

No.	Co-authors	Article title	Keywords	Vol., No., pp.	DOI	Citation
1	Campagnoli, E., Desando, A.	Validation of a CFD model of a labyrinth seal for low pressure turbines using a fluid-thermal tool tuned through experimental measurements	Turbomachinery, Labyrinth Seals, Leakages, Thermal and Fluid Models, Test Rig	18, 6, 509-516	10.18280/2m.180601	Campagnoli, E., Desando, A. (2019). Validation of a CFD model of a labyrinth seal for low pressure turbines using a fluid-thermal tool tuned through experimental measurements. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 6, pp. 509-516. https://doi.org/10.18280/2m.180601
2	Vovna, O., Laktionov, I., Andrieieva, A., Petelin, E., Shtepa, O., Laktionova, H.	Optimized calibration method for analog parametric temperature sensors	Calibration Model, Thermistor Conversion Characteristic, Measurement Error, Approximation Function	18, 6, 517-526	10.18280/2m.180602	Vovna, O., Laktionov, I., Andrieieva, A., Petelin, E., Shtepa, O., Laktionova, H. (2019). Optimized calibration method for analog parametric temperature sensors. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 6, pp. 517-526. https://doi.org/10.18280/2m.180602
3	Yan, Y., Wu, Z.Y., Wu, X.T., Zhou, X.L., Weng, C.X.	A Linux-based integrated structural health monitoring system for bridges in remote regions	Structural Health Monitoring (SHM), Linux, Opensource, Integrated Design	18, 6, 527-534	10.18280/2m.180603	Yan, Y., Wu, Z.Y., Wu, X.T., Zhou, X.L., Weng, C.X. (2019). A Linux-based integrated structural health monitoring system for bridges in remote regions. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 6, pp. 527-534. https://doi.org/10.18280/2m.180603
4	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	10.18280/2m.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 Mesure Métrologie</i> , Vol. 18, No. 6, pp. 535-545. https://doi.org/10.18280/2m.180604
5	Wang, Y.N., Yang, Y.M., Zhang, P.Y., Zhang, X.	A human attitude solving algorithm based on fuzzy proportional-integral-derivative controller and complementary filter	Attitude Solution, Quaternion, Complementary Filter, Fuzzy Proportional-Integral-Derivative (PID) Controller	18, 6, 547-552	10.18280/2m.180605	Wang, Y.N., Yang, Y.M., Zhang, P.Y., Zhang, X. (2019). A human attitude solving algorithm based on fuzzy proportional-integral-derivative controller and complementary filter. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 6, pp. 547-552. https://doi.org/10.18280/2m.180605
6	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	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
7	Cholker, A.K., Kavyateja, 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	10.18280/2m.180607	Cholker, A.K., Kavyateja, 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
8	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	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
9	Zhu, X.J., Jiang, Z., Zhao, X.B., Zhang, M.J., Chen, X.F.	A novel fuzzy fusion algorithm of multi-sensor data and its application in coalmine gas monitoring	Gas Monitoring, Fuzzy Comprehensive Evaluation (FCE), Multi-Sensor Data Fusion, Prewarning	18, 6, 577-582	10.18280/2m.180609	Zhu, X.J., Jiang, Z., Zhao, X.B., Zhang, M.J., Chen, X.F. (2019). A novel fuzzy fusion algorithm of multi-sensor data and its application in coalmine gas monitoring. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 6, pp. 577-582. https://doi.org/10.18280/2m.180609
10	Sundararaman, 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	10.18280/2m.180610	Sundararaman, 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
11	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	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
12	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	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
13	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	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
14	Cucumo, M.A., Ferraro, V., Galloro, A., Gullò, D., Kaliakatos, D., Nicoletti, F.	Parametric CFD analysis for the evaluation of evaporative cooler performances	Air Cooler, Water Spray System, CFD Simulation, Evaporative Cooler, Droplet Size, Nozzle Arrangement	18, 5, 427-434	10.18280/2m.180501	Cucumo, M.A., Ferraro, V., Galloro, A., Gullò, D., Kaliakatos, D., Nicoletti, F. (2019). Parametric CFD analysis for the evaluation of evaporative cooler performances. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 5, pp. 427-434. https://doi.org/10.18280/2m.180501
15	Song, B., Li, S.L., Tan, M., Zhong, W.	An adaptive approach for ultra-wideband positioning in complex environment	Ultra-Wideband (UWB) Positioning, Non-Line-Of-Sight (NLOS) Ranging Error, Fuzzy Gaussian Process Regression (F-GPR), Moment-Based Imbalanced Binary Classification (MIBC)	18, 5, 435-443	10.18280/2m.180502	Song, B., Li, S.L., Tan, M., Zhong, W. (2019). An adaptive approach for ultra-wideband positioning in complex environment. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 5, pp. 435-443. https://doi.org/10.18280/2m.180502
16	Khantach, A.E., Hamlich, M., Belbouguia, 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	10.18280/2m.180503	Khantach, A.E., Hamlich, M., Belbouguia, 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
17	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	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
18	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	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
19	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	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
20	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	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
21	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	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
22	Mihoub, R., Amroune, A., Bekkouche, S.M.E.A., Djeflal, R., Benkhelifa, A.	A novel temperature estimation model for limestone soil	Limestone Soil, Temperature, Solar Radiation, Estimation	18, 5, 491-496	10.18280/2m.180509	Mihoub, R., Amroune, A., Bekkouche, S.M.E.A., Djeflal, R., Benkhelifa, A. (2019). A novel temperature estimation model for limestone soil. <i>Instrumentation Mesure Métrologie</i> , Vol. 18, No. 5, pp. 491-496. https://doi.org/10.18280/2m.180509

23	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	10.18280/i2m.180510	Yuan, H.B. (2019). Development and application of a modular automobile wheel measuring instrument. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 5, pp. 497-502. https://doi.org/10.18280/i2m.180510
24	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	10.18280/i2m.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 Measure Métrologie</i> , Vol. 18, No. 5, pp. 503-508. https://doi.org/10.18280/i2m.180511
25	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	10.18280/i2m.180401	Mutani, G., Todeschi, V., Matsuo, K. (2019). Urban heat island mitigation: A GIS-based model for Hiroshima. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 4, pp. 323-335. https://doi.org/10.18280/i2m.180401
26	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	10.18280/i2m.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 Measure Métrologie</i> , Vol. 18, No. 4, pp. 337-342. https://doi.org/10.18280/i2m.180402
27	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	10.18280/i2m.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 Measure Métrologie</i> , Vol. 18, No. 4, pp. 343-352. https://doi.org/10.18280/i2m.180403
28	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	10.18280/i2m.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 Measure Métrologie</i> , Vol. 18, No. 4, pp. 353-359. https://doi.org/10.18280/i2m.180404
29	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	10.18280/i2m.180405	Ye, Z.X., Zhang, Y., Zou, J.F., Zheng, Y. (2019). Tunnel measurement of riblet drag reduction. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 4, pp. 361-367. https://doi.org/10.18280/i2m.180405
30	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	10.18280/i2m.180406	Touahria, A., Bougriou, C. (2019). Numerical investigation of a new ventilation-radiator. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 4, pp. 369-380. https://doi.org/10.18280/i2m.180406
31	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	10.18280/i2m.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 Measure Métrologie</i> , Vol. 18, No. 4, pp. 381-388. https://doi.org/10.18280/i2m.180407
32	Mediani, A., Mouggar, H., Larbi, A.A., Loumani, A., Chaouch, W.B., Djaber, A., Tigan, 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	10.18280/i2m.180408	Mediani, A., Mouggar, H., Larbi, A.A., Loumani, A., Chaouch, W.B., Djaber, A., Tigan, C., Benatallah, A. (2019). The isothermal sorption measurement and the isosteric heats determinations for the South Algerian date varieties. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 4, pp. 389-396. https://doi.org/10.18280/i2m.180408
33	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	10.18280/i2m.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 Measure Métrologie</i> , Vol. 18, No. 4, pp. 397-406. https://doi.org/10.18280/i2m.180409
34	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	10.18280/i2m.180410	Maheshan, C.M., Kumar, H.P. (2019). Image enhancement of transformer oil images using improved complex shock filter. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 4, pp. 407-412. https://doi.org/10.18280/i2m.180410
35	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	10.18280/i2m.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 Measure Métrologie</i> , Vol. 18, No. 4, pp. 413-419. https://doi.org/10.18280/i2m.180411
36	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	10.18280/i2m.180412	Wang, C.F. (2019). Comparative analysis on influencing factors of alignment monitoring between continuous rigid-frame bridge and continuous girder bridge. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 4, pp. 421-425. https://doi.org/10.18280/i2m.180412
37	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	10.18280/i2m.180301	Jagtap, H.P., Bewoor, A., Kumar, R. (2019). Thermal power plant condenser fault diagnosis using coordinated condition monitoring approach. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 3, pp. 223-235. https://doi.org/10.18280/i2m.180301
38	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	10.18280/i2m.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 Measure Métrologie</i> , Vol. 18, No. 3, pp. 237-242. https://doi.org/10.18280/i2m.180302
39	Ouarhlem, 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	10.18280/i2m.180303	Ouarhlem, F., Soudani, A. (2019). Numerical study of the effect of permeability in a partially porous medium. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 3, pp. 243-248. https://doi.org/10.18280/i2m.180303
40	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	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 Measure Métrologie</i> , Vol. 18, No. 3, pp. 249-255. https://doi.org/10.18280/i2m.180304
41	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	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 Measure Métrologie</i> , Vol. 18, No. 3, pp. 257-265. https://doi.org/10.18280/i2m.180305
42	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	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 Measure Métrologie</i> , Vol. 18, No. 3, pp. 267-273. https://doi.org/10.18280/i2m.180306
43	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	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 Measure Métrologie</i> , Vol. 18, No. 3, pp. 275-280. https://doi.org/10.18280/i2m.180307
44	Ouddi, 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	10.18280/i2m.180308	Ouddi, 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 Measure Métrologie</i> , Vol. 18, No. 3, pp. 281-287. https://doi.org/10.18280/i2m.180308

45	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	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 Measure Métrologie</i> , Vol. 18, No. 3, pp. 289-295. https://doi.org/10.18280/2m.180309
46	Larbi, A.A., Loumani, A., Mediani, A., Bennaecur, 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	10.18280/2m.180310	Larbi, A.A., Loumani, A., Mediani, A., Bennaecur, S., Tigani, C. (2019). Experimental measurement of moisture sorption isotherms and isosteric heat of palm hearts (Jomare) harvested in the Algerian Sahara. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 3, pp. 297-304. https://doi.org/10.18280/2m.180310
47	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	10.18280/2m.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 Measure Métrologie</i> , Vol. 18, No. 3, pp. 305-309. https://doi.org/10.18280/2m.180311
48	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	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 Measure Métrologie</i> , Vol. 18, No. 3, pp. 311-316. https://doi.org/10.18280/2m.180312
49	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	10.18280/2m.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 Measure Métrologie</i> , Vol. 18, No. 3, pp. 317-322. https://doi.org/10.18280/2m.180313
50	Kherrou, S., Bouhdjar, 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	10.18280/2m.180201	Kherrou, S., Bouhdjar, A., Hanini, S., Boualit, A., Lalmi, D. (2019). Numerical study of a longitudinal solar dryer in semi-arid area; Case study. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 2, pp. 95-103. https://doi.org/10.18280/2m.180201
51	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	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 Métrologie</i> , Vol. 18, No. 2, pp. 105-109. https://doi.org/10.18280/2m.180202
52	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	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 Métrologie</i> , Vol. 18, No. 2, pp. 111-114. https://doi.org/10.18280/2m.180203
53	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	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 Métrologie</i> , Vol. 18, No. 2, pp. 115-121. https://doi.org/10.18280/2m.180204
54	Younes, T.M., Alkhdher, M.A., Shgier, K.A., Al Taweel, F.	U-shape acoustic liquid densitometer	Acoustic, Densitometer, Hydrostatic, Resonance, Standing Wave	18, 2, 123-128	10.18280/2m.180205	Younes, T.M., Alkhdher, M.A., Shgier, K.A., Al Taweel, F. (2019). U-shape acoustic liquid densitometer. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 2, pp. 123-128. https://doi.org/10.18280/2m.180205
55	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	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 Métrologie</i> , Vol. 18, No. 2, pp. 129-135. https://doi.org/10.18280/2m.180206
56	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	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 Métrologie</i> , Vol. 18, No. 2, pp. 137-146. https://doi.org/10.18280/2m.180207
57	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	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 Métrologie</i> , Vol. 18, No. 2, pp. 147-151. https://doi.org/10.18280/2m.180208
58	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	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 Métrologie</i> , Vol. 18, No. 2, pp. 153-158. https://doi.org/10.18280/2m.180209
59	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	10.18280/2m.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 Métrologie</i> , Vol. 18, No. 2, pp. 159-164. https://doi.org/10.18280/2m.180210
60	Tayoub, H., Hocini, A., Harbouz, 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	10.18280/2m.180211	Tayoub, H., Hocini, A., Harbouz, A. (2019). Mid-infrared refractive index sensor based on a 2d photonic crystal coupled cavity-two waveguides. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 2, pp. 165-169. https://doi.org/10.18280/2m.180211
61	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	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 Métrologie</i> , Vol. 18, No. 2, pp. 171-180. https://doi.org/10.18280/2m.180212
62	Qin, J.L., Shang, S.P.	Laboratory acoustic measurement of prorocentrum donghaiense concentrations	Backscattering, Concentration Measurement, Integrated Backscatter Strength Power (IBS), Prorocentrum Donghaiense (p. Donghaiense), Ultrasound	18, 2, 181-188	10.18280/2m.180213	Qin, J.L., Shang, S.P. (2019). Laboratory acoustic measurement of prorocentrum donghaiense concentrations. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 2, pp. 181-188. https://doi.org/10.18280/2m.180213
63	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	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 Métrologie</i> , Vol. 18, No. 2, pp. 189-193. https://doi.org/10.18280/2m.180214
64	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	10.18280/2m.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 Métrologie</i> , Vol. 18, No. 2, pp. 195-200. https://doi.org/10.18280/2m.180215
65	Huleihl, 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	10.18280/2m.180216	Huleihl, M.M. (2019). Parametric study of uniform heat sink design. <i>Instrumentation Measure Métrologie</i> , Vol. 18, No. 2, pp. 201-209. https://doi.org/10.18280/2m.180216
66	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	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 Métrologie</i> , Vol. 18, No. 2, pp. 211-221. https://doi.org/10.18280/2m.180217

67	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	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
68	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	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
69	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	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
70	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	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
71	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	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
72	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	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
73	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	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
74	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	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
75	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	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
76	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	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
77	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	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
78	Muthusamy, P., Durairaj, P.V.	An overview of microwave uwb 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	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
79	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	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
80	Kharouati, A., Debbaiche, 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	10.18280/i2m.180114	Kharouati, A., Debbaiche, 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
81	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	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
82	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	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
83	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	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
84	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	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
85	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	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
86	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	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
87	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	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
88	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	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

89	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	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 Mesure Métrologie</i> , Vol. 17, No. 4, pp. 653-661. https://doi.org/10.3166/I2M.17.653-661
90	Elmembaby, 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	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
91	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	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
92	Barrile, V., Fotia, A.	3D Modeling by thermography for non-destructive analysis of archaeological heritage	Archaeological Heritage, 3D Model, Thermography.	17, 3, 393-410	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
93	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	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
94	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	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
95	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	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
96	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	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
97	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	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
98	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	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
99	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	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
100	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	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
101	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	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
102	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	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
103	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	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
104	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	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
105	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	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
106	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	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
107	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	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
108	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	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
109	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	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
110	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	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

111	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	10.3166/12M.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 Measure Métrologie</i> , Vol. 17, No. 1, pp. 7-36. https://doi.org/10.3166/12M.17.7-36
112	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	10.3166/12M.17.37-53	Chabane, F., Sekseff, E. (2018). Solar air collectors with doubles glazed by different distances in support of mass flow. <i>Instrumentation Measure Métrologie</i> , Vol. 17, No. 1, pp. 37-53. https://doi.org/10.3166/12M.17.37-53
113	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	10.3166/12M.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 Measure Métrologie</i> , Vol. 17, No. 1, pp. 55-62. https://doi.org/10.3166/12M.17.55-62
114	Bouزيد, 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	10.3166/12M.17.63-79	Bouزيد, S., Harmane, Y., Brima, A. (2018). Characterization of turbulent natural and mixed convection in confined enclosures equipped with a heat source. <i>Instrumentation Measure Métrologie</i> , Vol. 17, No. 1, pp. 63-79. https://doi.org/10.3166/12M.17.63-79
115	Xu, C.Y., Xie, J.M., Wu, J., Sun, D.Y., Mi, J., Lau, 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	10.3166/12M.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 Measure Métrologie</i> , Vol. 17, No. 1, pp. 81-92. https://doi.org/10.3166/12M.17.81-92
116	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	10.3166/12M.17.93-111	Benmenine, D., Bentebbiche, A. (2018). Influence of air preheat temperature and excess air in a reverse flow combustor. <i>Instrumentation Measure Métrologie</i> , Vol. 17, No. 1, pp. 93-111. https://doi.org/10.3166/12M.17.93-111
117	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, Nurbs Surfaces, Point Cloud Precision.	17, 1, 113-130	10.3166/12M.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 Measure Métrologie</i> , Vol. 17, No. 1, pp. 113-130. https://doi.org/10.3166/12M.17.113-130
118	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	10.3166/12M.17.131-151	Blaise, K.K., Magloire, K.E.P., Prosper, G. (2018). Thermal performance evaluation of an indirect solar dryer. <i>Instrumentation Measure Métrologie</i> , Vol. 17, No. 1, pp. 131-151. https://doi.org/10.3166/12M.17.131-151
119	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	10.3166/12M.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 Measure Métrologie</i> , Vol. 17, No. 1, pp. 153-165. https://doi.org/10.3166/12M.17.153-165
120	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	10.3166/12M.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 Measure Métrologie</i> , Vol. 17, No. 1, pp. 167-185. https://doi.org/10.3166/12M.17.167-185
121	Marreiro, A., Beaumont, F., Taïar, 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	10.3166/12m.16.1-4.11-32	Marreiro, A., Beaumont, F., Taïar, R., Poldori, G. (2017). Application of infrared thermal imaging and computational fluid dynamics techniques to whole body cryotherapy (WBC). <i>Instrumentation Measure Métrologie</i> , Vol. 16, No. 1-4, pp. 11-32. https://doi.org/10.3166/12m.16.1-4.11-32
122	Beaumont, F., Taïar, R., Poldori, 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	10.3166/12m.16.1-4.33-50	Beaumont, F., Taïar, R., Poldori, G., Zaidi, H., Grappe, F. (2017). Numerical study of the aerodynamics of time-trial cycling helmets. <i>Instrumentation Measure Métrologie</i> , Vol. 16, No. 1-4, pp. 33-50. https://doi.org/10.3166/12m.16.1-4.33-50
123	Pohardy, A., Dogon, C., Carré, C., Feve, 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	10.3166/12m.16.1-4.51-59	Pohardy, A., Dogon, C., Carré, C., Feve, S., Hardy, I., Besnard, P. (2017). Data transmission in free space and quantum cascade laser. <i>Instrumentation Measure Métrologie</i> , Vol. 16, No. 1-4, pp. 51-59. https://doi.org/10.3166/12m.16.1-4.51-59
124	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	10.3166/12m.16.1-4.61-70	Carré, C., Ley, C., Allonas, X. (2017). Comparison of different photopolymerizable systems for holographic recording. <i>Instrumentation Measure Métrologie</i> , Vol. 16, No. 1-4, pp. 61-70. https://doi.org/10.3166/12m.16.1-4.61-70
125	Durand-Texte, T., Simonetto, E., Durand, S., Melon, M., Moutet, 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	10.3166/12m.16.1-4.71-95	Durand-Texte, T., Simonetto, E., Durand, S., Melon, M., Moutet, M.H. (2017). Estimation of the uncertainties of a method of measuring vibration deformations by 3D vision. <i>Instrumentation Measure Métrologie</i> , Vol. 16, No. 1-4, pp. 71-95. https://doi.org/10.3166/12m.16.1-4.71-95
126	Guyard, R., Leduc, D., Lecieux, Y., Lupi, C., Potet, J., Beauco, J., Douay, M., Lablonde, L.	Response of fiber Bragg gratings with curvature	Bending, Fiber Bragg Gratings.	16, 1-4, 97-114	10.3166/12m.16.1-4.97-114	Guyard, R., Leduc, D., Lecieux, Y., Lupi, C., Potet, J., Beauco, J., Douay, M., Lablonde, L. (2017). Response of fiber Bragg gratings with curvature. <i>Instrumentation Measure Métrologie</i> , Vol. 16, No. 1-4, pp. 97-114. https://doi.org/10.3166/12m.16.1-4.97-114
127	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	10.3166/12m.16.1-4.115-141	Gauthier, T., Weidner, S., Martínez, B. (2017). Pressure measurements using pressure sensitive paint in supersonic flow. <i>Instrumentation Measure Métrologie</i> , Vol. 16, No. 1-4, pp. 115-141. https://doi.org/10.3166/12m.16.1-4.115-141
128	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	10.3166/12m.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 Measure Métrologie</i> , Vol. 16, No. 1-4, pp. 143-164. https://doi.org/10.3166/12m.16.1-4.143-164
129	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	10.3166/12m.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 Measure Métrologie</i> , Vol. 16, No. 1-4, pp. 165-174. https://doi.org/10.3166/12m.16.1-4.165-174
130	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	10.3166/12m.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 Measure Métrologie</i> , Vol. 16, No. 1-4, pp. 175-182. https://doi.org/10.3166/12m.16.1-4.175-182
131	Ferdinand, P., Pouillé, F., Riquie, B., Bourbotte, J.M., Hamrita, H., Kondrasovs, V., Makil, H., Maurin, L., Rougeault, S., Cheymol, G., Damian, F., Duval, D., Jaboulay, J.C., Le Tutour, P., Maskrot, H., Barbot, L., Haquet, J.F., Journeau, C., Souquet, Q., Villard, J.F., Musoyan, G., Brovchenko, M., Duhamel, I., Fourrez, S., Helleux, G., Pichon, L., Ouedane, Y.	When the remote measurement instrumentation works to improve the monitoring of the reactor building of nuclear power plants in case of severe accident	Basemat, Corium, Distributed Sensing, Monitoring, Nuclear Safety, Optical Fiber Sensors, Power Supply Free, Remote Measurement, Self Powered Neutron Detector, Severe Accident.	16, 1-4, 183-211	10.3166/12m.16.1-4.183-211	Ferdinand, P., Pouillé, F., Riquie, B., Bourbotte, J.M., Hamrita, H., Kondrasovs, V., Makil, H., Maurin, L., Rougeault, S., Cheymol, G., Damian, F., Duval, D., Jaboulay, J.C., Le Tutour, P., Maskrot, H., Barbot, L., Haquet, J.F., Journeau, C., Souquet, Q., Villard, J.F., Musoyan, G., Brovchenko, M., Duhamel, I., Fourrez, S., Helleux, G., Pichon, L., Ouedane, Y. (2017). When the remote measurement instrumentation works to improve the monitoring of the reactor building of nuclear power plants in case of severe accident. <i>Instrumentation Measure Métrologie</i> , Vol. 16, No. 1-4, pp. 183-211. https://doi.org/10.3166/12m.16.1-4.183-211

132	Sorrente, B., Michau, V., Fleury, B., Conan, J.M., Sauvage, J.F.	Measurement of the index field with a pyramidal sensor	Aero-optic Effects, Pyramidal Sensor, Wavefront Sensor.	16, 1-4, 213-228	10.3166/2m.16.1-4.213-228	Sorrente, B., Michau, V., Fleury, B., Conan, J.M., Sauvage, J.F. (2017). Measurement of the index field with a pyramidal sensor. <i>Instrumentation Mesure Métrologie</i> , Vol. 16, No. 1-4, pp. 213-228. https://doi.org/10.3166/2m.16.1-4.213-228
133	Fdida, N., Mauriot, Y., Vingert, L., Nague, 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	10.3166/2m.16.1-4.229-253	Fdida, N., Mauriot, Y., Vingert, L., Nague, 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
134	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	10.3166/2m.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/10.3166/2m.16.1-4.255-260
135	Jovancevic, I., Pham, H.H., Orteu, J.J., Giblas, R., Harvent, J., Maurice, X., Bréthes, 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	10.3166/2m.16.1-4.261-282	Jovancevic, I., Pham, H.H., Orteu, J.J., Giblas, R., Harvent, J., Maurice, X., Bréthes, 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/10.3166/2m.16.1-4.261-282