

No.	Co-authors	Article title	Keywords	Vol., No., pp.	DOI	Citation
1	Laktionov, I.S., Vovna, O.V., Kabanets M.M., Sheina, H.O., Getman, I.A.	Information Model of the Computer-Integrated Technology for Wireless Monitoring of the State of Microclimate of Industrial Agricultural Greenhouses	uncertainty, transfer, aggregation, model, information, observation, measurement, greenhouse	20, 6, 289-300	https://doi.org/10.18280/izm.200601	Laktionov, I.S., Vovna, O.V., Kabanets M.M., Sheina, H.O., Getman, I.A. (2021). Information model of the computer-integrated technology for wireless monitoring of the state of microclimate of industrial agricultural greenhouses. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 6, pp. 289-300. https://doi.org/10.18280/izm.200601
2	Natarajan, V.P., Thandapani, K.	Adaptive Time Difference of Time of Arrival in Wireless Sensor Network Routing for Enhancing Quality of Service	underwater wireless sensor networks, energy efficiency, convex depth variance routing, network lifetime, adaptive time difference	20, 6, 301-307	https://doi.org/10.18280/izm.200602	Natarajan, V.P., Thandapani, K. (2021). Adaptive time difference of time of arrival in wireless sensor network routing for enhancing quality of service. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 6, pp. 301-307. https://doi.org/10.18280/izm.200602
3	Hamoodi, A.N., Abdullah, F.S., Hameed, F.I., Salih, B.M.	Shading Effect on Flow Rate of Solar DC Water Pump	partial shading, PV system, pump performance, solar water	20, 6, 309-314	https://doi.org/10.18280/izm.200603	Hamoodi, A.N., Abdullah, F.S., Hameed, F.I., Salih, B.M. (2021). Shading effect on flow rate of solar DC water pump. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 6, pp. 309-314. https://doi.org/10.18280/izm.200603
4	Selmoune, B., Hamimid, M.	Anhysteretic Magnetization Effect on the Centered and Non-Centered Minor Hysteresis Loops in Jiles-Atherton Model	anhysteretic magnetization, non-centered minor loops, centered minor loops, Jiles-Atherton hysteresis model, identification	20, 6, 315-319	https://doi.org/10.18280/izm.200604	Selmoune, B., Hamimid, M. (2021). Anhysteretic magnetization effect on the centered and non-centered minor hysteresis loops in Jiles-Atherton model. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 6, pp. 315-319. https://doi.org/10.18280/izm.200604
5	Therese, L.M., Jayanthi, T.	Bandwidth Enhancement of Circular Ring Patch by Loading Single Split Complementary Split Ring Resonator	annular ring printed antenna, bandwidth, complementary split ring resonator, dual band, efficiency, non-uniform width, single split	20, 6, 321-325	https://doi.org/10.18280/izm.200605	Therese, L.M., Jayanthi, T. (2021). Bandwidth enhancement of circular ring patch by loading single split complementary split ring resonator. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 6, pp. 321-325. https://doi.org/10.18280/izm.200605
6	Jones, T.N., Christian, G.N.E.R., Felix, P.	Wireless Sensors Network for Monitoring Linear Infrastructures Using MQTT Protocol on Raspberry Pi With nRF2401 and Node-Red	MQTT, nRF2401, raspberry Pi, wireless sensors network, Twitter	20, 5, 247-254	https://doi.org/10.18280/izm.200501	Jones, T.N., Christian, G.N.E.R., Felix, P. (2021). Wireless sensors network for monitoring linear infrastructures using MQTT protocol on raspberry Pi with nRF2401 and node-red. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 5, pp. 247-254. https://doi.org/10.18280/izm.200501
7	Charmart, K., Narongwongwattana, S., Ritiron, R., Sa-Ngiambvool, W.	Evaluation of Chemical Quality on Juices and Wine Produced from Mamao Fruit (Antidesma Punctulatum Miq.) Within Near-Infrared Spectroscopy	chemical quality, Mao juices, Mao wine, near-infrared spectroscopy	20, 5, 255-260	https://doi.org/10.18280/izm.200502	Charmart, K., Narongwongwattana, S., Ritiron, R., Sa-Ngiambvool, W. (2021). Evaluation of chemical quality on juices and wine produced from Mamao fruit (Antidesma punctulatum Miq.) within near-infrared spectroscopy. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 5, pp. 255-260. https://doi.org/10.18280/izm.200502
8	Mahapatra, S., Mohanty, M.N.	An Optimized Feed Hexagonal Antenna with Defective Ground Plane for UWB Body Area Network Application	evolutionary algorithm, hexagonal microstrip antenna, inset-fed, low SAR, multi-band antenna, wearable antenna	20, 5, 261-267	https://doi.org/10.18280/izm.200503	Mahapatra, S., Mohanty, M.N. (2021). An optimized feed hexagonal antenna with defective ground plane for UWB body area network application. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 5, pp. 261-267. https://doi.org/10.18280/izm.200503
9	Meriama, F., Said, B., Akil, L., Ahmed, M., Houcine, M., Abdelkrim, D., Cherif, T., Amine, L.A., Belkacem, D.	Experimental Determination and Modeling of the Moisture-Sorption Isotherms and Isotheric Heat of Tobacco Leaves	sorption isotherm, solar drying, gravimetric method, isotheric heats, nicotiana tabacum L., GAB and PELLE models	20, 5, 269-277	https://doi.org/10.18280/izm.200504	Meriama, F., Said, B., Akil, L., Ahmed, M., Houcine, M., Abdelkrim, D., Cherif, T., Amine, L.A., Belkacem, D. (2021). Experimental determination and modeling of the moisture-sorption isotherms and isotheric heat of tobacco leaves. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 5, pp. 269-277. https://doi.org/10.18280/izm.200504
10	Pallavi, C.H., Sreenivasulu, G.	A High Speed Underwater Wireless Communication Through a Novel Hybrid Opto-Acoustic Modem Using MIMO-OFDM	bit-error rate (BER), inter symbol interference (ISI), multiple-input multiple-output (MIMO), orthogonal frequency-division multiplexing (OFDM), and opto-acoustic modem	20, 5, 279-287	https://doi.org/10.18280/izm.200505	Pallavi, C.H., Sreenivasulu, G. (2021). A high speed underwater wireless communication through a novel hybrid opto-acoustic modem using MIMO-OFDM. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 5, pp. 279-287. https://doi.org/10.18280/izm.200505
11	Oyelami, F.H., Ige, E.O., Saka-Balogun, O.Y., Adeyemo, O.A.	Study of Heat and Mass Transfer to Magnetohydrodynamic (MHD) Pulsatile Couple Stress Fluid Between Two Parallel Porous Plates	heat and mass transfer, couple stress, MHD, pulsatile, spectral relaxation method	20, 4, 179-185	https://doi.org/10.18280/izm.200401	Oyelami, F.H., Ige, E.O., Saka-Balogun, O.Y., Adeyemo, O.A. (2021). Study of heat and mass transfer to magnetohydrodynamic (MHD) pulsatile couple stress fluid between two parallel porous plates. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 4, pp. 179-185. https://doi.org/10.18280/izm.200401
12	Jallal, M.A., El Yassini, A., Chabaa, S., Zeroual, A., Ibnayaich, S.	Multi-Target Learning Algorithm for Solar Radiation Components Forecasting Based on the Desired Tilt Angle of a Solar Energy System	multi-outputs, tilt angle, global solar radiation, direct solar radiation, diffuse solar radiation, Elman neural network, prediction	20, 4, 187-193	https://doi.org/10.18280/izm.200402	Jallal, M.A., El Yassini, A., Chabaa, S., Zeroual, A., Ibnayaich, S. (2021). Multi-target learning algorithm for solar radiation components forecasting based on the desired tilt angle of a solar energy system. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 4, pp. 187-193. https://doi.org/10.18280/izm.200402
13	Anggraini, Y., Silalahi, A.O., Sutjahja, I.M., Kurnia, D., Viridi, S., Wonoraharjo, S.	Temperature-Dependent Thermal Conductivity Measurement System for Various Heat Transfer Fluids	thermal conductivity, transient hot-wire, fatty acid, coconut oil, heat transfer fluid	20, 4, 195-202	https://doi.org/10.18280/izm.200403	Anggraini, Y., Silalahi, A.O., Sutjahja, I.M., Kurnia, D., Viridi, S., Wonoraharjo, S. (2021). Temperature-dependent thermal conductivity measurement system for various heat transfer fluids. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 4, pp. 195-202. https://doi.org/10.18280/izm.200403
14	Manjunath, A.G., Vrtagić, S., Dogan, F., Dordevic, M., Zarkovic, M., Kevric, J., Dobric, G.	Machine Learning MOSA Monitoring System	metal-oxide surge arrester (MOSA), Fourier transform, machine learning, regression, simulated system	20, 4, 203-208	https://doi.org/10.18280/izm.200404	Manjunath, A.G., Vrtagić, S., Dogan, F., Dordevic, M., Zarkovic, M., Kevric, J., Dobric, G. (2021). Machine learning MOSA monitoring system. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 4, pp. 203-208. https://doi.org/10.18280/izm.200404
15	Bojja, P., Prasanna, N.M., Kumari, P.R., Bhuvanendhiran, T., Kumar, P.J.	Development of Conventional Controller Based on Image Processing for Monitoring and Controlling Burning Zone Temperature in a Cement Plant in Rotary Kiln Process Through IOT	burning zone, flame image, temperature, PID controller, pixel or shading	20, 4, 209-214	https://doi.org/10.18280/izm.200405	Bojja, P., Prasanna, N.M., Kumari, P.R., Bhuvanendhiran, T., Kumar, P.J. (2021). Development of conventional controller based on image processing for monitoring and controlling burning zone temperature in a cement plant in rotary kiln process through IOT. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 4, pp. 209-214. https://doi.org/10.18280/izm.200405
16	Chatton, E., Labasque, T., Guillou, A., Flourey, P., Aquilina, L., Vergnaud, V.	Innovative Instrument for the Field Continuous Monitoring of Dissolved Gases in Environmental Studies	dissolved gases, noble gases, reactive gases, field measurements, continuous monitoring, critical zone	20, 4, 215-221	https://doi.org/10.18280/izm.200406	Chatton, E., Labasque, T., Guillou, A., Flourey, P., Aquilina, L., Vergnaud, V. (2021). Innovative instrument for the field continuous monitoring of dissolved gases in environmental studies. <i>International Journal of Heat and Technology</i> , Vol. 20, No. 4, pp. 215-221. https://doi.org/10.18280/izm.200406
17	Gervais, J., Breil, P., Poly, F., Namour, P.	Sniffer: A Device for Sampling Gases from River Sediments SNIFFER : Un Dispositif de Prélèvement des Gaz Emis par les Sédiments Fluviaux	sediment, river, gas, greenhouse effect, measurement	20, 4, 223-233	https://doi.org/10.18280/izm.200407	Gervais, J., Breil, P., Poly, F., Namour, P. (2021). Sniffer: A device for sampling gases from river sediments. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 4, pp. 223-233. https://doi.org/10.18280/izm.200407

18	Roveretto, M., Namour, P., Raffin, G.	Development of Sampling and Analysis Methods to Identify and Quantify Gas Emissions in the Sewerage Network Développement de Méthodes d'Échantillonnage et d'Analyse Pour Identifier et Quantifier les Émissions de Gaz en Réseau d'Assainissement	gas emissions, volatile organic compounds (VOC), sewerage network, sampling, canister, Tedlar® air bag, thermal desorption-Gas chromatography -Mass spectrometry (TD-GC-MS)	20, 4, 235-246	https://doi.org/10.18280/i2m.200408	Roveretto, M., Namour, P., Raffin, G. (2021). Development of sampling and analysis methods to identify and quantify gas emissions in the sewerage network. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 4, pp. 235-246. https://doi.org/10.18280/i2m.200408
19	Majid, A.	The Evaluation of Wind Energy Based on the Inherent Nature of Wind Speed Assessment at Fujairah (UAE)	energy probability, Fourier decomposition, power spectrum, wavelet coefficients, Weibull distribution constants	20, 3, 121-130	https://doi.org/10.18280/i2m.200301	Majid, A. (2021). The evaluation of wind energy based on the inherent nature of wind speed assessment at Fujairah (UAE). <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 3, pp. 121-130. https://doi.org/10.18280/i2m.200301
20	Sayad, B., Alkama, D., Rebhi, R., Kidar, A., Lorenzini, G., Ahmad, H., Menni, Y.	Enhanced Outdoor Thermal Comfort Through Natural Design Technique: In-Situ Measurement and Microclimate Simulation	thermal outdoor comfort, Vegetation, water bodies, natural design strategy, hot summer, numerical simulation, in-situ measurement	20, 3, 131-136	https://doi.org/10.18280/i2m.200302	Sayad, B., Alkama, D., Rebhi, R., Kidar, A., Lorenzini, G., Ahmad, H., Menni, Y. (2021). Enhanced outdoor thermal comfort through natural design technique: In-situ measurement and microclimate simulation. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 3, pp. 131-136. https://doi.org/10.18280/i2m.200302
21	Kabache, M., Guerti, M.	Multi Parametric Method for the Objective Acoustic Evaluation of the Voice Produced by Laryngectomy Patients	pathological voice, objective instrumental approaches, Algerian clinical environment, acoustic characteristics of the voice, total laryngectomy	20, 3, 137-142	https://doi.org/10.18280/i2m.200303	Kabache, M., Guerti, M. (2021). Multi parametric method for the objective acoustic evaluation of the voice produced by laryngectomy patients. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 3, pp. 137-142. https://doi.org/10.18280/i2m.200303
22	Mandal, H., Mondal, U., Bera, S.C.	Study of a Modified Obstruction Free Pressure Sensor Based Flow Transducer Using Hall Sensors	noncontact flow transducer, Bernoulli's equation, static pressure, hall sensor, bourdon tube, disk type permanent magnet	20, 3, 143-151	https://doi.org/10.18280/i2m.200304	Mandal, H., Mondal, U., Bera, S.C. (2021). Study of a modified obstruction free pressure sensor based flow transducer using hall sensors. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 3, pp. 143-151. https://doi.org/10.18280/i2m.200304
23	Sunanda, W., Tiandho, Y., Gusa, R.F., Darussalam, M., Novitasari, D.	Monitoring of Photovoltaic Performance as an Alternative Energy Source in Campus Buildings	renewable energy, solar power plant, monitoring system, environmental parameters, voltage, current	20, 3, 153-159	https://doi.org/10.18280/i2m.200305	Sunanda, W., Tiandho, Y., Gusa, R.F., Darussalam, M., Novitasari, D. (2021). Monitoring of photovoltaic performance as an alternative energy source in campus buildings. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 3, pp. 153-159. https://doi.org/10.18280/i2m.200305
24	Mesmoudi, A., Mesmoudi, S., Houari Z., Mostefa, K.	A Novel Static Cluster-Based Hierarchical Protocol for Wireless Sensor Networks	cluster head node, energy-efficient, hierarchical clustering, LEACH, SCHP wireless sensor network	20, 3, 161-166	https://doi.org/10.18280/i2m.200306	Mesmoudi, A., Mesmoudi, S., Houari Z., Mostefa, K. (2021). A novel static cluster-based hierarchical protocol for wireless sensor networks. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 3, pp. 161-166. https://doi.org/10.18280/i2m.200306
25	Gunawan, A.A.N., Sulaiman, A., Kusumanegara, A.A.N.F., Ramadan, M., Ramadan, M.	FTIR Measurement of Human Energy Fields (Evidence of the Existence of Human Inner Power)	FTIR, human energy fields, human inner power	20, 3, 167-171	https://doi.org/10.18280/i2m.200307	Gunawan, A.A.N., Sulaiman, A., Kusumanegara, A.A.N.F., Ramadan, M., Ramadan, M. (2021). FTIR measurement of human energy fields (evidence of the existence of human inner power). <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 3, pp. 167-171. https://doi.org/10.18280/i2m.200307
26	Mohammed, O., Mathloom, A.R., Shaneef, A.A.	Experimental Investigation to Determine the Concentration of Radon in Cosmetics Using a Nuclear Track Detector (CR-39)	radon concentration, cosmetic, radiation, exposure, annual equivalent dose	20, 3, 173-177	https://doi.org/10.18280/i2m.200308	Mohammed, O., Mathloom, A.R., Shaneef, A.A. (2021). Experimental investigation to determine the concentration of radon in cosmetics using a nuclear track detector (CR-39). <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 3, pp. 173-177. https://doi.org/10.18280/i2m.200308
27	Aouf, A., Bouchala, T., Abdou, A., Abdelhadi, B.	Eddy Current Probe Configuration for Full Rail Top Surface Inspection	eddy current, nondestructive testing, rail, multidifferential probes	20, 2, 65-72	https://doi.org/10.18280/i2m.200201	Aouf, A., Bouchala, T., Abdou, A., Abdelhadi, B. (2021). Eddy current probe configuration for full rail top surface inspection. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 2, pp. 65-72. https://doi.org/10.18280/i2m.200201
28	Kim, S.	Generation of Stereo Images from the Heterogeneous Cameras	heterogeneous camera, stereo images, mobile devices, calibration	20, 2, 73-78	https://doi.org/10.18280/i2m.200202	Kim, S. (2021). Generation of stereo images from the heterogeneous cameras. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 2, pp. 73-78. https://doi.org/10.18280/i2m.200202
29	Thippeswamy, V.S., Shivakumaraswamy, P.M., Chickaramanna, S.G., Iyengar, V.M., Das, A.P., Sharma, A.	Prototype Development of Continuous Remote Monitoring of ICU Patients at Home	vital signs, ICU, internet of things, real-time monitoring, SpO2, heart rate, ECG	20, 2, 79-84	https://doi.org/10.18280/i2m.200203	Thippeswamy, V.S., Shivakumaraswamy, P.M., Chickaramanna, S.G., Iyengar, V.M., Das, A.P., Sharma, A. (2021). Prototype development of continuous remote monitoring of ICU patients at home. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 2, pp. 79-84. https://doi.org/10.18280/i2m.200203
30	Sutisna, S.P., Setiawan, R.P.A., Subrata, I.D.M., Mandang, T.	Tracking Control of an Autonomous Head Feeding Combine	autonomous guidance system, combine harvester, navigation sensors	20, 2, 85-90	https://doi.org/10.18280/i2m.200204	Sutisna, S.P., Setiawan, R.P.A., Subrata, I.D.M., Mandang, T. (2021). Tracking control of an autonomous head feeding combine. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 2, pp. 85-90. https://doi.org/10.18280/i2m.200204
31	Wen, D.P., Liang, X.Y., Su, M.G., Wu, M., Chen, R.L., Zhang, T.C.	Error Correction of Weak Current Measurement System Based on Wavelet Denoising and Generalized Regression Neural Network	BPNN, GRNN, measurement error, weak current, wavelet denoising	20, 2, 91-99	https://doi.org/10.18280/i2m.200205	Wen, D.P., Liang, X.Y., Su, M.G., Wu, M., Chen, R.L., Zhang, T.C. (2021). Error correction of weak current measurement system based on wavelet denoising and generalized regression neural network. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 2, pp. 91-99. https://doi.org/10.18280/i2m.200205
32	Benali, A., Abderrahmane, B., Djemoui, L., Redjem, H.	CFD Analysis and NOx Prediction in H2 and CH4 Turbulent Non-premixed Flame Compared with Swirling Flame	combustion, flame, hydrogen, NOx, turbulence, simulation and swirl	20, 2, 101-106	https://doi.org/10.18280/i2m.200206	Benali, A., Abderrahmane, B., Djemoui, L., Redjem, H. (2021). CFD analysis and NOx prediction in H2 and CH4 turbulent non-premixed flame compared with swirling flame. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 2, pp. 101-106. https://doi.org/10.18280/i2m.200206
33	Satrualya, S., Mohanty, M.N.	Design of Antenna Array for Ku-Band Wireless Application	array antenna, patch, Ku band, bandwidth, parasitic patch	20, 2, 107-112	https://doi.org/10.18280/i2m.200207	Satrualya, S., Mohanty, M.N. (2021). Design of antenna array for Ku-band wireless application. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 2, pp. 107-112. https://doi.org/10.18280/i2m.200207
34	Ferkous, K., Chellali, F., Kouzou, A., Bekkar, B.	Wavelet-Gaussian Process Regression Model for Regression Daily Solar Radiation in Ghardaia, Algeria	wavelet, Gaussian process, regression, daily solar radiation, Ghardaia site	20, 2, 113-119	https://doi.org/10.18280/i2m.200208	Ferkous, K., Chellali, F., Kouzou, A., Bekkar, B. (2021). Wavelet-Gaussian process regression model for regression daily solar radiation in Ghardaia, Algeria. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 2, pp. 113-119. https://doi.org/10.18280/i2m.200208

35	Khezzer, D., Khedrouche, D., Denidni, T.A.	60 GHz Broadband LTCC Antenna for 5G Mobile Communication Systems	LTCC, millimeter waves, microstrip antenna, 5G	20, 1, 1-5	https://doi.org/10.18280/i2m.200101	Khezzer, D., Khedrouche, D., Denidni, T.A. (2021). 60 GHz broadband LTCC antenna for 5G mobile communication systems. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 1, pp. 1-5. https://doi.org/10.18280/i2m.200101
36	Thilakarathna, T.S., Edirisinghe, M.	Novel Handheld Device to Measure the Nasal Expiratory Flow Rate of the Two Nasal Cavities Individually and Simultaneously	medical device, nasal airflow detection, exhaled airflow rate, breathing style, embedded system	20, 1, 7-14	https://doi.org/10.18280/i2m.200102	Thilakarathna, T.S., Edirisinghe, M. (2021). Novel handheld device to measure the nasal expiratory flow rate of the two nasal cavities individually and simultaneously. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 1, pp. 7-14. https://doi.org/10.18280/i2m.200102
37	Alqudah, A.M., Alqudah, A.	Morphological Based Method for Automated Extraction and Classification of ECG ST-T Wave	ECG, automated detection, ST-T wave, SVM, K-mean, classification	20, 1, 15-22	https://doi.org/10.18280/i2m.200103	Alqudah, A.M., Alqudah, A. (2021). Morphological based method for automated extraction and classification of ECG ST-T wave. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 1, pp. 15-22. https://doi.org/10.18280/i2m.200103
38	Hammouche, A., Hamimid, M., Kansab, A., Belmadani, B.	Integration of Energetic Model for Ferromagnetic Hysteresis in Finite Volume Method for Electromagnetic Field Calculation	eddy current, energetic model, excess losses, ferromagnetic materials, hysteresis magnetic, magnetization, numerical electromagnetic computation	20, 1, 23-27	https://doi.org/10.18280/i2m.200104	Hammouche, A., Hamimid, M., Kansab, A., Belmadani, B. (2021). Integration of energetic model for ferromagnetic hysteresis in finite volume method for electromagnetic field calculation. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 1, pp. 23-27. https://doi.org/10.18280/i2m.200104
39	Sahour, A., Boumehez, F., Benouaret, M., Mokhneche, A.	Greenhouse Climate Controller by Using of Internet of Things Technology and Fuzzy Logic	ARDUINO uno, fuzzy logic, internet of things, WIFI, wireless sensor network, Zigbee	20, 1, 29-38	https://doi.org/10.18280/i2m.200105	Sahour, A., Boumehez, F., Benouaret, M., Mokhneche, A. (2021). Greenhouse climate controller by using of internet of things technology and fuzzy logic. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 1, pp. 29-38. https://doi.org/10.18280/i2m.200105
40	Kanupuru, P., Nadig Vijayendra Reddy, U.R.	Multi Node Based Smart Monitoring System with Motor Dry Run Avoidance for Sustainable Agriculture	agricultural internet of things, intelligent monitoring, wireless monitoring sensor nodes	20, 1, 39-47	https://doi.org/10.18280/i2m.200106	Kanupuru, P., Nadig Vijayendra Reddy, U.R. (2021). Multi node based smart monitoring system with motor dry run avoidance for sustainable agriculture. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 1, pp. 39-47. https://doi.org/10.18280/i2m.200106
41	Albouchi, F., Abdelmajid, J.	Photothermal Investigations of Conductive and Optical Properties of Liquids in the Near Infrared	liquids, optical parameters, parameter estimation, photothermal method	20, 1, 49-56	https://doi.org/10.18280/i2m.200107	Albouchi, F., Abdelmajid, J. (2021). Photothermal investigations of conductive and optical properties of liquids in the near infrared. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 1, pp. 49-56. https://doi.org/10.18280/i2m.200107
42	Bouakkaz, F., Ali, W., Derdour, M.	Forest Fire Detection Using Wireless Multimedia Sensor Networks and Image Compression	forest fire detection, images compression, wireless multimedia sensor network, Down-sampling, grid chain protocol	20, 1, 57-63	https://doi.org/10.18280/i2m.200108	Bouakkaz, F., Ali, W., Derdour, M. (2021). Forest fire detection using wireless multimedia sensor networks and image compression. <i>Instrumentation Mesure Métrologie</i> , Vol. 20, No. 1, pp. 57-63. https://doi.org/10.18280/i2m.200108
43	Shi, Y.X., Jiang, P., Wang, F.J., Zhou, S.X.	Optimization design of online mixing apparatus and mixing performance experiment for crop protection equipment	online mixing system, mixer, numerical simulation, spectrophotometry, variation coefficient	19, 6, 405-412	https://doi.org/10.18280/i2m.190601	Shi, Y.X., Jiang, P., Wang, F.J., Zhou, S.X. (2020). Optimization design of online mixing apparatus and mixing performance experiment for crop protection equipment. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 6, pp. 405-412. https://doi.org/10.18280/i2m.190601
44	Szymiczek, J.	Air density measuring device - innovative design, calibration and exemplary results	air density measurement, saturated salt solutions, humidity calibration, moist air density	19, 6, 413-419	https://doi.org/10.18280/i2m.190602	Szymiczek, J. (2020). Air density measuring device - innovative design, calibration and exemplary results. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 6, pp. 413-419. https://doi.org/10.18280/i2m.190602
45	Moganam, P.K., Seelan, D.A.S.	Perceptron neural network based machine learning approaches for leather defect detection and classification	machine vision, leather defects, gray level co-occurrence matrix, texture analysis, perceptron neural network	19, 6, 421-429	https://doi.org/10.18280/i2m.190603	Moganam, P.K., Seelan, D.A.S. (2020). Perceptron neural network based machine learning approaches for leather defect detection and classification. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 6, pp. 421-429. https://doi.org/10.18280/i2m.190603
46	Ni, N.	Safety monitoring and evaluation of construction projects based on multi-sensor fusion	multi-sensor fusion, construction projects, safety monitoring	19, 6, 431-441	https://doi.org/10.18280/i2m.190604	Ni, N. (2020). Safety monitoring and evaluation of construction projects based on multi-sensor fusion. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 6, pp. 431-441. https://doi.org/10.18280/i2m.190604
47	Goeritno, A., Nugraha, I., Rasiman, S., Johan, A.	Injection current into the power transformer as an internal fault phenomena for measuring the differential relay performance	differential relay performance, injection current into the power transformer, internal fault phenomena	19, 6, 443-451	https://doi.org/10.18280/i2m.190605	Goeritno, A., Nugraha, I., Rasiman, S., Johan, A. (2020). Injection current into the power transformer as an internal fault phenomena for measuring the differential relay performance. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 6, pp. 443-451. https://doi.org/10.18280/i2m.190605
48	Abid, M.A., Mousa, A.	Satellite differential code bias estimated using EGYNET: A local Egyptian permanent network	satellite differential code bias, global positioning system, Global Navigation Satellite System	19, 6, 453-459	https://doi.org/10.18280/i2m.190606	Abid, M.A., Mousa, A. (2020). Satellite differential code bias estimated using EGYNET: A local Egyptian permanent network. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 6, pp. 453-459. https://doi.org/10.18280/i2m.190606
49	Bo, Q.Y., Cheng, W.Q., Sun, T.	Groundwater flow calculation model and neural network prediction based on groundwater modeling system	groundwater modeling system (GMS), groundwater flow prediction, BP neural network	19, 6, 461-470	https://doi.org/10.18280/i2m.190607	Bo, Q.Y., Cheng, W.Q., Sun, T. (2020). Groundwater flow calculation model and neural network prediction based on groundwater modeling system. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 6, pp. 461-470. https://doi.org/10.18280/i2m.190607
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51	Eltuhamy, R.A., Rady, M., Ibrahim, K.H., Mahmoud, H.A.	Novel features extraction for fault detection using thermography characteristics and IV measurements of CIGS thin-film module	PV, CIGS, fault classification, thermography, IV, fault detection, features extraction, mathematical parameters	19, 5, 311-325	https://doi.org/10.18280/i2m.190501	Eltuhamy, R.A., Rady, M., Ibrahim, K.H., Mahmoud, H.A. (2020). Novel features extraction for fault detection using thermography characteristics and IV measurements of CIGS thin-film module. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 5, pp. 311-325. https://doi.org/10.18280/i2m.190501

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53	Hu, J.L., Wang, P.Y., Zhang, J., Wang, M.L., Chen, Y.F., Zhao, C.C.	Measurement and characteristic analysis of turbulent flow near permeable spur dike	permeable spur dike, turbulence intensity, turbulence structure, turbulent kinetic energy, quadrant analysis	19, 5, 337-345	https://doi.org/10.18280/2m.190503	Hu, J.L., Wang, P.Y., Zhang, J., Wang, M.L., Chen, Y.F., Zhao, C.C. (2020). Measurement and characteristic analysis of turbulent flow near permeable spur dike. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 5, pp. 337-345. https://doi.org/10.18280/2m.190503
54	Belkacemi, B., Saad, S., Ghemari, Z., Zaamouche, F., Khazzane, A.	Detection of induction motor improper bearing lubrication by discrete wavelet transforms (DWT) decomposition	induction motor, fault diagnosis, lubrication defects, discrete wavelet transforms (DWT), MATLAB wavelets toolbox	19, 5, 347-354	https://doi.org/10.18280/2m.190504	Belkacemi, B., Saad, S., Ghemari, Z., Zaamouche, F., Khazzane, A. (2020). Detection of induction motor improper bearing lubrication by discrete wavelet transforms (DWT) decomposition. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 5, pp. 347-354. https://doi.org/10.18280/2m.190504
55	Li, T.	Design of an automatic detector for gas desorption of coal samples	gas desorption, multi-sensor detection, ambient pressure, big data storage	19, 5, 355-361	https://doi.org/10.18280/2m.190505	Li, T. (2020). Design of an automatic detector for gas desorption of coal samples. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 5, pp. 355-361. https://doi.org/10.18280/2m.190505
56	Srivastava, A.K., Dubey, A., Kumar, M., Dwivedi, S.P., Singh, R.K., Kumar, S.	Measurement of form errors and comparative cost analysis for the component developed by metal printing (DMLS) and stir casting	3D metal printing, Direct Metal Laser Sintering (DMLS), stir casting, dimensional accuracy, surface roughness	19, 5, 363-369	https://doi.org/10.18280/2m.190506	Srivastava, A.K., Dubey, A., Kumar, M., Dwivedi, S.P., Singh, R.K., Kumar, S. (2020). Measurement of form errors and comparative cost analysis for the component developed by metal printing (DMLS) and stir casting. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 5, pp. 363-369. https://doi.org/10.18280/2m.190506
57	Ghodbane, M., Benmenine, D., Khechekhouche, A., Boumeddane, B.	Brief on solar concentrators: Differences and applications	renewable energy, solar energy, point solar concentrators, linear solar concentrators	19, 5, 371-378	https://doi.org/10.18280/2m.190507	Ghodbane, M., Benmenine, D., Khechekhouche, A., Boumeddane, B. (2020). Brief on solar concentrators: Differences and applications. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 5, pp. 371-378. https://doi.org/10.18280/2m.190507
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60	Uppalapati, S.	Energy-efficient heterogeneous optimization routing protocol for wireless sensor network	wireless sensor networks, distance, scheduling, routing protocol, E-BEENISH, EE-TDMA-PSOUFC	19, 5, 391-397	https://doi.org/10.18280/2m.190510	Uppalapati, S. (2020). Energy-efficient heterogeneous optimization routing protocol for wireless sensor network. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 5, pp. 391-397. https://doi.org/10.18280/2m.190510
61	Yang, J.	Measurement and feature analysis of plantar pressure center in athletes under different exercise modes	plantar pressure center (PPC), gait analysis, trajectory, training, exercise mode	19, 5, 399-403	https://doi.org/10.18280/2m.190511	Yang, J. (2020). Measurement and feature analysis of plantar pressure center in athletes under different exercise modes. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 5, pp. 399-403. https://doi.org/10.18280/2m.190511
62	Laktionov, I.S., Vovna, O.V., Kabanets, M.M., Getman, I.A., Zolotarova, O.V.	Computer-integrated device for acidity measurement monitoring in greenhouse conditions with compensation of destabilizing factors	meter, uncertainty, Arduino, cloud computing, growing, median filtration	19, 4, 243-253	https://doi.org/10.18280/2m.190401	Laktionov, I.S., Vovna, O.V., Kabanets, M.M., Getman, I.A., Zolotarova, O.V. (2020). Computer-integrated device for acidity measurement monitoring in greenhouse conditions with compensation of destabilizing factors. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 4, pp. 243-253. https://doi.org/10.18280/2m.190401
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65	Yuan, R.L.	Positioning of wireless sensor network under emergency communication environment	wireless sensor, emergency communication, multi-hop positioning, Kalman filter, distributed computing	19, 4, 273-279	https://doi.org/10.18280/2m.190404	Yuan, R.L. (2020). Positioning of wireless sensor network under emergency communication environment. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 4, pp. 273-279. https://doi.org/10.18280/2m.190404
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67	Alam, M.S., Muthiah, A., Salve, U.R.	Thermal comfort study in Indian railway pantry cars kitchen	thermal comfort, comfort temperature, comfort range, air temperature, clothing insulation, India, rail	19, 4, 289-295	https://doi.org/10.18280/2m.190406	Alam, M.S., Muthiah, A., Salve, U.R. (2020). Thermal comfort study in Indian railway pantry cars kitchen. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 4, pp. 289-295. https://doi.org/10.18280/2m.190406
68	Ghosh, P.K., Chatterjee, S., Tahabilder, A.	Graph-theory based optimal PMU allocation considering ZIB effects	Phasor Measurement Unit (PMU), Optimal PMU placement, Zero Injection Bus (ZIB), System observability	19, 4, 297-300	https://doi.org/10.18280/2m.190407	Ghosh, P.K., Chatterjee, S., Tahabilder, A. (2020). Graph-theory based optimal PMU allocation considering ZIB effects. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 4, pp. 297-300. https://doi.org/10.18280/2m.190407

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70	Mariam, H., Poulchet, P., Takhedmit, H., Richalot, E., François, O.	Dielectric property characterization of liquid media using an open-ended probe within a microfluidic chip	open-ended probe, microfluidic, dielectric spectroscopy, Debye model, parameter extraction	19, 3, 169-177	https://doi.org/10.18280/i2m.190301	Mariam, H., Poulchet, P., Takhedmit, H., Richalot, E., François, O. (2020). Dielectric property characterization of liquid media using an open-ended probe within a microfluidic chip. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 3, pp. 169-177. https://doi.org/10.18280/i2m.190301
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72	Ligot, D., Marguet, C., Favre, B., Messaoudi, B., Gervasoni, D., Llaudon, P.	Noninvasive instrumentation for respiratory activity recording in freely moving rats placed a large experimental space	instrumentation, rat, respiration monitoring, non-invasive sensor, EPIC sensor	19, 3, 185-195	https://doi.org/10.18280/i2m.190303	Ligot, D., Marguet, C., Favre, B., Messaoudi, B., Gervasoni, D., Llaudon, P. (2020). Noninvasive instrumentation for respiratory activity recording in freely moving rats placed a large experimental space. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 3, pp. 185-195. https://doi.org/10.18280/i2m.190303
73	Perrin, J.C., Leclerc, S., Ferrari, M., Moyne, C., Stemmelen, D.	Magnetic resonance imaging measurements in engineering science	diffusion, magnetic resonance imaging, MRI, NMR, nuclear magnetic resonance, porous media, rheology, transport phenomena	19, 3, 197-204	https://doi.org/10.18280/i2m.190304	Perrin, J.C., Leclerc, S., Ferrari, M., Moyne, C., Stemmelen, D. (2020). Magnetic resonance imaging measurements in engineering science. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 3, pp. 197-204. https://doi.org/10.18280/i2m.190304
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80	El Yassini, A., Ali Jallal, M., Ibnayach, S., Zeroual, A., Chabaa, S.	A miniaturized wide-band antenna based on the epsilon negative transmission line for wireless communication devices	patch antenna, wide-band, WLAN/WiMAX applications, multi-band wireless communication metamaterials	19, 2, 83-90	https://doi.org/10.18280/i2m.190202	El Yassini, A., Ali Jallal, M., Ibnayach, S., Zeroual, A., Chabaa, S. (2020). A miniaturized wide-band antenna based on the epsilon negative transmission line for wireless communication devices. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 2, pp. 83-90. https://doi.org/10.18280/i2m.190202
81	Shi, Y.G., Wang, H.J., Yang, T., Liu, L., Cui, Y.J.	Integrated navigation by a greenhouse robot based on an odometer/lidar	greenhouse robot, simultaneous localization and mapping (SLAM), odometer, lidar, working path cruising	19, 2, 91-101	https://doi.org/10.18280/i2m.190203	Shi, Y.G., Wang, H.J., Yang, T., Liu, L., Cui, Y.J. (2020). Integrated navigation by a greenhouse robot based on an odometer/lidar. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 2, pp. 91-101. https://doi.org/10.18280/i2m.190203
82	Adegoké, O.M., Oluwafemi, I.B., Akinsanmi, O.	A time domain noise measurement and analysis for broadband indoor power line communications	background noise, electromagnetic interference, impulsive noise, power line network	19, 2, 103-110	https://doi.org/10.18280/i2m.190204	Adegoké, O.M., Oluwafemi, I.B., Akinsanmi, O. (2020). A time domain noise measurement and analysis for broadband indoor power line communications. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 2, pp. 103-110. https://doi.org/10.18280/i2m.190204
83	Syed, M., Dubey, M.K.	Enhancing reliability by detection of software fault in wireless sensor network using distributed approach	wireless sensor networks, sensor nodes component, reliability, Mann-Whitney U Test, software faults	19, 2, 111-117	https://doi.org/10.18280/i2m.190205	Syed, M., Dubey, M.K. (2020). Enhancing reliability by detection of software fault in wireless sensor network using distributed approach. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 2, pp. 111-117. https://doi.org/10.18280/i2m.190205
84	Chabane, F., Arif, A., Benramache, S.	The estimate of aerosol optical depth for diverse meteorological conditions	aerosol optical depth, wave, climate, prediction, temperature	19, 2, 119-123	https://doi.org/10.18280/i2m.190206	Chabane, F., Arif, A., Benramache, S. (2020). The estimate of aerosol optical depth for diverse meteorological conditions. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 2, pp. 119-123. https://doi.org/10.18280/i2m.190206
85	Zhang, F., Fu, G.C.	Evaluation of compaction quality of earth-rock composite foundation through measurement by additional mass method	additional mass method, technical parameters, earth-rock composite foundation, model test, engineering application	19, 2, 125-131	https://doi.org/10.18280/i2m.190207	Zhang, F., Fu, G.C. (2020). Evaluation of compaction quality of earth-rock composite foundation through measurement by additional mass method. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 2, pp. 125-131. https://doi.org/10.18280/i2m.190207

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88	Chellappan, K., Sathiascelan, D.A.	2D dynamic spindle radial error motion analysis using Fourier series in polar domain	spindle, polar Fourier, radial error, calibration, image processing, canny edge, subpixel, least square	19, 2, 151-159	https://doi.org/10.18280/i2m.190210	Chellappan, K., Sathiascelan, D.A. (2020). 2D dynamic spindle radial error motion analysis using Fourier series in polar domain. <i>Instrumentation Measure Métrologie</i> , Vol. 19, No. 2, pp. 151-159. https://doi.org/10.18280/i2m.190210
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91	Kumar, S., Pahuja, R.	Eco-friendly power generator cum fitness analyzer	body temperature, body mass index, heart rate, dynamo, human exercisig power, fitness model, virtual instrument	19, 1, 9-18	https://doi.org/10.18280/i2m.190102	Kumar, S., Pahuja, R. (2020). Eco-friendly power generator cum fitness analyzer. <i>Instrumentation Measure Métrologie</i> , Vol. 19, No. 1, pp. 9-18. https://doi.org/10.18280/i2m.190102
92	Cao, Y.H., Lou, W.D., Lu, H.L.	One ultra-wideband lumped-element loaded antenna for radio instrument measurement	loaded antenna, resistively loaded, indoor antenna, ultra-wideband (UWB)	19, 1, 19-24	https://doi.org/10.18280/i2m.190103	Cao, Y.H., Lou, W.D., Lu, H.L. (2020). One ultra-wideband lumped-element loaded antenna for radio instrument measurement. <i>Instrumentation Measure Métrologie</i> , Vol. 19, No. 1, pp. 19-24. https://doi.org/10.18280/i2m.190103
93	Nasir, N., Raji, S., Al Ahmad, M.F.	Electrical characterization of calcium oxalate hydrate in urine	calcium oxalate powder, capacitance-voltage method, urinalysis, kidney stones	19, 1, 25-33	https://doi.org/10.18280/i2m.190104	Nasir, N., Raji, S., Al Ahmad, M.F. (2020). Electrical characterization of calcium oxalate hydrate in urine. <i>Instrumentation Measure Métrologie</i> , Vol. 19, No. 1, pp. 25-33. https://doi.org/10.18280/i2m.190104
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95	Cai, J.X., Wang, G., Wu, Y.X., Gao, Z.T., Qiu, Z.C.	Extrinsic optical fiber pressure sensor based on F-P cavity	in-situ stress monitoring, extrinsic optical-fiber pressure sensor based on F-P cavity, sensitive diaphragm, lightning strike	19, 1, 43-49	https://doi.org/10.18280/i2m.190106	Cai, J.X., Wang, G., Wu, Y.X., Gao, Z.T., Qiu, Z.C. (2019). Extrinsic optical fiber pressure sensor based on F-P cavity. <i>Instrumentation Measure Métrologie</i> , Vol. 19, No. 1, pp. 43-49. https://doi.org/10.18280/i2m.190106
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97	Bentoumi, A., Mezache, A., Oudira, H.	Parameter estimation of Rayleigh-generalized gamma mixture model	radar clutter, parameter estimation, compound-gaussian, generalized gamma, HOME, NIOME, [zlog(z)]	19, 1, 59-64	https://doi.org/10.18280/i2m.190108	Bentoumi, A., Mezache, A., Oudira, H. (2020). Parameter estimation of Rayleigh-generalized gamma mixture model. <i>Instrumentation Measure Métrologie</i> , Vol. 19, No. 1, pp. 59-64. https://doi.org/10.18280/i2m.190108
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102	Bakhti, H., Bentoumi, M., Harrag, A., El-Hadi, K.	Experimental validation of hybrid EMD-correlation acoustic digital leaks detector in water distribution network system	leak detection, water distribution network, spectral analysis, EMD, Cepstra, STM32F4	18, 6, 535-545	https://doi.org/10.18280/i2m.180604	Bakhti, H., Bentoumi, M., Harrag, A., El-Hadi, K. (2019). Experimental validation of hybrid EMD-correlation acoustic digital leaks detector in water distribution network system. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 6, pp. 535-545. https://doi.org/10.18280/i2m.180604

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104	Guellai, F., Labeled, A., Moumimi, N., Mahboub, C.	Measurement and analysis of thermal-hydraulic performance of curved and plate flat solar air heaters; A comparative study	solar collector, air heater, curved collector, efficiency, thermal-hydraulic	18, 6, 553-558	https://doi.org/10.18280/2m.180606	Guellai, F., Labeled, A., Moumimi, N., Mahboub, C. (2019). Measurement and analysis of thermal-hydraulic performance of curved and plate flat solar air heaters; a comparative study. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 6, pp. 553-558. https://doi.org/10.18280/2m.180606
105	Cholker, A.K., Kavayateja, B.V., Reddy, P.N.	Influence of carbon fibers on strain and damage sensing of self compacting concrete under external applied forces	electrical properties, self-compacting concrete, gauge factor, structural health monitoring, universal testing machine, resistivity	18, 6, 559-565	https://doi.org/10.18280/2m.180607	Cholker, A.K., Kavayateja, B.V., Reddy, P.N. (2019). Influence of carbon fibers on strain and damage sensing of self compacting concrete under external applied forces. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 6, pp. 559-565. https://doi.org/10.18280/2m.180607
106	Latroch, M., Ahmed, D., Abdelhafid, O.	A proposed use of Kalman gains behavior of navigation measurements for the sensor fault detection in quadcopter	Inertial Measurement Unit (INS), Kalman Filter, Fault Detection and Isolation (FDI), Unmanned Aerial Vehicles (UAV), GPS	18, 6, 567-575	https://doi.org/10.18280/2m.180608	Latroch, M., Ahmed, D., Abdelhafid, O. (2019). A proposed use of Kalman gains behavior of navigation measurements for the sensor fault detection in quadcopter. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 6, pp. 567-575. https://doi.org/10.18280/2m.180608
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108	Sundaraman, K.A., Seerkalan, V., Rangarajan, K.	Risk level of asthma and chronic obstructive pulmonary disease through design of an intelligent type-2 fuzzy expert system	Type-2 fuzzy logic, expert systems, asthma, chronic obstructive pulmonary disease, uncertainty, user interface	18, 6, 583-590	https://doi.org/10.18280/2m.180610	Sundaraman, K.A., Seerkalan, V., Rangarajan, K. (2019). Risk level of asthma and chronic obstructive pulmonary disease through design of an intelligent type-2 fuzzy expert system. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 6, pp. 583-590. https://doi.org/10.18280/2m.180610
109	Kou, Z.C., Fang, Y.J.	A semi-supervised sparse representation neural network for error estimation of electricity meters with insufficient tagged samples	Artificial Neural Network (ANN), machine learning, error estimation, electricity meters	18, 6, 591-594	https://doi.org/10.18280/2m.180611	Kou, Z.C., Fang, Y.J. (2019). A semi-supervised sparse representation neural network for error estimation of electricity meters with insufficient tagged samples. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 6, pp. 591-594. https://doi.org/10.18280/2m.180611
110	Abderrahmane, K., Mohammed, T., Houari, A., Abdeljalil, D.	Design and realization of an air solar heater and thermal measurement	drying of agro-food products, solar air collector, solar air heating, renewable energy in buildings, PV, thermal	18, 6, 595-602	https://doi.org/10.18280/2m.180612	Abderrahmane, K., Mohammed, T., Houari, A., Abdeljalil, D. (2019). Design and realization of an air solar heater and thermal measurement. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 6, pp. 595-602. https://doi.org/10.18280/2m.180612
111	Gao, C.J., Qiao, D., Zhang, X.F., Liu, S.Y., Zhou, Y.F.	Analysis of seepage influence on high slopes based on multi-dimensional measured data	high slope, in-situ probe test, close-range photogrammetry, numerical simulation, digital level meter, pore osmometer, rebar stress meter and anchor cable axial force meter	18, 6, 603-613	https://doi.org/10.18280/2m.180613	Gao, C.J., Qiao, D., Zhang, X.F., Liu, S.Y., Zhou, Y.F. (2019). Analysis of seepage influence on high slopes based on multi-dimensional measured data. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 6, pp. 603-613. https://doi.org/10.18280/2m.180613
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114	Khantach, A.E., Hamlich, M., Belbouanguia, N.	Real-time false data detection in smart grid based on fuzzy time series	false data detection, state estimation, fuzzy time series, smart grid	18, 5, 445-450	https://doi.org/10.18280/2m.180503	Khantach, A.E., Hamlich, M., Belbouanguia, N. (2019). Real-time false data detection in smart grid based on fuzzy time series. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 5, pp. 445-450. https://doi.org/10.18280/2m.180503
115	Abdou, A., Bouchala, T., Abdelhadi, B., Guettafi, A., Benoudjit, A.	Nondestructive eddy current measurement of coating thickness of aeronautical construction materials	eddy current sensor, coating thickness, inverse problem, coupled electric field method, metal sheet	18, 5, 451-457	https://doi.org/10.18280/2m.180504	Abdou, A., Bouchala, T., Abdelhadi, B., Guettafi, A., Benoudjit, A. (2019). Nondestructive eddy current measurement of coating thickness of aeronautical construction materials. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 5, pp. 451-457. https://doi.org/10.18280/2m.180504
116	Li, L., Zhao, C., Li, C.L., Qin, S.J.	End position detection of industrial robots based on laser tracker	industrial robots, identification accuracy, position detection, coordinate conversion, laser target	18, 5, 459-464	https://doi.org/10.18280/2m.180505	Li, L., Zhao, C., Li, C.L., Qin, S.J. (2019). End position detection of industrial robots based on laser tracker. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 5, pp. 459-464. https://doi.org/10.18280/2m.180505
117	Alam, M.S., Muthiah, A., Salve, U.R.	Thermal comfort of the kitchen in pantry cars on indian railways	thermal sensation, neutral temperature, Comfort Range, Predicted Mean Vote (PMV), Predicted Percentage Dissatisfied (PPD)	18, 5, 465-477	https://doi.org/10.18280/2m.180506	Alam, M.S., Muthiah, A., Salve, U.R. (2019). Thermal comfort of the kitchen in pantry cars on indian railways. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 5, pp. 465-477. https://doi.org/10.18280/2m.180506
118	Zhang, C.G., Zha, D.H., Zhou, S., Zhou, H.X., Jiang, H.D.	3D visualization of landslide based on close-range photogrammetry	landslide, 3D reconstruction, close-range photogrammetry, cloud data, Triangulated Irregular Network (TIN)	18, 5, 479-484	https://doi.org/10.18280/2m.180507	Zhang, C.G., Zha, D.H., Zhou, S., Zhou, H.X., Jiang, H.D. (2019). 3D visualization of landslide based on close-range photogrammetry. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 5, pp. 479-484. https://doi.org/10.18280/2m.180507
119	Abdou, A., Safer, O.A., Bouchala, T., Bendaikha, A., Abdelhadi, B., Guettafi, A., Benoudjit, A.	An eddy current nondestructive method for crack detection in multilayer riveted structures	eddy current, multilayer, nondestructive testing, finite element method, riveted structures, hidden cracks	18, 5, 485-490	https://doi.org/10.18280/2m.180508	Abdou, A., Safer, O.A., Bouchala, T., Bendaikha, A., Abdelhadi, B., Guettafi, A., Benoudjit, A. (2019). An eddy current nondestructive method for crack detection in multilayer riveted structures. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 5, pp. 485-490. https://doi.org/10.18280/2m.180508

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121	Yuan, H.B.	Development and application of a modular automobile wheel measuring instrument	portable, automobile wheel, runout measurement, harmonic analysis, LPC2294	18, 5, 497-502	https://doi.org/10.18280/2m.180510	Yuan, H.B. (2019). Development and application of a modular automobile wheel measuring instrument. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 5, pp. 497-502. https://doi.org/10.18280/2m.180510
122	Habib, R.S., Abdelhamid, B., Mohamed, B., Larbi, A.A.	Numerical simulation of reactive flow of two turbulence models based on probability density function	reactive flow, flamelet regime, turbulence, combustion, numerical simulation	18, 5, 503-508	https://doi.org/10.18280/2m.180511	Habib, R.S., Abdelhamid, B., Mohamed, B., Larbi, A.A. (2019). Numerical simulation of reactive flow of two turbulence models based on probability density function. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 5, pp. 503-508. https://doi.org/10.18280/2m.180511
123	Mutani, G., Todeschi, V., Matsuo, K.	Urban heat island mitigation: a GIS-based model for Hiroshima	Urban Heat Island (UHI), microclimate, linear regression models, urban environment, satellite images, GIS, urban morphology, NDVI albedo	18, 4, 323-335	https://doi.org/10.18280/2m.180401	Mutani, G., Todeschi, V., Matsuo, K. (2019). Urban heat island mitigation: A GIS-based model for Hiroshima. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 4, pp. 323-335. https://doi.org/10.18280/2m.180401
124	Belmecheri, H., Seghier, T., Belkheiri, M., Zegnini, B.	Insulating and thermal aging dielectric properties dependency of transformer oil using spectroscopy techniques	power transformer, mineral oil, dielectrics, aging, degradation, frequency domain	18, 4, 337-342	https://doi.org/10.18280/2m.180402	Belmecheri, H., Seghier, T., Belkheiri, M., Zegnini, B. (2019). Insulating and thermal aging dielectric properties dependency of transformer oil using spectroscopy techniques. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 4, pp. 337-342. https://doi.org/10.18280/2m.180402
125	Chen, S.R., Qu, X.Y., Qiu, L.W., Zhang, Y.C., Du, T.	A statistical method for lithic content based on core measurement, image analysis and microscopic statistics in sand-conglomerate reservoir	sand-conglomerate reservoir, gravel-level lithics, sand-level lithics, dongying depression, full-bore formation microimager (FMI), imaging logging	18, 4, 343-352	https://doi.org/10.18280/2m.180403	Chen, S.R., Qu, X.Y., Qiu, L.W., Zhang, Y.C., Du, T. (2019). A statistical method for lithic content based on core measurement, image analysis and microscopic statistics in sand-conglomerate reservoir. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 4, pp. 343-352. https://doi.org/10.18280/2m.180403
126	Maurya, N.K., Rastogi, V., Singh, P.	Comparative study and measurement of form errors for the component printed by FDM and polyjet process	rapid prototyping, dimensional accuracy, flatness analysis, IT grades, surface roughness, cylindricity analysis, analysis of roundness	18, 4, 353-359	https://doi.org/10.18280/2m.180404	Maurya, N.K., Rastogi, V., Singh, P. (2019). Comparative study and measurement of form errors for the component printed by FDM and polyjet process. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 4, pp. 353-359. https://doi.org/10.18280/2m.180404
127	Ye, Z.X., Zhang, Y., Zou, J.F., Zheng, Y.	Tunnel measurement of riblet drag reduction	tunnel measurement, riblet surface, turbulent boundary layer, Hot-Wire Anemometer (HWA), Drag Reduction	18, 4, 361-367	https://doi.org/10.18280/2m.180405	Ye, Z.X., Zhang, Y., Zou, J.F., Zheng, Y. (2019). Tunnel measurement of riblet drag reduction. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 4, pp. 361-367. https://doi.org/10.18280/2m.180405
128	Touahria, A., Bougriou, C.	Numerical investigation of a new ventilation-radiator	Cross Flow, CFD, COP, economical system, elliptic tubes, heating system, Transfer Coefficient by Convection (acon), ventilation-radiator	18, 4, 369-380	https://doi.org/10.18280/2m.180406	Touahria, A., Bougriou, C. (2019). Numerical investigation of a new ventilation-radiator. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 4, pp. 369-380. https://doi.org/10.18280/2m.180406
129	Hua, W.X., Zhang, W.M., Li, J., Li, X.X., Li, X., Shen, T.G.	Measurement of flow field in waterjet nozzles with different structures	flow field, specific energy, impact distance, nozzle structure	18, 4, 381-388	https://doi.org/10.18280/2m.180407	Hua, W.X., Zhang, W.M., Li, J., Li, X.X., Li, X., Shen, T.G. (2019). Measurement of flow field in waterjet nozzles with different structures. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 4, pp. 381-388. https://doi.org/10.18280/2m.180407
130	Mediani, A., Mounzar, H., Larbi, A.A., Loumani, A., Chaouch, W.B., Djaber, A., Tigani, C., Benatallah, A.	The isothermal sorption measurement and the isosteric heats determinations for the south algerian date varieties	sorption isotherm, solar drying, gravimetric method, isosteric heats, date varieties, GAB and smith models	18, 4, 389-396	https://doi.org/10.18280/2m.180408	Mediani, A., Mounzar, H., Larbi, A.A., Loumani, A., Chaouch, W.B., Djaber, A., Tigani, C., Benatallah, A. (2019). The isothermal sorption measurement and the isosteric heats determinations for the South Algerian date varieties. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 4, pp. 389-396. https://doi.org/10.18280/2m.180408
131	Ren, S.Q., Dong, C.M., Chen, X.J., Wang, C.H.	Improving the measurement accuracy of SINS through calibration on horizontal three-axis turntable	SINS, systematic calibration, Horizontal Three-Axis Turntable (SAT), errors, gyro	18, 4, 397-406	https://doi.org/10.18280/2m.180409	Ren, S.Q., Dong, C.M., Chen, X.J., Wang, C.H. (2019). Improving the measurement accuracy of SINS through calibration on horizontal three-axis turntable. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 4, pp. 397-406. https://doi.org/10.18280/2m.180409
132	Maheshan, C.M., Kumar, H.P.	Image enhancement of transformer oil images using improved complex shock filter	CSF, ICSF, MSE, OSF, PSNR, SSIM, transformer Oil	18, 4, 407-412	https://doi.org/10.18280/2m.180410	Maheshan, C.M., Kumar, H.P. (2019). Image enhancement of transformer oil images using improved complex shock filter. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 4, pp. 407-412. https://doi.org/10.18280/2m.180410
133	Pratama, A.H., Gunawan, A.A.N., Suyanto, H.	Determination characteristic and classification the types of orange using UV-vis spectrophotometer by K-nearest neighbor algorithm	absorbance, electromagnetic, euclidean, matrix, spectrum, wavelength	18, 4, 413-419	https://doi.org/10.18280/2m.180411	Pratama, A.H., Gunawan, A.A.N., Suyanto, H. (2019). Determination characteristic and classification the types of orange using UV-vis spectrophotometer by K-Nearest neighbor algorithm. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 4, pp. 413-419. https://doi.org/10.18280/2m.180411
134	Wang, C.F.	Comparative analysis on influencing factors of alignment monitoring between continuous rigid-frame bridge and continuous girder bridge	Continuous Rigid-Frame (CRF) Bridge, Continuous Girder (CG) Bridge, construction sequences, cumulative displacement	18, 4, 421-425	https://doi.org/10.18280/2m.180412	Wang, C.F. (2019). Comparative analysis on influencing factors of alignment monitoring between continuous rigid-frame bridge and continuous girder bridge. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 4, pp. 421-425. https://doi.org/10.18280/2m.180412
135	Jagtap, H.P., Bewoor, A., Kumar, R.	Thermal power plant condenser fault diagnosis using coordinated condition monitoring approach	reliability analysis, preventive maintenance, vibration analysis, noise measurement, ultrasound	18, 3, 223-235	https://doi.org/10.18280/2m.180301	Jagtap, H.P., Bewoor, A., Kumar, R. (2019). Thermal power plant condenser fault diagnosis using coordinated condition monitoring approach. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 3, pp. 223-235. https://doi.org/10.18280/2m.180301
136	Liu, X., Qiao, X., Shi, X.D., Liu, Q.M., Shi, Y.G.	A novel apple size and surface quality detection and grading system	LabVIEW, particle area, surface quality, grading, manipulator and motion control	18, 3, 237-242	https://doi.org/10.18280/2m.180302	Liu, X., Qiao, X., Shi, X.D., Liu, Q.M., Shi, Y.G. (2019). A novel apple size and surface quality detection and grading system. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 3, pp. 237-242. https://doi.org/10.18280/2m.180302

137	Ouarhient, F., Soudani, A.	Numerical study of the effect of permeability in a partially porous medium	porous medium, permeability, heat transfer, natural convection, cubic cavity	18, 3, 243-248	https://doi.org/10.18280/i2m.180303	Ouarhient, F., Soudani, A. (2019). Numerical study of the effect of permeability in a partially porous medium. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 3, pp. 243-248. https://doi.org/10.18280/i2m.180303
138	Xi, G.Q., Huang, C.J., Liu, S.Q.	A multi-sensor data fusion method for nondestructive testing of oil pipelines	nondestructive testing, multi-sensor data fusion, dempster-shafer theory (DST), fuzzy linear regression	18, 3, 249-255	https://doi.org/10.18280/i2m.180304	Xi, G.Q., Huang, C.J., Liu, S.Q. (2019). A multi-sensor data fusion method for nondestructive testing of oil pipelines. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 3, pp. 249-255. https://doi.org/10.18280/i2m.180304
139	Moulay, F., Habbati, A., Hamdaoui, H.	Application and control of a doubly fed induction machine integrated in wind energy system	doubly fed asynchronous machine, flux orientation command (FOC), wind turbine, doubly-fed induction generator, wind energy conversion system	18, 3, 257-265	https://doi.org/10.18280/i2m.180305	Moulay, F., Habbati, A., Hamdaoui, H. (2019). Application and control of a doubly fed induction machine integrated in wind energy system. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 3, pp. 257-265. https://doi.org/10.18280/i2m.180305
140	Huang, C., Yi, G.X., Zeng, Q.S., Hu, L., Xu, Z.Y.	Design and software implementation of a navigation accuracy evaluation based on error model solution	gyro, accelerometer, course effect, the second-order error related to the specific force (SF2E), navigation accuracy	18, 3, 267-273	https://doi.org/10.18280/i2m.180306	Huang, C., Yi, G.X., Zeng, Q.S., Hu, L., Xu, Z.Y. (2019). Design and software implementation of a navigation accuracy evaluation based on error model solution. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 3, pp. 267-273. https://doi.org/10.18280/i2m.180306
141	Reda, H.M., Abdelylah, B.	Numerical investigation and solar flux distribution analysis of parabolic trough solar collector by adding secondary reflector	heat transfer enhancement, parabolic trough collector, non-uniform heat flux, nusselt number, secondary reflector, computational fluid dynamic	18, 3, 275-280	https://doi.org/10.18280/i2m.180307	Reda, H.M., Abdelylah, B. (2019). Numerical investigation and solar flux distribution analysis of parabolic trough solar collector by adding secondary reflector. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 3, pp. 275-280. https://doi.org/10.18280/i2m.180307
142	Oaddi, R., Tiskatine, R., Boulaïd, M., Bammou, L., Aharoune, A., Ihlal, A.	Thermo-physical properties measurements of an insulating material extracted from different date palm trees	thermal insulation, thermo-physical properties, transient plane source method, porous material, fiber orientation, waste materials	18, 3, 281-287	https://doi.org/10.18280/i2m.180308	Oaddi, R., Tiskatine, R., Boulaïd, M., Bammou, L., Aharoune, A., Ihlal, A. (2019). Thermo-physical properties measurements of an insulating material extracted from different date palm trees. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 3, pp. 281-287. https://doi.org/10.18280/i2m.180308
143	Cui, Z., Wang, Y.X.	Denosing of seismic signals through wavelet transform based on entropy and inter-scale correlation model	entropy, inter-scale correlation, seismic signal, denoising	18, 3, 289-295	https://doi.org/10.18280/i2m.180309	Cui, Z., Wang, Y.X. (2019). Denoising of seismic signals through wavelet transform based on entropy and inter-scale correlation model. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 3, pp. 289-295. https://doi.org/10.18280/i2m.180309
144	Larbi, A.A., Loumani, A., Mediani, A., Bennaceur, S., Tigani, C.	Experimental measurement of moisture sorption isotherms and isosteric heat of palm hearts (jomare) harvested in the algerian sahara	solar dryer, palm heart, modelling, hygroscopic, isosteric desorption heats	18, 3, 297-304	https://doi.org/10.18280/i2m.180310	Larbi, A.A., Loumani, A., Mediani, A., Bennaceur, S., Tigani, C. (2019). Experimental measurement of moisture sorption isotherms and isosteric heat of palm hearts (Jomare) harvested in the Algerian Sahara. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 3, pp. 297-304. https://doi.org/10.18280/i2m.180310
145	Hanan, Gunawan, A.A.N., Sumadyasa, M.	Water level detection system based on ultrasonic sensors hc-sr04 and esp8266-12 modules with telegram and buzzer communication media	HC-SR04, ESP8266-12E, buzzer, telegram	18, 3, 305-309	https://doi.org/10.18280/i2m.180311	Hanan, Gunawan, A.A.N., Sumadyasa, M. (2019). Water level detection system based on ultrasonic sensors HC-SR04 and ESP8266-12 modules with telegram and buzzer communication media. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 3, pp. 305-309. https://doi.org/10.18280/i2m.180311
146	Younes, T.M., Tutunji, T.A., Soliman, A., Dalabeeh, A.K.	A methodology to measure cp / cv ratio using u-shape acoustic resonance tube	acoustic resonance, U-shape resonance tube, specific heat ratio, standing wave	18, 3, 311-316	https://doi.org/10.18280/i2m.180312	Younes, T.M., Tutunji, T.A., Soliman, A., Dalabeeh, A.K. (2019). A methodology to measure CP / CV ratio using U-shape acoustic resonance tube. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 3, pp. 311-316. https://doi.org/10.18280/i2m.180312
147	Li, L.H., Xing, Y.Z., Wen, P., Yu, Y., Li, C.C., Huang, R.L.	Measurement and prediction of rectal temperature of chicken based on genetic programming	monitoring devices, layer, wing temperature, GP, data-simulation, body temperature monitoring	18, 3, 317-322	https://doi.org/10.18280/i2m.180313	Li, L.H., Xing, Y.Z., Wen, P., Yu, Y., Li, C.C., Huang, R.L. (2019). Measurement and prediction of rectal temperature of chicken based on genetic programming. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 3, pp. 317-322. https://doi.org/10.18280/i2m.180313
148	Kherrou, S., Boudjar, A., Hanini, S., Boualit, A., Lalmi, D.	Numerical study of a longitudinal solar dryer in semi-arid area; case study	solar dryer, thermal regulation, solar radiation, numerical simulation, reynold number	18, 2, 95-103	https://doi.org/10.18280/i2m.180201	Kherrou, S., Boudjar, A., Hanini, S., Boualit, A., Lalmi, D. (2019). Numerical study of a longitudinal solar dryer in semi-arid area; case study. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 2, pp. 95-103. https://doi.org/10.18280/i2m.180201
149	Deng, K., Chen, L., Li, W.P.	An overlapping community detection algorithm with label propagation control for complex networks	complex networks, community detection, label propagation, overlapping communities	18, 2, 105-109	https://doi.org/10.18280/i2m.180202	Deng, K., Chen, L., Li, W.P. (2019). An overlapping community detection algorithm with label propagation control for complex networks. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 2, pp. 105-109. https://doi.org/10.18280/i2m.180202
150	Sura, P.R., Reddy, S.N.	Medical plus shaped antenna for s, c, x and ku band applications	ku-band, multi-band operation, radiating patch, return loss, triple band	18, 2, 111-114	https://doi.org/10.18280/i2m.180203	Sura, P.R., Reddy, S.N. (2019). Medical plus shaped antenna for S, C, X and ku band applications. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 2, pp. 111-114. https://doi.org/10.18280/i2m.180203
151	Huang, C., Yi, G.X., Zen, Q.S., Hu, L., Xu, Z.Y.	A navigation accuracy evaluation method for multi-path platform inertial navigation system	Platform Inertial Navigation System (PINS), navigation accuracy, Principal Component Analysis (PCA), Least Squares Support Vector Machine (LSSVM), pruning algorithm	18, 2, 115-121	https://doi.org/10.18280/i2m.180204	Huang, C., Yi, G.X., Zen, Q.S., Hu, L., Xu, Z.Y. (2019). A navigation accuracy evaluation method for multi-path platform inertial navigation system. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 2, pp. 115-121. https://doi.org/10.18280/i2m.180204
152	Younes, T.M., AlKhedher, M.A., Shgier, K.A., Al Taweel, F.	U-shape acoustic liquid densitometer	acoustic, densitometer, hydrostatic, resonance, standing wave	18, 2, 123-128	https://doi.org/10.18280/i2m.180205	Younes, T.M., AlKhedher, M.A., Shgier, K.A., Al Taweel, F. (2019). U-shape acoustic liquid densitometer. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 2, pp. 123-128. https://doi.org/10.18280/i2m.180205
153	Liu, W.J., Ding, L., Wang, C.B., Zhao, B.C.	Behavior mechanism of internet product consumers transferring from personal computer terminal to mobile terminal	behavioral transfer, brand extension, continuance intention, perceived integrity	18, 2, 129-135	https://doi.org/10.18280/i2m.180206	Liu, W.J., Ding, L., Wang, C.B., Zhao, B.C. (2019). Behavior mechanism of internet product consumers transferring from personal computer terminal to mobile terminal. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 2, pp. 129-135. https://doi.org/10.18280/i2m.180206

154	Zouggar, E.O., Chaouch, S., Abdeslam, D.O., Abdelhamid, A.L.	Sliding control with fuzzy type-2 controller of wind energy system based on doubly fed induction generator	wind turbine- modeling - DFIG - Powers Regulation- Sliding Mode Control- Type-2 Fuzzy Logic Control- Robust Control	18, 2, 137-146	https://doi.org/10.18280/i2m.180207	Zouggar, E.O., Chaouch, S., Abdeslam, D.O., Abdelhamid, A.L. (2019). Sliding control with fuzzy type-2 controller of wind energy system based on doubly fed induction generator. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 137-146. https://doi.org/10.18280/i2m.180207
155	Huang, W.J., Zhao, W., Zhang, J.	Visual servo system based on cubature kalman filter and backpropagation neural network	visual servo system, cubature kalman filter, neural network, image jacobian matrix	18, 2, 147-151	https://doi.org/10.18280/i2m.180208	Huang, W.J., Zhao, W., Zhang, J. (2019). Visual servo system based on cubature kalman filter and backpropagation neural network. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 147-151. https://doi.org/10.18280/i2m.180208
156	Kumar, R.V.K., Naik, G.M., Murali, G.	Wireless nano sensor network (wdsn) for trace detection of explosives: the case of rdx and tnt	nano sensor, WNSN, trace explosive detection, terrorism, TNT, RDX	18, 2, 153-158	https://doi.org/10.18280/i2m.180209	Kumar, R.V.K., Naik, G.M., Murali, G. (2019). Wireless nano sensor network (WNSN) for trace detection of explosives: The case of RDX and TNT. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 153-158. https://doi.org/10.18280/i2m.180209
157	Yu, S.P., Yang, S.S., Chen, W.Q., Mao, W.W.	An electromagnetic detection method for grain silos based on finite difference time domain and ground penetration radar	finite difference time domain (FDTD), ground penetration radar (GPR), grain pile density, dielectric constant, free space transmission	18, 2, 159-164	https://doi.org/10.18280/i2m.180210	Yu, S.P., Yang, S.S., Chen, W.Q., Mao, W.W. (2019). An electromagnetic detection method for grain silos based on finite difference time domain and ground penetration radar. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 159-164. https://doi.org/10.18280/i2m.180210
158	Tayoub, H., Hocini, A., Harhouz, A.	Mid-infrared refractive index sensor based on a 2d photonic crystal coupled cavity-two waveguides	mid-infrared, photonic crystal cavity, photonic crystal waveguide, RI-based sensing, high sensitivity	18, 2, 165-169	https://doi.org/10.18280/i2m.180211	Tayoub, H., Hocini, A., Harhouz, A. (2019). Mid-infrared refractive index sensor based on a 2d photonic crystal coupled cavity-two waveguides. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 165-169. https://doi.org/10.18280/i2m.180211
159	Mouffok, M., Aidaoui, L., Zemmouri, N.	Evaluation study of energy performance and conformity to regulations for ordinary and hep housings: case study based on measurements at djelfa city, algeria	energy performance, algerian thermal regulatory, high energy performance housing HEP, regulatory technical document RTD C3-2	18, 2, 171-180	https://doi.org/10.18280/i2m.180212	Mouffok, M., Aidaoui, L., Zemmouri, N. (2019). Evaluation study of energy performance and conformity to regulations for ordinary and HEP Housings: Case study based on measurements at Djelfa City, Algeria. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 171-180. https://doi.org/10.18280/i2m.180212
160	Qin, J.L., Shang, S.P.	Laboratory acoustic measurement of proroentrum donghaiense concentrations	backscattering, concentration measurement, Integrated Backscatter Strength Power (IBS), Proentrum Donghaiense (p. Donghaiense), ultrasound	18, 2, 181-188	https://doi.org/10.18280/i2m.180213	Qin, J.L., Shang, S.P. (2019). Laboratory acoustic measurement of proroentrum donghaiense concentrations. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 181-188. https://doi.org/10.18280/i2m.180213
161	Moses, E.E., Makuachukwu, E.J., Adesola, F., Isaac, O.A.	Aerosol loading and its implications on atmospheric corrosion over tokoradi	aerosol loading, aerosol, atmospheric corrosion, tokoradi, ghana, model	18, 2, 189-193	https://doi.org/10.18280/i2m.180214	Moses, E.E., Makuachukwu, E.J., Adesola, F., Isaac, O.A. (2019). Aerosol loading and its implications on atmospheric corrosion over Tokoradi. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 189-193. https://doi.org/10.18280/i2m.180214
162	Han, R., Shao, D., Wang, L.H., Wang, M.J.	A novel communication and monitoring system for integrated utility tunnel	Integrated Utility Tunnel (IUT), environmental monitoring, communication system, Minimum Integrated System (MIS)	18, 2, 195-200	https://doi.org/10.18280/i2m.180215	Han, R., Shao, D., Wang, L.H., Wang, M.J. (2019). A novel communication and monitoring system for integrated utility tunnel. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 195-200. https://doi.org/10.18280/i2m.180215
163	Huleihil, M.M.	Parametric study of uniform heat sink design	heat sink, passive cooling, heat dissipation, single component, solar cell, thermoelectric cooling, led	18, 2, 201-209	https://doi.org/10.18280/i2m.180216	Huleihil, M.M. (2019). Parametric study of uniform heat sink design. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 201-209. https://doi.org/10.18280/i2m.180216
164	Sabeti, P., Karami, H., Sarkardeh, H.	Analysis of the impact of effective length of morning glory spillway on its performance (numerical study)	Computational Fluids Dynamics (CFD), finite volume method, sectoral morning glory spillways, spillway discharge capacity, 3D modeling	18, 2, 211-221	https://doi.org/10.18280/i2m.180217	Sabeti, P., Karami, H., Sarkardeh, H. (2019). Analysis of the impact of effective length of morning glory spillway on its performance (numerical study). <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 211-221. https://doi.org/10.18280/i2m.180217
165	Amin, B., Djamil, H.	Towards a spatiotemporal data warehouse for epidemiological surveillance	epidemiological surveillance, spatiotemporal data warehouses, territory evolution, spatial interpolation, public health indicators	18, 1, 1-7	https://doi.org/10.18280/i2m.180101	Amin, B., Djamil, H. (2019). Towards a spatiotemporal data warehouse for epidemiological surveillance. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 1, pp. 1-7. https://doi.org/10.18280/i2m.180101
166	Suneetha, A.R.V.N., Narasimhareddy, K.V.	Secure energy trade-offs in wireless sensor networks	wireless networks, sensor networks, energy consumption, security, key affiliation	18, 1, 9-13	https://doi.org/10.18280/i2m.180102	Suneetha, A.R.V.N., Narasimhareddy, K.V. (2019). Secure energy trade-offs in wireless sensor networks. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 1, pp. 9-13. https://doi.org/10.18280/i2m.180102
167	Cai, K.J., Zhang, W.M., Li, J., Zhao, H.F.	Maintenance time measurement for mechanical products based on virtual prototype	mechanical products, maintenance time measurement, virtual prototype, modular arrangement of predetermined time standard (MOD), maintenance motion	18, 1, 15-23	https://doi.org/10.18280/i2m.180103	Cai, K.J., Zhang, W.M., Li, J., Zhao, H.F. (2019). Maintenance time measurement for mechanical products based on virtual prototype. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 1, pp. 15-23. https://doi.org/10.18280/i2m.180103
168	Albouchi, F., Mzali, F., Saadaoui, S., Jenni, A.	Thermal conductivity measurements of liquids with transient hot-bridge method	thermal conductivity, liquids, electro-thermal method, wheatstone bridge, hot bridge	18, 1, 25-30	https://doi.org/10.18280/i2m.180104	Albouchi, F., Mzali, F., Saadaoui, S., Jenni, A. (2019). Thermal conductivity measurements of liquids with transient hot-bridge method. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 1, pp. 25-30. https://doi.org/10.18280/i2m.180104
169	Yang, B.H.	A fractional lower-order bi-spectrum estimation method based on autoregressive model	autoregressive (AR) model, bi-spectrum, fractional lower-order (FLO) statistics, three order cumulant, signal processing	18, 1, 31-36	https://doi.org/10.18280/i2m.180105	Yang, B.H. (2019). A fractional lower-order bi-spectrum estimation method based on autoregressive model. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 1, pp. 31-36. https://doi.org/10.18280/i2m.180105
170	Fan, P.F., Shang, Z.	Application of wireless sensor network in monitoring of weapon and equipment production	Wireless Sensor Network (WSN), weapon production equipment, data fusion, zigbee protocol	18, 1, 37-41	https://doi.org/10.18280/i2m.180106	Fan, P.F., Shang, Z. (2019). Application of wireless sensor network in monitoring of weapon and equipment production. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 1, pp. 37-41. https://doi.org/10.18280/i2m.180106

171	Monzer, K.M., Tariq, Y.M., Farouq, A.M.	New design of socket modules for smart home applications	Smart Module, IoT, LabVIEW, Building Management System, Internet Browser, Electrical Plug	18, 1, 43-48	https://doi.org/10.18280/izm.180107	Monzer, K.M., Tariq, Y.M., Farouq, A.M. (2019). New design of socket modules for smart home applications. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 1, pp. 43-48. https://doi.org/10.18280/izm.180107
172	Adibi, T.	Experimental investigation about drag force on the both icy and non-icy airfoils	drag force reduction, NACA0015 airfoil, icy airfoil, separation, attack angle	18, 1, 49-54	https://doi.org/10.18280/izm.180108	Adibi, T. (2019). Experimental investigation about drag force on the both icy and non-icy airfoils. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 1, pp. 49-54. https://doi.org/10.18280/izm.180108
173	Cao, X.P., Zhang, Y.R., Wang, B., Liu, Z.Y.	Comparison between field measured indices of different stress release plans for high geo-stress soft rock tunnels	high geo-stress, soft rock tunnel, stress release, pilot heading, space reservation	18, 1, 55-62	https://doi.org/10.18280/izm.180109	Cao, X.P., Zhang, Y.R., Wang, B., Liu, Z.Y. (2019). Comparison between field measured indices of different stress release plans for high geo-stress soft rock tunnels. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 1, pp. 55-62. https://doi.org/10.18280/izm.180109
174	Zhu, Y.L., Xu, C.G., Xiao, D.G., He, L.	Microstructure size measurement based on c-scan image of scanning acoustic microscopy	scanning acoustic microscopy, the lateral size, small dimensions	18, 1, 63-68	https://doi.org/10.18280/izm.180110	Zhu, Y.L., Xu, C.G., Xiao, D.G., He, L. (2019). Microstructure size measurement based on C-scan image of scanning acoustic microscopy. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 1, pp. 63-68. https://doi.org/10.18280/izm.180110
175	Ouarhjent, F., Soudani, A.	Numerical study of thermal convection in a porous medium	porous media, natural convection, cubic cavity, finite volume method	18, 1, 69-74	https://doi.org/10.18280/izm.180111	Ouarhjent, F., Soudani, A. (2019). Numerical study of thermal convection in a porous medium. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 1, pp. 69-74. https://doi.org/10.18280/izm.180111
176	Muthusamy, P., Durairaj, P.V.	An overview of microwave ubw antenna for structural health monitoring of wind turbine blades: optimal design and analysis	low profile, rectangular slot, microwave, UWB antenna, structural health monitoring, wind turbine blade	18, 1, 75-81	https://doi.org/10.18280/izm.180112	Muthusamy, P., Durairaj, P.V. (2019). An overview of microwave UWB antenna for structural health monitoring of wind turbine blades: Optimal design and analysis. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 1, pp. 75-81. https://doi.org/10.18280/izm.180112
177	Yang, Z.Y., Dong, M.K., Guo, Y.F., Wu, J.F.	Study on odor detection and microbial identification method in closed water area of Jiangxi province	closed water area, odor detection, microbial decomposition	18, 1, 83-86	https://doi.org/10.18280/izm.180113	Yang, Z.Y., Dong, M.K., Guo, Y.F., Wu, J.F. (2019). Study on odor detection and microbial identification method in closed water area of Jiangxi Province. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 1, pp. 83-86. https://doi.org/10.18280/izm.180113
178	Kharouati, A., Debbache, N.E.	Contribution of intelligent instruments in improving the dependability of a mechatronic systems	dependability, intelligent instrument, probability of dangerous failures, probability of safe failure, stochastic petri network	18, 1, 87-94	https://doi.org/10.18280/izm.180114	Kharouati, A., Debbache, N.E. (2019). Contribution of intelligent instruments in improving the dependability of a mechatronic systems. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 1, pp. 87-94. https://doi.org/10.18280/izm.180114
179	Domenico, G., Carla, C.G., Margherita, M.	Integrated urban regeneration policy and soft mobility planning for transport energy-saving	sustainability, urban regeneration, soft mobility, energy saving	17, 4, 527-547	https://doi.org/10.3166/I2M.17.527-547	Domenico, G., Carla, C.G., Margherita, M. (2018). Integrated urban regeneration policy and soft mobility planning for transport energy-saving. <i>Instrumentation Measure Metrologie</i> , Vol. 17, No. 4, pp. 527-547. https://doi.org/10.3166/I2M.17.527-547
180	Cannistraro, G., Cannistraro, M.M., Cao, J., Ponterio, L.	New technique monitoring and transmission environmental data with mobile systems	urban microclimate, urban pollution, mobile monitoring devices, remote data acquisition	17, 4, 549-562	https://doi.org/10.3166/I2M.17.549-562	Cannistraro, G., Cannistraro, M.M., Cao, J., Ponterio, L. (2018). New technique monitoring and transmission environmental data with mobile systems. <i>Instrumentation Measure Metrologie</i> , Vol. 17, No. 4, pp. 549-562. https://doi.org/10.3166/I2M.17.549-562
181	Dong, J.H., Xu, M., Wan, S.M., Xie, F.H., Wu, Q.H.	Stability analysis of accumulation body based on monitoring results of deep displacement	talus, stability, real-time quantitative assessment, deformation of landslide in depth, monitoring	17, 4, 563-572	https://doi.org/10.3166/I2M.17.563-572	Dong, J.H., Xu, M., Wan, S.M., Xie, F.H., Wu, Q.H. (2018). Stability analysis of accumulation body based on monitoring results of deep displacement. <i>Instrumentation Measure Metrologie</i> , Vol. 17, No. 4, pp. 563-572. https://doi.org/10.3166/I2M.17.563-572
182	Saini, S., Sharma, Y.D.	Numerical study of bioconvection saturated with nanofluid containing gyrotactic microorganisms confined within Hele-Shaw cell	nanofluid, hele-shaw cell, thermophoresis, brownian motion, bioconvection, gyrotactic microorganism	17, 4, 573-591	https://doi.org/10.3166/I2M.17.573-591	Saini, S., Sharma, Y.D. (2018). Numerical study of bioconvection saturated with nanofluid containing gyrotactic microorganisms confined within Hele-Shaw cell. <i>Instrumentation Measure Metrologie</i> , Vol. 17, No. 4, pp. 573-591. https://doi.org/10.3166/I2M.17.573-591
183	Liu, F.M., Lu, W., Cai, Z.Y.	Design and implementation of an infrared radiation sensor based on STC12C5A	infrared temperature measurement, STC12C5A, non-contact, MLX90614	17, 4, 593-603	https://doi.org/10.3166/I2M.17.593-603	Liu, F.M., Lu, W., Cai, Z.Y. (2018). Design and implementation of an infrared radiation sensor based on STC12C5A. <i>Instrumentation Measure Metrologie</i> , Vol. 17, No. 4, pp. 593-603. https://doi.org/10.3166/I2M.17.593-603
184	Fedele, R., Merenda, M., Praticò, F.G., Carotenuto, R., Corte, F.G.D.	Energy harvesting for IoT road monitoring systems	energy harvesting, internet of things, photovoltaic standalone system, road pavement, structural health monitoring system	17, 4, 605-623	https://doi.org/10.3166/I2M.17.605-623	Fedele, R., Merenda, M., Praticò, F.G., Carotenuto, R., Corte, F.G.D. (2018). Energy harvesting for IoT road monitoring systems. <i>Instrumentation Measure Metrologie</i> , Vol. 17, No. 4, pp. 605-623. https://doi.org/10.3166/I2M.17.605-623
185	Wang, Q.H.	An intelligent, automatic body measurement system based on ultrasonic sensor arrays	garment customization, body measurement, ultrasonic sensor array, curve fitting	17, 4, 625-639	https://doi.org/10.3166/I2M.17.625-639	Wang, Q.H. (2018). An intelligent, automatic body measurement system based on ultrasonic sensor arrays. <i>Instrumentation Measure Metrologie</i> , Vol. 17, No. 4, pp. 625-639. https://doi.org/10.3166/I2M.17.625-639
186	Usefian, A., Bayareh, M.	Numerical study of heat transfer and exergy analysis of a heat exchanger with single and double segmental baffles	heat transfer, exergy, heat exchanger, segmental baffles, double baffles	17, 4, 641-652	https://doi.org/10.3166/I2M.17.641-652	Usefian, A., Bayareh, M. (2018). Numerical study of heat transfer and exergy analysis of a heat exchanger with single and double segmental baffles. <i>Instrumentation Measure Metrologie</i> , Vol. 17, No. 4, pp. 641-652. https://doi.org/10.3166/I2M.17.641-652
187	Elmembaby S.M., Ghoneim V.F., Wahed M.A.	Comparing gene regulatory inferring algorithms with different perspective	gene regulatory network, adjacency matrix, distance metrics	17, 4, 653-661	https://doi.org/10.3166/I2M.17.653-661	Elmembaby, S.M., Ghoneim, V.F., Wahed, M.A. (2018). Comparing gene regulatory inferring algorithms with different perspective. <i>Instrumentation Measure Metrologie</i> , Vol. 17, No. 4, pp. 653-661. https://doi.org/10.3166/I2M.17.653-661

188	Elemabay, S.M., Ghoneim, V.F., Wahed, M.A.	Identification of pests hidden in wheat kernels based on support vector machine classifier	grain kernels, support vector machine, classification, characteristic parameter	17, 4, 663-674	https://doi.org/10.3166/I2M.17.663-674	Li, Z.F., Zhen, T., Zhu, Y.H. (2018). Identification of pests hidden in wheat kernels based on support vector machine classifier. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 4, pp. 663-674. https://doi.org/10.3166/I2M.17.663-674
189	Danza, L., Belussi, L., Floreani, F., Meroni, I., Piccinini, A., Salamone, F.	Application of model predictive control for the optimization of thermo-hygrometric comfort and energy consumption of buildings	building energy simulations, model predictive control, lumped parameters model, dymola	17, 3, 375-391	https://doi.org/10.3166/I2M.17.375-391	Danza, L., Belussi, L., Floreani, F., Meroni, I., Piccinini, A., Salamone, F. (2018). Application of model predictive control for the optimization of thermo-hygrometric comfort and energy consumption of buildings. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 3, pp. 375-391. https://doi.org/10.3166/I2M.17.375-391
190	Barrile, V., Fotia, A.	3D Modeling by thermography for non-destructive analysis of archaeological heritage	archaeological heritage, 3D model, thermography	17, 3, 393-410	https://doi.org/10.3166/I2M.17.393-410	Barrile, V., Fotia, A. (2018). 3D Modeling by thermography for non-destructive analysis of archaeological heritage. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 3, pp. 393-410. https://doi.org/10.3166/I2M.17.393-410
191	Huang, Z.H., Zhu, Z.Q., Li, J.Z., Lu, G.Y.	Reliability study on the application of reflected wave method in integrity test of pre-stressed pipe pile	defect detection, prestressed pipe pile, reflection survey, reliability	17, 3, 411-422	https://doi.org/10.3166/I2M.17.411-422	Huang, Z.H., Zhu, Z.Q., Li, J.Z., Lu, G.Y. (2018). Reliability study on the application of reflected wave method in integrity test of pre-stressed pipe pile. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 3, pp. 411-422. https://doi.org/10.3166/I2M.17.411-422
192	Aloisio, D., Ferraro, M., Brunaccini, G., Sergi, F., Randazzo, N., Dispenza, G., Antonucci V.	Modeling, realization and test on field of a fuel cell - Na/NiCl ₂ battery hybrid system as a base transceiver station power supply	SOFC, hybrid system, smart energy	17, 3, 423-442	https://doi.org/10.3166/I2M.17.423-442	Aloisio, D., Ferraro, M., Brunaccini, G., Sergi, F., Randazzo, N., Dispenza, G., Antonucci V. (2018). Modeling, realization and test on field of a fuel cell-Na/NiCl ₂ battery hybrid system as a base transceiver station power supply. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 3, pp. 423-442. https://doi.org/10.3166/I2M.17.423-442
193	Zheng, H.H., Bai, Y.X., Zhang, Y.Q.	Temperature time series prediction based on autoregressive integrated moving average model	Autoregressive Integrated Moving Average (ARIMA) Model, temperature prediction, time series analysis, difference, stationarity test	17, 3, 443-453	https://doi.org/10.3166/I2M.17.443-453	Zheng, H.H., Bai, Y.X., Zhang, Y.Q. (2018). Temperature time series prediction based on autoregressive integrated moving average model. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 3, pp. 443-453. https://doi.org/10.3166/I2M.17.443-453
194	Singh, R.K., Sharma, R.V.	Thermal performance of a co-axial borehole heat exchanger	borehole heat exchanger, thermal performance, CFD, analytical method, AICO, CIAO	17, 3, 455-466	https://doi.org/10.3166/I2M.17.455-466	Singh, R.K., Sharma, R.V. (2018). Thermal performance of a co-axial borehole heat exchanger. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 3, pp. 443-453. https://doi.org/10.3166/I2M.17.455-466
195	Wu, Q., Teng, Y.T., Zhang, B., Xing, L.L.	An application of genetic algorithm to improving measurement accuracy of laser interference absolute gravimeter	vibration isolation, genetic algorithm, absolute gravimeter, gravity measurement	17, 3, 467-477	https://doi.org/10.3166/I2M.17.467-477	Wu, Q., Teng, Y.T., Zhang, B., Xing, L.L. (2018). An application of genetic algorithm to improving measurement accuracy of laser interference absolute gravimeter. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 3, pp. 467-477. https://doi.org/10.3166/I2M.17.467-477
196	Alkhafaji, D., Wylie, S.R.	Application of microwave analysis to monitoring slug flow in pipeline networks	microwave sensor, slug flow, non-invasive, resonant cavity	17, 3, 479-489	https://doi.org/10.3166/I2M.17.479-489	Alkhafaji, D., Wylie, S.R. (2018). Application of microwave analysis to monitoring slug flow in pipeline networks. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 3, pp. 479-489. https://doi.org/10.3166/I2M.17.479-489
197	Naceur, R., Abbas, A.O., Bezzerrouk, M.A., Bousmaha, M., Akriche, A., Djakhane, K., Hattabi, I.	Experimental study of performance dependence on absorber and number of air inlets of solar updraft tower	solar chimney, collector, temperature, air velocity, humidity	17, 3, 491-506	https://doi.org/10.3166/I2M.17.491-506	Naceur, R., Abbas, A.O., Bezzerrouk, M.A., Bousmaha, M., Akriche, A., Djakhane, K., Hattabi, I. (2018). Experimental study of performance dependence on absorber and number of air inlets of solar updraft tower. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 3, pp. 491-506. https://doi.org/10.3166/I2M.17.491-506
198	Chen, B.Q., Jiang, D., Zhang, J., Gao, J., Fan, X.T.	Monitoring of 3D large surface deformation in coal mines through the integration of synthetic aperture radar pixel offset tracking and probability integration function model	Interferometric Synthetic Aperture Radar (INSAR), large deformation, deformation monitoring, Pixel Offset Tracking (POT), Probability Integration Function Model (PIFM)	17, 3, 507-519	https://doi.org/10.3166/I2M.17.507-519	Chen, B.Q., Jiang, D., Zhang, J., Gao, J., Fan, X.T. (2018). Monitoring of 3D large surface deformation in coal mines through the integration of synthetic aperture radar pixel offset tracking and probability integration function model. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 3, pp. 507-519. https://doi.org/10.3166/I2M.17.507-519
199	Chabane, F., Moumimi, N., Brima, A.	Estimation of Ultraviolet A (315–400 nm) and Ultraviolet B (280–315 nm) on region of Biskra	Ultraviolet A, Ultraviolet B, sun height solar radiation	17, 2, 193-204	https://doi.org/10.3166/I2M.17.193-204	Chabane, F., Moumimi, N., Brima, A. (2018). Estimation of Ultraviolet A (315–400 nm) and Ultraviolet B (280–315 nm) on region of Biskra. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 2, pp. 193-204. https://doi.org/10.3166/I2M.17.193-204
200	Papade, C.V., Wale, R.S.	Analysis of air conditioning system by using nanorefrigerant	air conditioning system, nanoparticles, COP, nano-refrigerant, power consumption	17, 2, 205-217	https://doi.org/10.3166/I2M.17.205-217	Papade, C.V., Wale, R.S. (2018). Analysis of air conditioning system by using nanorefrigerant. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 2, pp. 205-217. https://doi.org/10.3166/I2M.17.205-217
201	Xia, Q., Qu, W.J., Li, Y.Q., Zhao, J.	Analysis of natural vibration frequency of different support slabs under the traffic vibration based on field measurement	energy method, natural vibration frequency, numerical simulation, theoretical calculation	17, 2, 219-233	https://doi.org/10.3166/I2M.17.219-233	Xia, Q., Qu, W.J., Li, Y.Q., Zhao, J. (2018). Analysis of natural vibration frequency of different support slabs under the traffic vibration based on field measurement. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 2, pp. 219-233. https://doi.org/10.3166/I2M.17.219-233
202	Dahham, R.Y., Alkhafaji, D., Al-Jelawy, H., Hadi, S.J.	Experimental and numerical study of the effect of vibration on airflow between can combustor liner and casing	annulus flow, can combustor, CFD simulation, pitot - static tube, velocity profile, fluid-structure interface, forced vibration and flow-induced vibration	17, 2, 235-257	https://doi.org/10.3166/I2M.17.235-257	Dahham, R.Y., Alkhafaji, D., Al-Jelawy, H., Hadi, S.J. (2018). Experimental and numerical study of the effect of vibration on airflow between can combustor liner and casing. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 2, pp. 235-257. https://doi.org/10.3166/I2M.17.235-257
203	Chen, Y.Z.	Evaluation of technological progress and technical efficiency based on sequential data development analysis and Malmquist index decomposition	total factor productivity, sequential dea-malmquist productivity index model, technological progress, technical efficiency	17, 2, 259-272	https://doi.org/10.3166/I2M.17.259-272	Chen, Y.Z. (2018). Evaluation of technological progress and technical efficiency based on sequential data development analysis and Malmquist index decomposition. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 2, pp. 259-272. https://doi.org/10.3166/I2M.17.259-272
204	Kuma, V., Prasad, L.	Performance prediction of three sides hemispherical dimple roughened solar duct	concave dimple, one and three sides roughened duct, relative roughness height relative roughness pitch, solar air heater	17, 2, 273-293	https://doi.org/10.3166/I2M.17.273-293	Kuma, V., Prasad, L. (2018). Performance prediction of three sides hemispherical dimple roughened solar duct. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 2, pp. 273-293. https://doi.org/10.3166/I2M.17.273-293

205	Xu, H.X., Duan, X.M.	Efficient estimation for partially linear varying-coefficient errors-in-variables models with heteroscedastic errors	varying-coefficient partially linear model, profile least squares, errors-in-variables, heteroscedasticity, re-weighted estimation	17, 2, 295-314	https://doi.org/10.3166/I2M.17.295-314	Xu, H.X., Duan, X.M. (2018). Efficient estimation for partially linear varying-coefficient errors-in-variables models with heteroscedastic errors. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 2, pp. 295-314. https://doi.org/10.3166/I2M.17.295-314
206	Gupta, A.K., Kumar, M., Panda, D., Sahoo, R.K.	Experimental analysis to predict the performance of a plate fin heat exchanger at cryogenics temperature	plate-fin heat exchanger, aspen, experimental study	17, 2, 315-329	https://doi.org/10.3166/I2M.17.315-329	Gupta, A.K., Kumar, M., Panda, D., Sahoo, R.K. (2018). Experimental analysis to predict the performance of a plate fin heat exchanger at cryogenics temperature. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 2, pp. 315-329. https://doi.org/10.3166/I2M.17.315-329
207	Biswas, R., Mondal, M., Islam, A.	A steady MHD natural convection and heat transfer fluid flow through a vertical surface in the existence of hall current and radiation	hall current, magnetic field, natural convection, radiation, MHD, EFDM	17, 2, 331-356	https://doi.org/10.3166/I2M.17.331-356	Biswas, R., Mondal, M., Islam, A. (2018). A steady MHD natural convection and heat transfer fluid flow through a vertical surface in the existence of hall current and radiation. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 2, pp. 331-356. https://doi.org/10.3166/I2M.17.331-356
208	Yuan, D.B., Ma, X., Li, M., Liang, C., Hou, X.B.	Comparison between cycle slip detection methods based on dual-frequency observation data	BDS, cycle slip detection, ionosphere residual method, phase reduction pseudo range method, equation, threshold value, different type	17, 2, 357-367	https://doi.org/10.3166/I2M.17.357-367	Yuan, D.B., Ma, X., Li, M., Liang, C., Hou, X.B. (2018). Comparison between cycle slip detection methods based on dual-frequency observation data. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 2, pp. 357-367. https://doi.org/10.3166/I2M.17.357-367
209	Murmu, R., Kumar, P., Singh, H.N.	Experimental investigation on heat transfer and friction factor for an inclined spherical ball roughened solar air heater	solar energy, spherical ball, relative roughness pitch, relative roughness height, height to diameter ratio, angle of attack	17, 1, 7-36	https://doi.org/10.3166/I2M.17.7-36	Murmu, R., Kumar, P., Singh, H.N. (2018). Experimental investigation on heat transfer and friction factor for an inclined spherical ball roughened solar air heater. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 1, pp. 7-36. https://doi.org/10.3166/I2M.17.7-36
210	Chabane, F., Sekseff, E.	Solar air collectors with doubles glazed by different distances in support of mass flow	double-glazed, solar air collector, efficiency, mass flow rate, thermal losses	17, 1, 37-53	https://doi.org/10.3166/I2M.17.37-53	Chabane, F., Sekseff, E. (2018). Solar air collectors with doubles glazed by different distances in support of mass flow. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 1, pp. 37-53. https://doi.org/10.3166/I2M.17.37-53
211	Tao, T.J., Huang, P., Wang, S.P., Luo, Y.	Safety evaluation of blasting fly-rock based on unascertained measurement model	blasting fly-rock, safety pre-evaluation, unascertained measurement, index weight	17, 1, 55-62	https://doi.org/10.3166/I2M.17.55-62	Tao, T.J., Huang, P., Wang, S.P., Luo, Y. (2018). Safety evaluation of blasting fly-rock based on unascertained measurement model. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 1, pp. 55-62. https://doi.org/10.3166/I2M.17.55-62
212	Bouzid, S., Hamane, Y., Brima, A.	Characterization of turbulent natural and mixed convection in confined enclosures equipped with a heat source	fluent, turbulence model, CFD, heat transfer, closed cavities, ventilated cavities	17, 1, 63-79	https://doi.org/10.3166/I2M.17.63-79	Bouzid, S., Hamane, Y., Brima, A. (2018). Characterization of turbulent natural and mixed convection in confined enclosures equipped with a heat source. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 1, pp. 63-79. https://doi.org/10.3166/I2M.17.63-79
213	Xu, C.Y., Xie, J.M., Wu, J., Sun, D.Y., Mi, J., Liu, Z.D.	Design of a comprehensive test bench for hydrostatic transmission	hydrostatic transmission, comprehensive test bench, modular positioning, virtual measurement and control, test	17, 1, 81-92	https://doi.org/10.3166/I2M.17.81-92	Xu, C.Y., Xie, J.M., Wu, J., Sun, D.Y., Mi, J., Liu, Z.D. (2018). Design of a comprehensive test bench for hydrostatic transmission. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 1, pp. 81-92. https://doi.org/10.3166/I2M.17.81-92
214	Benmenne, D., Bentebbiche, A.	Influence of air preheat temperature and excess air in a reverse flow combustor	reverse-flow combustor, eddy dissipation concept, air-preheat temperature, excess air	17, 1, 93-111	https://doi.org/10.3166/I2M.17.93-111	Benmenne, D., Bentebbiche, A. (2018). Influence of air preheat temperature and excess air in a reverse flow combustor. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 1, pp. 93-111. https://doi.org/10.3166/I2M.17.93-111
215	Chu, X., Zhou, Z.X., Xiang, X.J., He, S.L., Hou, X.	Monitoring of long-span bridge deformation based on 3D laser scanning	deformation monitoring, ground-based 3d, laser scanning, Nurb surfaces, point cloud precision	17, 1, 113-130	https://doi.org/10.3166/I2M.17.113-130	Chu, X., Zhou, Z.X., Xiang, X.J., He, S.L., Hou, X. (2018). Monitoring of long-span bridge deformation based on 3D laser scanning. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 1, pp. 113-130. https://doi.org/10.3166/I2M.17.113-130
216	Blaise, K.K., Magloire, K.E.P., Prosper, G.	Thermal performance evaluation of an indirect solar dryer	indirect solar dryer, thermal efficiency, temperature, solar radiation	17, 1, 131-151	https://doi.org/10.3166/I2M.17.131-151	Blaise, K.K., Magloire, K.E.P., Prosper, G. (2018). Thermal performance evaluation of an indirect solar dryer. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 1, pp. 131-151. https://doi.org/10.3166/I2M.17.131-151
217	Tirono, M., Suharningsih, Apsari, R., Yasin, M., Gunawan, A.A.N.	Combination model of electric field and light for deactivation biofilm bacteria	combination model of electric field and light for deactivation biofilm bacteria	17, 1, 153-165	https://doi.org/10.3166/I2M.17.153-165	Tirono, M., Suharningsih, Apsari, R., Yasin, M., Gunawan, A.A.N. (2018). Combination model of electric field and light for deactivation biofilm bacteria. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 1, pp. 153-165. https://doi.org/10.3166/I2M.17.153-165
218	Yang, J.H., Kong, D.Y.	Construction measuring and deformation analysis of foundation pit in deep silt soil layer under complicated environment	deep foundation pit, deep silt layer, monitoring, deformation analysis	17, 1, 167-185	https://doi.org/10.3166/I2M.17.167-185	Yang, J.H., Kong, D.Y. (2018). Construction measuring and deformation analysis of foundation pit in deep silt soil layer under complicated environment. <i>Instrumentation Mesure Métrologie</i> , Vol. 17, No. 1, pp. 167-185. https://doi.org/10.3166/I2M.17.167-185
219	Marreiro, A., Beaumont, F., Tair, R., Polidori, G.	Application of infrared thermal imaging and computational fluid dynamics techniques to whole body cryotherapy (WBC)	computational fluid dynamics, convective-radiative model, cryotherapy, infrared thermography	16, 1-4, 11-32	https://doi.org/10.3166/I2M.16.1-4.11-32	Marreiro, A., Beaumont, F., Tair, R., Polidori, G. (2017). Application of infrared thermal imaging and computational fluid dynamics techniques to whole body cryotherapy (WBC). <i>Instrumentation Mesure Métrologie</i> , Vol. 16, No. 1-4, pp. 11-32. https://doi.org/10.3166/I2M.16.1-4.11-32
220	Beaumont, F., Tair, R., Polidori, G., Zaidi, H., Grappe, F.	Numerical study of the aerodynamics of time-trial cycling helmets	Aerodynamic Drag, Computational Fluid Dynamics (CFD), Time Trial Helmets	16, 1-4, 33-50	https://doi.org/10.3166/I2M.16.1-4.33-50	Beaumont, F., Tair, R., Polidori, G., Zaidi, H., Grappe, F. (2017). Numerical study of the aerodynamics of time-trial cycling helmets. <i>Instrumentation Mesure Métrologie</i> , Vol. 16, No. 1-4, pp. 33-50. https://doi.org/10.3166/I2M.16.1-4.33-50
221	Pohardy, A., Dogon, C., Carré, C., Fève, S., Hardy, I., Besnard, P.	Data transmission in free space and quantum cascade laser	chaos-based secure communications, data transmission, free space, quantum cascade laser	16, 1-4, 51-59	https://doi.org/10.3166/I2M.16.1-4.51-59	Pohardy, A., Dogon, C., Carré, C., Fève, S., Hardy, I., Besnard, P. (2017). Data transmission in free space and quantum cascade laser. <i>Instrumentation Mesure Métrologie</i> , Vol. 16, No. 1-4, pp. 51-59. https://doi.org/10.3166/I2M.16.1-4.51-59

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223	Durand-Texte, T., Simonetto, E., Durand, S., Melon, M., Moulet, M.H.	Estimation of the uncertainties of a method of measuring vibration deformations by 3D vision	image processing, photogrammetry, ultra-fast camera, vibrations	16, 1-4, 71-95	https://doi.org/10.3166/2m.16.1-4.71-95	Durand-Texte, T., Simonetto, E., Durand, S., Melon, M., Moulet, M.H. (2017). Estimation of the uncertainties of a method of measuring vibration deformations by 3D vision. <i>Instrumentation Mesure Métrologie</i> , Vol. 16, No. 1-4, pp. 71-95. https://doi.org/10.3166/2m.16.1-4.71-95
224	Guyard, R., Leduc, D., Lecieux, Y., Lupi, C., Potet, J., Beaucé, J., Douay, M., Lablonde, L.	Response of fiber Bragg gratings with curvature	bending, fiber bragg gratings	16, 1-4, 97-114	https://doi.org/10.3166/2m.16.1-4.97-114	Guyard, R., Leduc, D., Lecieux, Y., Lupi, C., Potet, J., Beaucé, J., Douay, M., Lablonde, L. (2017). Response of fiber Bragg gratings with curvature. <i>Instrumentation Mesure Métrologie</i> , Vol. 16, No. 1-4, pp. 97-114. https://doi.org/10.3166/2m.16.1-4.97-114
225	Gauthier, T., Weidner, S., Martinez, B.	Pressure measurements using pressure sensitive paint in supersonic flow	base, des, expansion, experimental, fins, numerical simulation, paint, pressure, pressure sensitive paint, recirculation, spin, supersonic flow, wake, wind-tunnel	16, 1-4, 115-141	https://doi.org/10.3166/2m.16.1-4.115-141	Gauthier, T., Weidner, S., Martinez, B. (2017). Pressure measurements using pressure sensitive paint in supersonic flow. <i>Instrumentation Mesure Métrologie</i> , Vol. 16, No. 1-4, pp. 115-141. https://doi.org/10.3166/2m.16.1-4.115-141
226	Piombini, H., Boscher, C., Barre, A.-L., Avicé, J.	Identification of crazing in sol-gel thin layers	diffusion measurement, image analysis, microscopy, sol-gel, thin films	16, 1-4, 143-164	https://doi.org/10.3166/2m.16.1-4.143-164	Piombini, H., Boscher, C., Barre, A.-L., Avicé, J. (2017). Identification of crazing in sol-gel thin layers. <i>Instrumentation Mesure Métrologie</i> , Vol. 16, No. 1-4, pp. 143-164. https://doi.org/10.3166/2m.16.1-4.143-164
227	Boscher, C., Avicé, J., Belleville, P., Piombini, H., Vallé, K.	Study of the Sol-gel thin-film ammonia curing process	ammonia, antireflective, curing, silica, SOL-GEL	16, 1-4, 165-174	https://doi.org/10.3166/2m.16.1-4.165-174	Boscher, C., Avicé, J., Belleville, P., Piombini, H., Vallé, K. (2017). Study of the Sol-gel thin-film ammonia curing process. <i>Instrumentation Mesure Métrologie</i> , Vol. 16, No. 1-4, pp. 165-174. https://doi.org/10.3166/2m.16.1-4.165-174
228	Avicé, J., Vaudel, G., Boscher, C., Belleville, P., Gusev, V., Brotons, G., Piombini, H., Ruello, P.	Probing elastic properties of nanostructured materials by picosecond acoustics	antireflective, hardening, non destructive testing, picosecond acoustics	16, 1-4, 175-182	https://doi.org/10.3166/2m.16.1-4.175-182	Avicé, J., Vaudel, G., Boscher, C., Belleville, P., Gusev, V., Brotons, G., Piombini, H., Ruello, P. (2017). Probing elastic properties of nanostructured materials by picosecond acoustics. <i>Instrumentation Mesure Métrologie</i> , Vol. 16, No. 1-4, pp. 175-182. https://doi.org/10.3166/2m.16.1-4.175-182
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231	Fdida, N., Mauriot, Y., Vingert, L., Nugue, M.	A drop-sizing method by imaging of a two-phase cryogenic flow	cryogenic flows, drop-sizing, shadowgraphy, two phase flows, velocimetry	16, 1-4, 229-253	https://doi.org/10.3166/2m.16.1-4.229-253	Fdida, N., Mauriot, Y., Vingert, L., Nugue, M. (2017). A drop-sizing method by imaging of a two-phase cryogenic flow. <i>Instrumentation Mesure Métrologie</i> , Vol. 16, No. 1-4, pp. 229-253. https://doi.org/10.3166/2m.16.1-4.229-253
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