

No.	Co-authors	Article title	Keywords	Vol., No., pp.	DOI	Citation
1	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
2	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
3	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
4	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
5	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
6	Abid, M.A., Mousa, A.	Satellite differential code bias estimated using EGYNET: A local Egyptian permanent network	satellite differential code bias, globe 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
7	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
8	Bezari, S., Bekkouche, S.M.E.A., Benchatti, A., Adda, A., Boutelhig, A.	Effects of the rock-bed heat storage system on the solar greenhouse microclimate	greenhouse, measurement, microclimate, rock-bed, solar heating system	19, 6, 471-479	https://doi.org/10.18280/i2m.190608	Bezari, S., Bekkouche, S.M.E.A., Benchatti, A., Adda, A., Boutelhig, A. (2020). Effects of the rock-bed heat storage system on the solar greenhouse microclimate. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 6, pp. 471-479. https://doi.org/10.18280/i2m.190608
9	Elthahmy, 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	Elthahmy, 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
10	Syed, M., Dubey, M.K.	Software-fault mitigation for derivation of quality of services (QoS) in wireless sensor networks (WSN)	wireless sensor networks, permanent fault, fault diagnosis, transient fault, quality of services (QoS)	19, 5, 327-336	https://doi.org/10.18280/i2m.190502	Syed, M., Dubey, M.K. (2020). Software-fault mitigation for derivation of quality of services (QoS) in wireless sensor networks (WSN). <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 5, pp. 327-336. https://doi.org/10.18280/i2m.190502
11	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/i2m.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/i2m.190503
12	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/i2m.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/i2m.190504
13	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/i2m.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/i2m.190505
14	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/i2m.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/i2m.190506
15	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/i2m.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/i2m.190507
16	Gao, Y.H., Lou, W.D., Lu, H.L.	A reconfigurable graphene nanoantenna on quartz substrate	terahertz (THz), graphene, nanoantenna, reconfigurable, miniaturized	19, 5, 379-383	https://doi.org/10.18280/i2m.190508	Gao, Y.H., Lou, W.D., Lu, H.L. (2020). A reconfigurable graphene nanoantenna on quartz substrate. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 5, pp. 379-383. https://doi.org/10.18280/i2m.190508
17	Kharb, S.S., Belokar, R.M., Kant, S., Sharma, M.	Measurement of handgrip strength of North Indian male farmers and its implications in design of farm equipment	isometric handgrip strength, musculoskeletal disorders, anthropometry, manual tools	19, 5, 385-389	https://doi.org/10.18280/i2m.190509	Kharb, S.S., Belokar, R.M., Kant, S., Sharma, M. (2020). Measurement of handgrip strength of North Indian male farmers and its implications in design of farm equipment. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 5, pp. 385-389. https://doi.org/10.18280/i2m.190509
18	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/i2m.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/i2m.190510
19	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/i2m.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/i2m.190511
20	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/i2m.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/i2m.190401

21	Lakhlef, N., Oudira, O., Dumond, C.	Optimal pattern synthesis of linear antenna arrays using modified grey wolf optimization algorithm	array factor, MGWO, optimization, printed linear antenna array, synthesis	19, 4, 255-261	https://doi.org/10.18280/i2m.190402	Lakhlef, N., Oudira, O., Dumond, C. (2020). Optimal pattern synthesis of linear antenna arrays using modified grey wolf optimization algorithm. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 4, pp. 255-261. https://doi.org/10.18280/i2m.190402
22	Arunachalam, M., Mondal, C., Karmakar, S.	Field measurement of the motorcycle's key dimensions using simple method and in-house fabricated instrument	design, human factors, innovation, motorcycle simulator, measurement, dimensional database	19, 4, 263-272	https://doi.org/10.18280/i2m.190403	Arunachalam, M., Mondal, C., Karmakar, S. (2020). Field measurement of the motorcycle's key dimensions using simple method and in-house fabricated instrument. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 4, pp. 263-272. https://doi.org/10.18280/i2m.190403
23	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/i2m.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/i2m.190404
24	Zahra, T., Mourad, L.M., Ahmed, A.H.	Robust fuzzy sliding mode observer for faults detection in solar power plant application	fault diagnosis, fuzzy sliding mode observer, LMI, solar power plant, Takagi-Sugeno	19, 4, 281-287	https://doi.org/10.18280/i2m.190405	Zahra, T., Mourad, L.M., Ahmed, A.H. (2020). Robust fuzzy sliding mode observer for faults detection in solar power plant application. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 4, pp. 281-287. https://doi.org/10.18280/i2m.190405
25	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/i2m.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/i2m.190406
26	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/i2m.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/i2m.190407
27	Wang, J.C., Jiang, T., Shen, J.Q., Dai, J.H., Pan, Z.Q., Deng, X.L.	Thermal error compensation of spindle system of computer numerically controlled machine tools through experiments and modeling	computer numerically controlled (CNC) machine tool, spindle, thermal error compensation (TEC), particle swarm optimization (PSO), backpropagation neural network (BPNN), prediction accuracy	19, 4, 301-309	https://doi.org/10.18280/i2m.190408	Wang, J.C., Jiang, T., Shen, J.Q., Dai, J.H., Pan, Z.Q., Deng, X.L. (2020). Thermal error compensation of spindle system of computer numerically controlled machine tools through experiments and modeling. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 4, pp. 301-309. https://doi.org/10.18280/i2m.190408
28	Mariam, H., Poulichet, 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., Poulichet, 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
29	Le Menn, M., Morvan, S.	Perfecting of a calibration bed for current profilers	current meter, current profiler, Doppler effect, test, calibration, velocity measurement, oceanography, hydrology	19, 3, 179-184	https://doi.org/10.18280/i2m.190302	Le Menn, M., Morvan, S. (2020). Perfecting of a calibration bed for current profilers. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 3, pp. 179-184. https://doi.org/10.18280/i2m.190302
30	Ligot, D., Marguet, C., Favre, B., Messaoudi, B., Gervasoni, D., Litaudon, 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., Litaudon, 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
31	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
32	Ndao, S., Duquenooy, M., Courtois, C., Ouafouh, M., Rguini, M., Smagin, N., Rivart, F., Gonon, M., Martic, F., Pélegrin, C., Jenot, F.	Development of ultrasonic surface acoustic wave humidity sensors	humidity sensor, SAW sensor, ultrasonic sensor, interdigital sensor, surface acoustic wave	19, 3, 205-210	https://doi.org/10.18280/i2m.190305	Ndao, S., Duquenooy, M., Courtois, C., Ouafouh, M., Rguini, M., Smagin, N., Rivart, F., Gonon, M., Martic, F., Pélegrin, C., Jenot, F. (2020). Development of ultrasonic surface acoustic wave humidity sensors. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 3, pp. 205-210. https://doi.org/10.18280/i2m.190305
33	Wang, X.S., Khan, I., Zhang, M., Llaser, N.	Optimized design of a driver circuit for an ultrasound transducer for medical applications	HIFU, auto-tuning, ultrasound transducer, cancer treatment, ablation therapy	19, 3, 211-219	https://doi.org/10.18280/i2m.190306	Wang, X.S., Khan, I., Zhang, M., Llaser, N. (2020). Optimized design of a driver circuit for an ultrasound transducer for medical applications. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 3, pp. 211-219. https://doi.org/10.18280/i2m.190306
34	Zhou, K., Bouriat, P., Hobeika, N., Touil, A., Ranchou-Peyruse, A., Broseta, D., Brown, R.	Small but powerful optically: Glass microcapillaries for studying complex fluids or biological systems with submicrolitre samples under harsh conditions	glass capillary, microfluidics, thin films, contact angle, extremophiles, optical microscopy, high pressure, refractive index	19, 3, 221-227	https://doi.org/10.18280/i2m.190307	Zhou, K., Bouriat, P., Hobeika, N., Touil, A., Ranchou-Peyruse, A., Broseta, D., Brown, R. (2020). Small but powerful optically: Glass microcapillaries for studying complex fluids or biological systems with submicrolitre samples under harsh conditions. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 3, pp. 221-227. https://doi.org/10.18280/i2m.190307
35	Zacharie, C., Schick, V., Remy, B., Bergin, G., Mazet, T., Egal, R.	Identification of transfer functions in a vacuum brazed load with ARX models	heat transfer, system identification, transfer functions, ARX models, vacuum brazing	19, 3, 229-234	https://doi.org/10.18280/i2m.190308	Zacharie, C., Schick, V., Remy, B., Bergin, G., Mazet, T., Egal, R. (2020). Identification of transfer functions in a vacuum brazed load with ARX models. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 3, pp. 229-234. https://doi.org/10.18280/i2m.190308
36	Drochon, A., Anselmi, A., Corbineau, H., Verhoye, J.	Quantification of collateral flows in patients with severe coronaropathies	coronary artery, bypass grafts, flow and pressure measurements, hydraulic-electric analogy, Matlab simulations	19, 3, 235-241	https://doi.org/10.18280/i2m.190309	Drochon, A., Anselmi, A., Corbineau, H., Verhoye, J. (2020). Quantification of collateral flows in patients with severe coronaropathies. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 3, pp. 235-241. https://doi.org/10.18280/i2m.190309
37	Gundabattini, E., Masselli, C., Gnanaraj, D.S., Tadikonda, S., Karnati, V., Vemireddy, V.K.	Improving the energy performances of the refrigeration systems with subcooling using the eco-friendly refrigerant r600a: Initial experimental results	refrigeration, R134a, R600a, hydrocarbons, subcooling, drop-in, cooling systems, GWP	19, 2, 73-81	https://doi.org/10.18280/i2m.190201	Gundabattini, E., Masselli, C., Gnanaraj, D.S., Tadikonda, S., Karnati, V., Vemireddy, V.K. (2020). Improving the energy performances of the refrigeration systems with subcooling using the eco-friendly refrigerant r600a: Initial experimental results. <i>Instrumentation Mesure Métrologie</i> , Vol. 19, No. 2, pp. 73-81. https://doi.org/10.18280/i2m.190201
38	El Yassini, A., Ali Jallal, M., Ibyaich, S., Zerroual, 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., Ibyaich, S., Zerroual, 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
39	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
40	Adegoke, 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	Adegoke, 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
41	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

42	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/10.18280/2m.190206	Chabane, F., Arif, A., Benramache, S. (2020). The estimate of aerosol optical depth for diverse meteorological conditions. <i>Instrumentation Measure Métrologie</i> , Vol. 19, No. 2, pp. 119-123. https://doi.org/10.18280/2m.190206
43	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/10.18280/2m.190207	Zhang, F., Fu, G.C. (2020). Evaluation of compaction quality of earth-rock composite foundation through measurement by additional mass method. <i>Instrumentation Measure Métrologie</i> , Vol. 19, No. 2, pp. 125-131. https://doi.org/10.18280/2m.190207
44	Venkataraman, A.P., Veerapathran, V., Girirajkumar, S.M.	Error recursion reduction computational technique based control system design for a multivariable process	model identification, measurement, control, error minimization computational algorithm, ERRC, PSO	19, 2, 133-140	https://doi.org/10.18280/2m.190208	Venkataraman, A.P., Veerapathran, V., Girirajkumar, S.M. (2020). Error recursion reduction computational technique based control system design for a multivariable process. <i>Instrumentation Measure Métrologie</i> , Vol. 19, No. 2, pp. 133-140. https://doi.org/10.18280/2m.190208
45	Yu, Z.G., Huang, G.M., Zhang, C.X.	Monitoring and characterization of surface deformation after the closure of coal mines based on small baseline interferometric synthetic aperture radar	coastline, surface deformation, settlement, uplift, time series, interferometric synthetic aperture radar (InSAR)	19, 2, 141-150	https://doi.org/10.18280/2m.190209	Yu, Z.G., Huang, G.M., Zhang, C.X. (2020). Monitoring and characterization of surface deformation after the closure of coal mines based on small baseline interferometric synthetic aperture radar. <i>Instrumentation Measure Métrologie</i> , Vol. 19, No. 2, pp. 141-150. https://doi.org/10.18280/2m.190209
46	Chellappan, K., Sathiseelan, 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/10.18280/2m.190210	Chellappan, K., Sathiseelan, 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/10.18280/2m.190210
47	Li, X.B., Guo, J., Shao, M.D., Li, Y.P., Wu, Q.W.	Pose adjustment capability of secondary mirror in correcting gravity deformation of large aperture remote sensor	large aperture, gravity deformation, misalignment-induced aberration, secondary mirror, pose adjustment	19, 2, 161-168	https://doi.org/10.18280/2m.190211	Li, X.B., Guo, J., Shao, M.D., Li, Y.P., Wu, Q.W. (2020). Pose adjustment capability of secondary mirror in correcting gravity deformation of large aperture remote sensor. <i>Instrumentation Measure Métrologie</i> , Vol. 19, No. 2, pp. 161-168. https://doi.org/10.18280/2m.190211
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49	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/10.18280/2m.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/10.18280/2m.190102
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54	Khalidi, K., Sam, S., Gabouze, N.	Acetylcholinesterase modified porous silicon for electrochemical measurement of total active immobilized enzyme amount and effective malathion detection	biosensors, porous materials, amperometric, acetylcholinesterase, boron doped diamant	19, 1, 51-57	https://doi.org/10.18280/2m.190107	Khalidi, K., Sam, S., Gabouze, N. (2020). Acetylcholinesterase modified porous silicon for electrochemical measurement of total active immobilized enzyme amount and effective malathion detection. <i>Instrumentation Measure Métrologie</i> , Vol. 19, No. 1, pp. 51-57. https://doi.org/10.18280/2m.190107
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64	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 Measure Métrologie</i> , Vol. 18, No. 6, pp. 567-575. https://doi.org/10.18280/2m.180608
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85	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
86	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 (n con), 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
87	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
88	Mediani, A., Mouggar, 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., Mouggar, 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
89	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 (3AT), 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
90	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
91	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
92	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
93	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
94	Liu, X., Qiao, X., Shi, X.D., Liu, Q.M., Shi, Y.G.	A novel apple size and surface quality detection and grading system	Lab-VIEW, 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
95	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/10.18280/2m.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/10.18280/2m.180303
96	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/10.18280/2m.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/10.18280/2m.180304
97	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/10.18280/2m.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/10.18280/2m.180305
98	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 (SP2E), navigation accuracy	18, 3, 267-273	https://doi.org/10.18280/2m.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/10.18280/2m.180306
99	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/10.18280/2m.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/10.18280/2m.180307
100	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/10.18280/2m.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/10.18280/2m.180308
101	Cui, Z., Wang, Y.X.	Denoising 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/10.18280/2m.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/10.18280/2m.180309
102	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/10.18280/2m.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/10.18280/2m.180310
103	Hanan, Gunawan, A.A.N., Sumadiyasa, 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/10.18280/2m.180311	Hanan, Gunawan, A.A.N., Sumadiyasa, 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/10.18280/2m.180311
104	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/10.18280/2m.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/10.18280/2m.180312

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106	Kherrou, S., Bouhdjar, A., Hanini, S., Boualit, A., Lahmi, 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/10.18280/2m.180201	Kherrou, S., Bouhdjar, A., Hanini, S., Boualit, A., Lahmi, D. (2019). Numerical study of a longitudinal solar dryer in semi-arid area; Case study. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 95-103. https://doi.org/10.18280/2m.180201
107	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/10.18280/2m.180202	Deng, K., Chen, L., Li, W.P. (2019). An overlapping community detection algorithm with label propagation control for complex networks. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 105-109. https://doi.org/10.18280/2m.180202
108	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/10.18280/2m.180203	Sura, P.R., Reddy, S.N. (2019). Medical plus shaped antenna for S, C, X and ku band applications. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 111-114. https://doi.org/10.18280/2m.180203
109	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/10.18280/2m.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 Measure Metrologie</i> , Vol. 18, No. 2, pp. 115-121. https://doi.org/10.18280/2m.180204
110	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/10.18280/2m.180205	Younes, T.M., AlKhedher, M.A., Shgier, K.A., Al Taweel, F. (2019). U-shape acoustic liquid densitometer. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 123-128. https://doi.org/10.18280/2m.180205
111	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/10.18280/2m.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 Measure Metrologie</i> , Vol. 18, No. 2, pp. 129-135. https://doi.org/10.18280/2m.180206
112	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/10.18280/2m.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/10.18280/2m.180207
113	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/10.18280/2m.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/10.18280/2m.180208
114	Kumar, R.V.K., Naik, G.M., Murali, G.	Wireless nano sensor network (wnsn) 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/10.18280/2m.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/10.18280/2m.180209
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117	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/10.18280/2m.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/10.18280/2m.180212
118	Qin, J.L., Shang, S.P.	Laboratory acoustic measurement of procenterum donghaiense concentrations	backscattering, concentration measurement, Integrated Backscatter Strength Power (IBS), Procenterum Donghaiense (p. Donghaiense), ultrasound	18, 2, 181-188	https://doi.org/10.18280/2m.180213	Qin, J.L., Shang, S.P. (2019). Laboratory acoustic measurement of procenterum donghaiense concentrations. <i>Instrumentation Measure Metrologie</i> , Vol. 18, No. 2, pp. 181-188. https://doi.org/10.18280/2m.180213
119	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/10.18280/2m.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/10.18280/2m.180214
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121	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/10.18280/2m.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/10.18280/2m.180216
122	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/10.18280/2m.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/10.18280/2m.180217
123	Amin, B., Djamilia, 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/10.18280/2m.180101	Amin, B., Djamilia, 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/10.18280/2m.180101
124	Suneetha, A.R.V.N., Narasimharreddy, 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/10.18280/2m.180102	Suneetha, A.R.V.N., Narasimharreddy, 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/10.18280/2m.180102
125	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/10.18280/2m.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/10.18280/2m.180103

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127	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
128	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
129	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/i2m.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/i2m.180107
130	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/i2m.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/i2m.180108
131	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/i2m.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/i2m.180109
132	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/i2m.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/i2m.180110
133	Ouarhrent, 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/i2m.180111	Ouarhrent, 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/i2m.180111
134	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/i2m.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/i2m.180112
135	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/i2m.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/i2m.180113
136	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/i2m.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/i2m.180114
137	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
138	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
139	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
140	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
141	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
142	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
143	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
144	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
145	Elembaby, 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	Elembaby, 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
146	Elembaby, 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 Measure Metrologie</i> , Vol. 17, No. 4, pp. 663-674. https://doi.org/10.3166/I2M.17.663-674

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148	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
149	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
150	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
151	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
152	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
153	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
154	Alkhalafji, 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	Alkhalafji, 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
155	Naceur, R., Abbas, A.O., Bezzerrouk, M.A., Bousmaha, M., Akriche, A., Djakhdane, 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., Djakhdane, 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
156	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
157	Chabane, F., Moumni, 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., Moumni, 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
158	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
159	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
160	Dahham, R.Y., Alkhalafji, 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, fluid - static tube, velocity profile, flitot-structure interface, forced vibration and flow-induced vibration	17, 2, 235-257	https://doi.org/10.3166/I2M.17.235-257	Dahham, R.Y., Alkhalafji, 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
161	Chen, Y.Z.	Evaluation of technological progress and technical efficiency based on sequential data development analysis and Malmquist index decomposition	total factor productivity, sequential data development analysis, Malmquist index decomposition, 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
162	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
163	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
164	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
165	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
166	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
167	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

168	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
169	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
170	Bouzid, S., Harmane, 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., Harmane, 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
171	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
172	Benmenine, 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	Benmenine, 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
173	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, Nürbs 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
174	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
175	Tirono, M., Suhariningsih, 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., Suhariningsih, 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
176	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
177	Marreiro, A., Beaumont, F., Taiar, R., Poldori, 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., Taiar, R., Poldori, 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
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179	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
180	Carré, C., Ley, C., Allonas, X.	Comparison of different photopolymerizable systems for holographic recording	data storage, holographic grating, photopolymerization, photosensitizer	16, 1-4, 61-70	https://doi.org/10.3166/I2M.16.1-4.61-70	Carré, C., Ley, C., Allonas, X. (2017). Comparison of different photopolymerizable systems for holographic recording. <i>Instrumentation Mesure Métrologie</i> , Vol. 16, No. 1-4, pp. 61-70. https://doi.org/10.3166/I2M.16.1-4.61-70
181	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/I2M.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/I2M.16.1-4.71-95
182	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/I2M.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/I2M.16.1-4.97-114
183	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/I2M.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/I2M.16.1-4.115-141
184	Piombini, H., Boscher, C., Barre, A.-L., Avice, 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/I2M.16.1-4.143-164	Piombini, H., Boscher, C., Barre, A.-L., Avice, 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/I2M.16.1-4.143-164
185	Boscher, C., Avice, 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/I2M.16.1-4.165-174	Boscher, C., Avice, 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/I2M.16.1-4.165-174
186	Avice, 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/I2M.16.1-4.175-182	Avice, 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/I2M.16.1-4.175-182
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189	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/im.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/im.16.1-4.229-253
190	Matwyschuk, A.	Multiple-wavelengths range-gated active imaging principle for 3D imaging	3D imaging, active imaging, laser pulse, multiple-wavelength, range-gating	16, 1-4, 255-260	https://doi.org/10.3166/im.16.1-4.255-260	Matwyschuk, A. (2017). Multiple-wavelengths range-gated active imaging principle for 3D imaging. <i>Instrumentation Mesure Métrologie</i> , Vol. 16, No. 1-4, pp. 255-260. https://doi.org/10.3166/im.16.1-4.255-260
191	Jovancevic, I., Pham, H.H., Orteu, J.J., Gilblas, R., Harvent, J., Maurice, X., Brèthes, L.	Detection and characterization of surface defects based on the analysis of 3D point clouds provided by a scanner	inspection surface defects 3D point clouds 3D scanner	16, 1-4, 261-282	https://doi.org/10.3166/im.16.1-4.261-282	Jovancevic, I., Pham, H.H., Orteu, J.J., Gilblas, R., Harvent, J., Maurice, X., Brèthes, L. (2017). Detection and characterization of surface defects based on the analysis of 3D point clouds provided by a scanner. <i>Instrumentation Mesure Métrologie</i> , Vol. 16, No. 1-4, pp. 261-282. https://doi.org/10.3166/im.16.1-4.261-282