

No.	Co-authors	Article title	Keywords	Vol., No., pp.	DOI	Citation
1	Belhadj, S., Belmokhtar, K., Ghedamsi, K.	Improvement of energy management control strategy of fuel cell hybrid electric vehicles based on artificial intelligence techniques	Hybrid Electric Vehicle, Energy Management Strategy, Hydrogen Economy, Autonomy, Lifetime, Efficiency, Artificial Intelligence Algorithm, Battery/FC/PV	52, 6, 541-550	10.18280/jesa.520601	Belhadj, S., Belmokhtar, K., Ghedamsi, K. (2019). Improvement of energy management control strategy of fuel cell hybrid electric vehicles based on artificial intelligence techniques. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 6, pp. 541-550. https://doi.org/10.18280/jesa.520601
2	Aliyev, E.A.	Modeling of the inking apparatus of the sheet printing machine	Inking Apparatus, Offset Printing, Distribution Model, Dynamic Characteristic	52, 6, 551-557	10.18280/jesa.520602	Aliyev, E.A. (2019). Modeling of the inking apparatus of the sheet printing machine. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 6, pp. 551-557. https://doi.org/10.18280/jesa.520602
3	Lu, H., Wang, T.C.	An extension decision tree algorithm for lightweight design of autobody structure	Autobody Lightweight Design, Extension Model, Divergence Reasoning, Extension Transform, Extension Decision Tree (EDT) Model	52, 6, 559-567	10.18280/jesa.520603	Lu, H., Wang, T.C. (2019). An extension decision tree algorithm for lightweight design of autobody structure. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 6, pp. 559-567. https://doi.org/10.18280/jesa.520603
4	Sequeira, A.A., Mohammed, S., Kumar, A.A., Sameer, M., Kareem, Y.A., Sachidananda, K.H.	Design and fabrication of battery operated forklift	Battery Operated, Automatic, Steering, Four Wheel	52, 6, 569-574	10.18280/jesa.520604	Sequeira, A.A., Mohammed, S., Kumar, A.A., Sameer, M., Kareem, Y.A., Sachidananda, K.H. (2019). Design and fabrication of battery operated forklift. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 6, pp. 569-574. https://doi.org/10.18280/jesa.520604
5	Pi, J.L., Zhang, W.M., Zhang, S.F., Pi, C.M., Xie, C.H.	A separated adaptive control strategy for different conditions based on flexible dynamics equation of robot manipulator	Flexible Dynamics, Lagrange'S Equation, Adaptive Control, Manipulator	52, 6, 575-585	10.18280/jesa.520605	Pi, J.L., Zhang, W.M., Zhang, S.F., Pi, C.M., Xie, C.H. (2019). A separated adaptive control strategy for different conditions based on flexible dynamics equation of robot manipulator. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 6, pp. 575-585. https://doi.org/10.18280/jesa.520605
6	Dasari, M.S., Mani, V.	Simulation and analysis of PI and NN tuned PI controllers for transformer based three-phase multi-level inverter with MC-PWM techniques	Multi Carrier PWM, Multi-Level Inverter, PD, POD, APOD, THD	52, 6, 587-598	10.18280/jesa.520606	Dasari, M.S., Mani, V. (2019). Simulation and analysis of PI and NN tuned PI controllers for transformer based three-phase multi-level inverter with MC-PWM techniques. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 6, pp. 587-598. https://doi.org/10.18280/jesa.520606
7	Chandrasekaran, G., Kumarasamy, V., Chinraj, G.	Test scheduling of core based system-on-chip using modified ant colony optimization	System-On-Chip (SoC), Test Access Mechanism (TAM), Ant Colony Optimization (ACO), Artificial Intelligence, Modified Ant Colony Optimization	52, 6, 599-605	10.18280/jesa.520607	Chandrasekaran, G., Kumarasamy, V., Chinraj, G. (2019). Test scheduling of core based system-on-chip using modified ant colony optimization. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 6, pp. 599-605. https://doi.org/10.18280/jesa.520607
8	Wu, D.	Multi-objective Decision-making of new retailing terminals based on particle swarm optimization and genetic algorithm	System-On-Chip (SoC), Test Access Mechanism (TAM), Ant Colony Optimization (ACO), Artificial Intelligence, Modified Ant Colony Optimization	52, 6, 607-615	10.18280/jesa.520608	Wu, D. (2019). Multi-objective Decision-making of new retailing terminals based on particle swarm optimization and genetic algorithm. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 6, pp. 607-615. https://doi.org/10.18280/jesa.520608
9	Badugu, J., Obulesu, Y.P., Babu, C.S.	Recharging methods of electric vehicles in residential distribution systems	Electric Vehicles (EVs), Coordinated Charging, Load Curve, Unplanned Charging, Smart Load Management (SLM)	52, 6, 617-623	10.18280/jesa.520609	Badugu, J., Obulesu, Y.P., Babu, C.S. (2019). Recharging methods of electric vehicles in residential distribution systems. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 6, pp. 617-623. https://doi.org/10.18280/jesa.520609
10	Tang, Y., Wang, Z.W., Zhang, Y., Fang, R.	Analysis on information sharing in forest product supply chain based on evolutionary game theory	Forest Product Supply Chain (FPSC), Information Sharing (IS), Evolutionary Game Theory, Equilibrium Strategy	52, 6, 625-630	10.18280/jesa.520610	Tang, Y., Wang, Z.W., Zhang, Y., Fang, R. (2019). Analysis on information sharing in forest product supply chain based on evolutionary game theory. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 6, pp. 625-630. https://doi.org/10.18280/jesa.520610
11	Saritha, S., Mamatha, E., Reddy, C.S.	Performance measures of online warehouse service system with replenishment policy	Inventory System, Replenishment Orders, Markov Process, Queuing System, Cost Optimization	52, 6, 631-638	10.18280/jesa.520611	Saritha, S., Mamatha, E., Reddy, C.S. (2019). Performance measures of online warehouse service system with replenishment policy. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 6, pp. 631-638. https://doi.org/10.18280/jesa.520611
12	Wang, M., Zhang, X.M., Fan, M.Y., Hao, M.	Influencing factors of channel collaboration in multi-channel supply chain: A contextual ambidexterity-based analysis from the perspective of traditional retailer	Multi-Channel Supply Chain (SC), Channel Collaboration, Contextual Ambidexterity, Traditional Sales Channel, Direct Sales Channel	52, 6, 639-647	10.18280/jesa.520612	Wang, M., Zhang, X.M., Fan, M.Y., Hao, M. (2019). Influencing factors of channel collaboration in multi-channel supply chain: A contextual ambidexterity-based analysis from the perspective of traditional retailer. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 6, pp. 639-647. https://doi.org/10.18280/jesa.520612
13	Medjadji, A., Mazari, M., Kebir, T., Belaziz, A.	Simulation study of fatigue lifetime in PE100 pipes	Fatigue Lifetime, PE100 Pipes, High Density of Polyethylene HDPE	52, 6, 649-654	10.18280/jesa.520613	Medjadji, A., Mazari, M., Kebir, T., Belaziz, A. (2019). Simulation study of fatigue lifetime in PE100 pipes. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 6, pp. 649-654. https://doi.org/10.18280/jesa.520613
14	Manukonda, D., Gorantla, S.R.	Simulation of model predictive controller based oscillatory water pumping system for residential applications	Vortex Bladeless Wind Turbine, Model Predictive Controller, Maximum Power Point Tracking, Single Phase Induction Motor, Battery Management System	52, 6, 655-661	10.18280/jesa.520614	Manukonda, D., Gorantla, S.R. (2019). Simulation of model predictive controller based oscillatory water pumping system for residential applications. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 6, pp. 655-661. https://doi.org/10.18280/jesa.520614
15	Joshy, A., Dsouza, R., Muthirulan, V., Sachidananda, K.H.	Experimental analysis on the turning of aluminum alloy 7075 based on taguchi method and artificial neural network	Turning, Feed Rate, Cutting Speed, Depth of Cut, Surface Roughness, Artificial Neural Network (ANN), Taguchi Method, Machining	52, 5, 429-437	10.18280/jesa.520501	Joshy, A., Dsouza, R., Muthirulan, V., Sachidananda, K.H. (2019). Experimental analysis on the turning of aluminum alloy 7075 based on taguchi method and artificial neural network. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 5, pp. 429-437. https://doi.org/10.18280/jesa.520501
16	Wahdan, H.G., Abdelslam, H.E., Abou-El-Enien, T.H.M., Kassem, S.S.	Sustainable product design through non-dominated sorting cuckoo search	Modular Design, Design Structure Matrix (DSM), Clustering, Non-Dominated Sorting, Cuckoo Search, Multi-Objective Optimization	52, 5, 439-447	10.18280/jesa.520502	Wahdan, H.G., Abdelslam, H.E., Abou-El-Enien, T.H.M., Kassem, S.S. (2019). Sustainable product design through non-dominated sorting cuckoo search. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 5, pp. 439-447. https://doi.org/10.18280/jesa.520502
17	Souhila, A.B., Fethi, D., Abdelhafid, O.	Design of a sliding mode observer based on computed torque control for hyper dynamic manipulation	Computed Torque, Golf Swing Robot, Hyper Dynamic Manipulation, Sliding Mode Observer, Stability	52, 5, 449-456	10.18280/jesa.520503	Souhila, A.B., Fethi, D., Abdelhafid, O. (2019). Design of a sliding mode observer based on computed torque control for hyper dynamic manipulation. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 5, pp. 449-456. https://doi.org/10.18280/jesa.520503
18	Feng, M., Cheng, Y.R.	Optimization of drop-and-pull transport network based on shared freight station and hub-and-spoke network	Drop-And-Pull (D-P) Transport, Hub-And-Spoke (H-S) Network, Shared Freight Station, Optimization	52, 5, 457-464	10.18280/jesa.520504	Feng, M., Cheng, Y.R. (2019). Optimization of drop-and-pull transport network based on shared freight station and hub-and-spoke network. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 5, pp. 457-464. https://doi.org/10.18280/jesa.520504
19	Abdelrazik, M.A., Elsheikh, A.T., Zayan, M.A., Elhady, A.B.M.	A novel systems engineering methodology based on transdisciplinary quality system development lifecycle model. <i>Journal Européen des Systèmes Automatisés</i>	Transdisciplinary Quality System Development Lifecycle (TQSDL) Model, Model-Based Systems Engineering (MBSE), Dependency Structure Matrix (DSM), Quality Function Deployment (QFD), Systems Engineering (SE)	52, 5, 465-476	10.18280/jesa.520505	Abdelrazik, M.A., Elsheikh, A.T., Zayan, M.A., Elhady, A.B.M. (2019). A novel systems engineering methodology based on transdisciplinary quality system development lifecycle model. <i>Journal Européen des Systèmes Automatisés</i> . <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 5, pp. 465-476. https://doi.org/10.18280/jesa.520505
20	Lu, Y.P., Pei, X., Zhang, C.Z., Luo, H.Y., Liu, B., Ma, Z.D.	Design of multimodal transport path optimization model and dual pheromone hybrid algorithm	Multimodal Transport, Path Optimization, Scale Effect, Genetic Algorithm (GA), Ant Colony Optimization (ACO)	52, 5, 477-484	10.18280/jesa.520506	Lu, Y.P., Pei, X., Zhang, C.Z., Luo, H.Y., Liu, B., Ma, Z.D. (2019). Design of multimodal transport path optimization model and dual pheromone hybrid algorithm. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 5, pp. 477-484. https://doi.org/10.18280/jesa.520506
21	Vijayan, N., Raj, S.A., Muthirulan, V., Sachidananda, K.H.	Design and fabrication of a continuous polishing machine	Polishing, Surface Roughness, Surface Finish, Machining	52, 5, 485-493	10.18280/jesa.520507	Vijayan, N., Raj, S.A., Muthirulan, V., Sachidananda, K.H. (2019). Design and fabrication of a continuous polishing machine. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 5, pp. 485-493. https://doi.org/10.18280/jesa.520507

22	Chen, C.X., Wei, L.Y., Chen, Z.Y., Guo, C.J.	Operation planning for freight block trains using released transport capacity of existing railways	Passenger-Dedicated Lines (PDLs), Freight Block Trains (FBTs), Operation Planning, Sensitivity Analysis	52, 5, 495-500	10.18280/jesa.520508	Chen, C.X., Wei, L.Y., Chen, Z.Y., Guo, C.J. (2019). Operation planning for freight block trains using released transport capacity of existing railways. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 5, pp. 495-500. https://doi.org/10.18280/jesa.520508
23	Nelaturi, N., Devi, G.L.	A product recommendation model based on recurrent neural network	Recurrent Neural Network (RNN), Purchase Patterns, Deep Learning, Bidirectional Model, Attention Mechanism	52, 5, 501-507	10.18280/jesa.520509	Nelaturi, N., Devi, G.L. (2019). A product recommendation model based on recurrent neural network. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 5, pp. 501-507. https://doi.org/10.18280/jesa.520509
24	Deng, F., Liu, X.Y., Zhang, N., Zhang, F.X.	Dimension synthesis of a 3T2R labelling robot with hybrid mechanism	Hybrid Mechanism, Dimension Synthesis, Jacobian Matrix, Pareto Frontier Approach, Multi-Objective Optimization	52, 5, 509-514	10.18280/jesa.520510	Deng, F., Liu, X.Y., Zhang, N., Zhang, F.X. (2019). Dimension synthesis of a 3T2R labelling robot with hybrid mechanism. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 5, pp. 509-514. https://doi.org/10.18280/jesa.520510
25	Garziad, M., Saka, A.	Influence of rider on the stability and control of two wheeled vehicles	Two-Wheeled Vehicle, Rider, Lean Torque, Steering Torque, Proportional-Integral-Derivative (PID) Controller	52, 5, 515-520	10.18280/jesa.520511	Garziad, M., Saka, A. (2019). Influence of rider on the stability and control of two wheeled vehicles. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 5, pp. 515-520. https://doi.org/10.18280/jesa.520511
26	Khalidi, L., Ifouzar, K., Ghedamsi, K., Aouzellag, D.	Performance analysis of five-phase induction machine under unbalanced parameters	Performance Analysis, Five-Phase Induction Machine, Stator and Rotor Resistance Variation, Joule Losses, Torque Ripples, Mechanical Speed	52, 5, 521-526	10.18280/jesa.520512	Khalidi, L., Ifouzar, K., Ghedamsi, K., Aouzellag, D. (2019). Performance analysis of five-phase induction machine under unbalanced parameters. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 5, pp. 521-526. https://doi.org/10.18280/jesa.520512
27	Li, L., Huang, Y., Guo, X.X.	Kinematics modelling and experimental analysis of a six-joint manipulator	Denavit and Hartenberg (D-H) Parameters, Manipulator, Kinematics Modelling, Simulation	52, 5, 527-533	10.18280/jesa.520513	Li, L., Huang, Y., Guo, X.X. (2019). Kinematics modelling and experimental analysis of a six-joint manipulator. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 5, pp. 527-533. https://doi.org/10.18280/jesa.520513
28	Rao, D., Latha, C.P., Kumar, N.B., Venkatesh, P.M.	Oppositional teaching and learning based optimization of economical load dispatch problem with valve point loading effect	Economic Load Dispatch (ELD), Cost Function, Oppositional Teaching and Learning Based Optimization (OTLBO), Valve Point Loading Effect	52, 5, 535-540	10.18280/jesa.520514	Rao, D., Latha, C.P., Kumar, N.B., Venkatesh, P.M. (2019). Oppositional teaching and learning based optimization of economical load dispatch problem with valve point loading effect. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 5, pp. 535-540. https://doi.org/10.18280/jesa.520514
29	Vovna, O.V., Laktionov, I.S., Dobrovol'ska, L.O., Kabanets, M.M., Lebediev, V.A.	Evaluation of metrological characteristics of a computerized conductivity meter of irrigation solution based on the uncertainty theory	Electrical Conductivity, Greenhouses, Arduino, Piecewise Linear Approximation, Hardware Components, Software	52, 4, 333-340	10.18280/jesa.520401	Vovna, O.V., Laktionov, I.S., Dobrovol'ska, L.O., Kabanets, M.M., Lebediev, V.A. (2019). Evaluation of metrological characteristics of a computerized conductivity meter of irrigation solution based on the uncertainty theory. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 4, pp. 333-340. https://doi.org/10.18280/jesa.520401
30	Bouamama, M., Elmeiche, A., Elhennani, A., Kebir, T.	Dynamic stability analysis of functionally graded timoshenko beams with internal viscous damping distribution	Dynamic Stability, Functionally Graded Material (FGM), Timoshenko Beam, Internal Viscous Damping, Finite Element Method, Eigenfrequencies	52, 4, 341-346	10.18280/jesa.520402	Bouamama, M., Elmeiche, A., Elhennani, A., Kebir, T. (2019). Dynamic stability analysis of functionally graded timoshenko beams with internal viscous damping distribution. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 4, pp. 341-346. https://doi.org/10.18280/jesa.520402
31	Lan, C.F.	A coordination contract for green agricultural product supply chain with stochastic output	Green Supply Chain (SC), Two-Part Tariff (TPT) Contract, Stochastic Output, Coordination	52, 4, 347-354	10.18280/jesa.520403	Lan, C.F. (2019). A coordination contract for green agricultural product supply chain with stochastic output. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 4, pp. 347-354. https://doi.org/10.18280/jesa.520403
32	Verma, V., Chauhan, P., Gupta, M.K.	Disturbance observer-assisted trajectory tracking control for surgical robot manipulator	Nonlinear Control, Disturbance Observer, Kinematics, Dynamic Modeling, Tracking	52, 4, 355-362	10.18280/jesa.520404	Verma, V., Chauhan, P., Gupta, M.K. (2019). Disturbance observer-assisted trajectory tracking control for surgical robot manipulator. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 4, pp. 355-362. https://doi.org/10.18280/jesa.520404
33	Mu, W.Z.	A big data-based prediction model for purchase decisions of consumers on cross-border e-commerce platforms	Big Data, Purchase Decision, Prediction, Cross-Border E-Commerce Platform, Multilayer Perceptron (MLP)	52, 4, 363-368	10.18280/jesa.520405	Mu, W.Z. (2019). A big data-based prediction model for purchase decisions of consumers on cross-border e-commerce platforms. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 4, pp. 363-368. https://doi.org/10.18280/jesa.520405
34	Anand, K., Mamatha, E., Reddy, C.S., Prabha, M.	Design of neural network based expert system for automated lime kiln system	Artificial Neural Network, Optimization, Lime Kiln, Shell Temperature, Furnace Oil Consumption, Intelligent Controller	52, 4, 369-376	10.18280/jesa.520406	Anand, K., Mamatha, E., Reddy, C.S., Prabha, M. (2019). Design of neural network based expert system for automated lime kiln system. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 4, pp. 369-376. https://doi.org/10.18280/jesa.520406
35	Dong, L.L., Wu, J., Wang, W.	A safe evacuation mode for ultradeep underground space in urban rail transit stations	Safe Evacuation Mode, Ultradeep Underground Public Spaces, Horizontal Shelter, Vertical Evacuation System	52, 4, 377-385	10.18280/jesa.520407	Dong, L.L., Wu, J., Wang, W. (2019). A safe evacuation mode for ultradeep underground space in urban rail transit stations. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 4, pp. 377-385. https://doi.org/10.18280/jesa.520407
36	Aswal, A., Jha, A., Tiwari, A., Modi, Y.K.	CNC turning parameter optimization for surface roughness of aluminium-2014 alloy using Taguchi methodology	Analysis of Variance (ANOVA), Computer Numerical Control (CNC) Turning, Optimization, Taguchi Method, Surface Roughness, Signal-To-Noise Ratio (SNR)	52, 4, 387-390	10.18280/jesa.520408	Aswal, A., Jha, A., Tiwari, A., Modi, Y.K. (2019). CNC turning parameter optimization for surface roughness of aluminium-2014 alloy using Taguchi methodology. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 4, pp. 387-390. https://doi.org/10.18280/jesa.520408
37	Li, D., Liu, C.H., Li, K.	A remanufacturing logistics network model based on improved multi-objective ant colony optimization	Remanufacturing Logistics Network, Carbon Emissions, Multi-Objective Ant Colony Optimization (MACO), Genetic Algorithm (GA)	52, 4, 391-395	10.18280/jesa.520409	Li, D., Liu, C.H., Li, K. (2019). A remanufacturing logistics network model based on improved multi-objective ant colony optimization. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 4, pp. 391-395. https://doi.org/10.18280/jesa.520409
38	Ali, A.A., Hegaze, M.M., Elrodesly, A.S.	Maximizing the onboard capability of the spacecraft attitude control system based on optimal use of reaction wheels	Attitude Control System, Optimal Configuration, Reaction Wheels, Spacecraft (SC) Agility, Torque Envelope	52, 4, 397-407	10.18280/jesa.520410	Ali, A.A., Hegaze, M.M., Elrodesly, A.S. (2019). Maximizing the onboard capability of the spacecraft attitude control system based on optimal use of reaction wheels. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 4, pp. 397-407. https://doi.org/10.18280/jesa.520410
39	Qu, C.G., Cao, H.L., Sun, S., Xu, M.J.	Modelling of fuel flow in climb phase through multiple linear regression based on the data collected by quick access recorder	Fuel Flow, Quick Access Recorder (QAR), Multiple Linear Regression, Prediction	52, 4, 409-413	10.18280/jesa.520411	Qu, C.G., Cao, H.L., Sun, S., Xu, M.J. (2019). Modelling of fuel flow in climb phase through multiple linear regression based on the data collected by quick access recorder. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 4, pp. 409-413. https://doi.org/10.18280/jesa.520411
40	Asfar, J., Atieh, A., Al-Mbaideen, R.	Techno-economic analysis of a microgrid hybrid renewable energy system in Jordan	Hybrid Renewable Energy Systems, Homer Software, Microgrid, Optimization	52, 4, 415-423	10.18280/jesa.520412	Asfar, J., Atieh, A., Al-Mbaideen, R. (2019). Techno-economic analysis of a microgrid hybrid renewable energy system in Jordan. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 4, pp. 415-423. https://doi.org/10.18280/jesa.520412
41	Wahyuadnyana, K.D., Gunawan, A.A.N., Paramarta, I.B.A.	Remote control of room lights and coolers automation system SMS based	LM35 Sensors, Passive Infrared Receiver (PIR) Sensors, Automation System, Remote Control, Light Intensity	52, 4, 425-428	10.18280/jesa.520413	Wahyuadnyana, K.D., Gunawan, A.A.N., Paramarta, I.B.A. (2019). Remote control of room lights and coolers automation system SMS based. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 4, pp. 425-428. https://doi.org/10.18280/jesa.520413
42	Avanzini, P.	Energy and economy: A thermodynamic approach	Turning, Feed Rate, Cutting Speed, Depth of Cut, Surface Roughness, Artificial Neural Network (ANN), Taguchi Method, Machining	52, 3, 429-437	10.18280/jesa.520301	Avanzini, P. (2019). Energy and economy: A thermodynamic approach. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 3, pp. 429-437. https://doi.org/10.18280/jesa.520301

43	Sun, Z.L., Lv, G., Luo, Z.Y., Xie, C.Y., Wang, W.	A novel automatic detection model for single line-to-ground fault	Modular Design, Design Structure Matrix (DSM), Clustering, Non-Dominated Sorting, Cuckoo Search, Multi-Objective Optimization	52, 3, 439-448	10.18280/jesa.520302	Sun, Z.L., Lv, G., Luo, Z.Y., Xie, C.Y., Wang, W. (2019). A novel automatic detection model for single line-to-ground fault. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 3, pp. 439-448. https://doi.org/10.18280/jesa.520302
44	Sharma, N.R., Agrawal, H., Mishra, A.K.	Maintenance schedules of mining HEMM using an optimization framework model	Computed Torque, Golf Swing Robot, Hyper Dynamic Manipulation, Sliding Mode Observer, Stability	52, 3, 449-456	10.18280/jesa.520303	Sharma, N.R., Agrawal, H., Mishra, A.K. (2019). Maintenance schedules of mining HEMM using an optimization framework model. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 3, pp. 449-456. https://doi.org/10.18280/jesa.520303
45	Chen, W., Hao, Y.F., Jin, N.Q.J.	Product collaborative innovation of project-based supply chain under the influence of knowledge input	Computed Torque, Golf Swing Robot, Hyper Dynamic Manipulation, Sliding Mode Observer, Stability	52, 3, 457-464	10.18280/jesa.520304	Chen, W., Hao, Y.F., Jin, N.Q.J. (2019). Product collaborative innovation of project-based supply chain under the influence of knowledge input. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 3, pp. 457-464. https://doi.org/10.18280/jesa.520304
46	Yamparala, R., Perumal, B.	Secure data transmission with effective routing method using group key management techniques-A survey	Transdisciplinary Quality System Development Lifecycle (TQSDL) Model, Model-Based Systems Engineering (MBSE), Dependency Structure Matrix (DSM), Quality Function Deployment (QFD), Systems Engineering (SE)	52, 3, 465-476	10.18280/jesa.520305	Yamparala, R., Perumal, B. (2019). Secure data transmission with effective routing method using group key management techniques-A survey. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 3, pp. 465-476. https://doi.org/10.18280/jesa.520305
47	Pan, J., Fu, Z., Chen, H.W.	Split delivery vehicle routing problem with minimum delivery amounts	Multimodal Transport, Path Optimization, Scale Effect, Genetic Algorithm (GA), Ant Colony Optimization (ACO)	52, 3, 477-484	10.18280/jesa.520306	Pan, J., Fu, Z., Chen, H.W. (2019). Split delivery vehicle routing problem with minimum delivery amounts. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 3, pp. 477-484. https://doi.org/10.18280/jesa.520306
48	Fadel, M.Z., Rabie, M.G., Yousef, A.M.	Modeling, simulation and control of a fly-by-wire flight control system using classical PID and modified PID controllers	Polishing, Surface Roughness, Surface Finish, Machining	52, 3, 485-493	10.18280/jesa.520307	Fadel, M.Z., Rabie, M.G., Yousef, A.M. (2019). Modeling, simulation and control of a fly-by-wire flight control system using classical PID and modified PID controllers. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 3, pp. 485-493. https://doi.org/10.18280/jesa.520307
49	Wang, S.J.	Design and simulation of a fuzzy controller for automatic train driving based on multi-swarm optimization	Passenger-Dedicated Lines (PDLs), Freight Block Trains (FBTs), Operation Planning, Sensitivity Analysis	52, 3, 495-500	10.18280/jesa.520308	Wang, S.J. (2019). Design and simulation of a fuzzy controller for automatic train driving based on multi-swarm optimization. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 3, pp. 495-500. https://doi.org/10.18280/jesa.520308
50	Koshy, G., Samad, B.A., Suresh, A., Shameem, M., Mana, A.P.	Tribological behaviour of phosphonium based ionic liquid blended with ZDDP	Recurrent Neural Network (RNN), Purchase Patterns, Deep Learning, Bidirectional Model, Attention Mechanism	52, 3, 501-507	10.18280/jesa.520309	Koshy, G., Samad, B.A., Suresh, A., Shameem, M., Mana, A.P. (2019). Tribological behaviour of phosphonium based ionic liquid blended with ZDDP. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 3, pp. 501-507. https://doi.org/10.18280/jesa.520309
51	Zhang, W.L., Liu, M.J., Wang, X.	Design and simulation of a road maintenance vehicle with a multi-working position manipulator and an automatic feeding mechanism	Hybrid Mechanism, Dimension Synthesis, Jacobian Matrix, Pareto Frontier Approach, Multi-Objective Optimization	52, 3, 509-514	10.18280/jesa.520310	Zhang, W.L., Liu, M.J., Wang, X. (2019). Design and simulation of a road maintenance vehicle with a multi-working position manipulator and an automatic feeding mechanism. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 3, pp. 509-514. https://doi.org/10.18280/jesa.520310
52	Gupta, A., Mondal, A.K., Gupta, M.K.	Kinematic, dynamic analysis and control of 3 DOF upper-limb robotic exoskeleton	Two-Wheeled Vehicle, Rider, Lean Torque, Steering Torque, Proportional-Integral-Derivative (PID) Controller	52, 3, 515-520	10.18280/jesa.520311	Gupta, A., Mondal, A.K., Gupta, M.K. (2019). Kinematic, dynamic analysis and control of 3 DOF upper-limb robotic exoskeleton. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 3, pp. 515-520. https://doi.org/10.18280/jesa.520311
53	Abadi, M.H., Vaziri, A.M., Jajarmi, A.	On a new and efficient numerical technique to solve a class of discrete-time nonlinear optimal control problems	Performance Analysis, Five-Phase Induction Machine, Stator and Rotor Resistance Variation, Joule Losses, Torque Ripples, Mechanical Speed	52, 3, 521-526	10.18280/jesa.520312	Abadi, M.H., Vaziri, A.M., Jajarmi, A. (2019). On a new and efficient numerical technique to solve a class of discrete-time nonlinear optimal control problems. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 3, pp. 521-526. https://doi.org/10.18280/jesa.520312
54	Assam, B., Messalti, S., Harrag, A.	New improved hybrid MPPT based on backstepping-sliding mode for PV system	Denavit and Hartenberg (D-H) Parameters, Manipulator, Kinematics Modelling, Simulation	52, 3, 527-533	10.18280/jesa.520313	Assam, B., Messalti, S., Harrag, A. (2019). New improved hybrid MPPT based on backstepping-sliding mode for PV system. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 3, pp. 527-533. https://doi.org/10.18280/jesa.520313
55	Abdellouhi, H., Ghedamsi, K., Mecharek, A.	Performance and lifetime increase of the PEM fuel cell in hybrid electric vehicle application by using an NPC seven-level inverter	Economic Load Dispatch (ELD), Cost Function, Oppositional Teaching and Learning Based Optimization (OTLBO), Valve Point Loading Effect	52, 3, 535-540	10.18280/jesa.520314	Abdellouhi, H., Ghedamsi, K., Mecharek, A. (2019). Performance and lifetime increase of the PEM fuel cell in hybrid electric vehicle application by using an NPC seven-level inverter. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 3, pp. 535-540. https://doi.org/10.18280/jesa.520314
56	Garziad, M., Saka, A.	Development and modeling of a ptw vehicle: co-simulation approach	Motorcycle, Modeling, MF Tire, Suspension, Biomechanics, Rider, Stability, Control	52, 2, 115-121	10.18280/jesa.520201	Garziad, M., Saka, A. (2019). Development and modeling of a ptw vehicle: co-simulation approach. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 2, pp. 115-121. https://doi.org/10.18280/jesa.520201
57	Sang, J.G.	A cost-effective pump scheduling method for mine drainage system based on ant colony optimization	Pump Scheduling, Mine Drainage System (MDS), Ant Colony Optimization (ACO), Cost Efficiency	52, 2, 123-128	10.18280/jesa.520202	Sang, J.G. (2019). A cost-effective pump scheduling method for mine drainage system based on ant colony optimization. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 2, pp. 123-128. https://doi.org/10.18280/jesa.520202
58	Zhong, S.	Empirical analysis on function mechanism of factors affecting the efficiency of china's agricultural products logistics	Agricultural Products Logistics, Technical Efficiency, Influencing Factors, Function Mechanism	52, 2, 129-135	10.18280/jesa.520203	Zhong, S. (2019). Empirical analysis on function mechanism of factors affecting the efficiency of china's agricultural products logistics. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 2, pp. 129-135. https://doi.org/10.18280/jesa.520203
59	Mahesh, V., Shastry, S., Murthy, V., Kumar, V., Mahesh, V.	Approach to reduce throughput time in grinding of gundrills	Gundrill, Grinding, Throughput Time, Cycle Time, ARENA	52, 2, 137-142	10.18280/jesa.520204	Mahesh, V., Shastry, S., Murthy, V., Kumar, V., Mahesh, V. (2019). Approach to reduce throughput time in grinding of gundrills. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 2, pp. 137-142. https://doi.org/10.18280/jesa.520204
60	Goyal, G.R., Vadhera, S.	Solution of combined economic emission dispatch with demand side management using meta-heuristic algorithms	Demand Side Management, Economic Emission Dispatch, Load Reduction, Meta-Heuristic Algorithm	52, 2, 143-148	10.18280/jesa.520205	Goyal, G.R., Vadhera, S. (2019). Solution of combined economic emission dispatch with demand side management using meta-heuristic algorithms. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 2, pp. 143-148. https://doi.org/10.18280/jesa.520205
61	Mu, H.P.	Disruption management of flexible job shop scheduling considering behavior perception and machine fault based on improved NSGA-II algorithm	Flexible Job-Shop Scheduling, Close Relative Crossover and Mutation, NSGA-II, Multi-Objective Optimization, Behavior Perception	52, 2, 149-156	10.18280/jesa.520206	Mu, H.P. (2019). Disruption management of flexible job shop scheduling considering behavior perception and machine fault based on improved NSGA-II algorithm. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 2, pp. 149-156. https://doi.org/10.18280/jesa.520206
62	Jiang, D.F., Liu, C.H.	Modelling of supply chain risk contagion based on system dynamics	Supply Chain (SC), Risk Contagion, System Dynamics, Evolution	52, 2, 157-162	10.18280/jesa.520207	Jiang, D.F., Liu, C.H. (2019). Modelling of supply chain risk contagion based on system dynamics. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 2, pp. 157-162. https://doi.org/10.18280/jesa.520207
63	Saravanan, S., Kumar, C.R.	Impacts on NOx emission control measures to achieve EURO VI limits - a review	Diesel Engine, Low Temperature, Homogeneous Combustion, Porous Medium, Emission, Oxides of Nitrogen, Smoke Opacity, Particulate Matter	52, 2, 163-171	10.18280/jesa.520208	Saravanan, S., Kumar, C.R. (2019). Impacts on NOx emission control measures to achieve EURO VI limits - a review. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 2, pp. 163-171. https://doi.org/10.18280/jesa.520208

64	Zhang, N.	Design and implementation of walking beam manipulator in automatic production line based on PLC	Walking Beam Manipulator, Automatic Production Line, Position Servo System, Proportional-Integral-Derivative (PID) Control	52, 2, 173-178	10.18280/jesa.520209	Zhang, N. (2019). Design and implementation of walking beam manipulator in automatic production line based on PLC. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 2, pp. 173-178. https://doi.org/10.18280/jesa.520209
65	Wang, C., Zeng, L.	Optimization of multi-objective job-shop scheduling under uncertain environment	Job-Shop Scheduling Problem (JSP), Multi-Objective Tradeoff, Optimization Model, Uncertain Environment	52, 2, 179-183	10.18280/jesa.520210	Wang, C., Zeng, L. (2019). Optimization of multi-objective job-shop scheduling under uncertain environment. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 2, pp. 179-183. https://doi.org/10.18280/jesa.520210
66	Srivastava, A., Sharma, A., Gaur, A.S., Kumar, R., Modi, Y.K.	Prediction of surface roughness for CNC turning of EN8 steel bar using artificial neural network model	Artificial Neural Network, Design of Experiment (DOE), Predictive Model, Turning Parameters, Surface Roughness	52, 2, 185-188	10.18280/jesa.520211	Srivastava, A., Sharma, A., Gaur, A.S., Kumar, R., Modi, Y.K. (2019). Prediction of surface roughness for CNC turning of EN8 steel bar using artificial neural network model. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 2, pp. 185-188. https://doi.org/10.18280/jesa.520211
67	Ram, J., Manoharan, A., Sun, S.Y.	Online-to-offline (O2O) business: Empirically examining the adoption vs. non-adoption	Online-to-Offline (O2O), Adoption, Technology-Organization-Environment (TOE), Social Commerce, Diffusion of Innovation (DOI)	52, 2, 189-198	10.18280/jesa.520212	Ram, J., Manoharan, A., Sun, S.Y. (2019). Online-to-offline (O2O) business: Empirically examining the adoption vs. non-adoption. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 2, pp. 189-198. https://doi.org/10.18280/jesa.520212
68	Zhao, Y.X.	Optimal decision-making for green supply chain based on overconfidence under the carbon emission constraint	Overconfidence, Carbon Emission, Green Supply Chain, Green Preference	52, 2, 199-204	10.18280/jesa.520213	Zhao, Y.X. (2019). Optimal decision-making for green supply chain based on overconfidence under the carbon emission constraint. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 2, pp. 199-204. https://doi.org/10.18280/jesa.520213
69	Kumar, R., Chaurasia, O.P.	A review on performance and emissions of compression ignition engine fueled with ethanol-diesel blend	Alternative Fuel, Ethano-Diesel Fuel Blend, Performance, Emission	52, 2, 205-214	10.18280/jesa.520214	Kumar, R., Chaurasia, O.P. (2019). A review on performance and emissions of compression ignition engine fueled with ethanol-diesel blend. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 2, pp. 205-214. https://doi.org/10.18280/jesa.520214
70	Song, Y., Cao, Y.P.	VMI & TPL supply chain coordination based on evolutionary game	Vendor Managed Inventory, Supply Chain Coordination, Evolutionary Game, Third Party Logistics	52, 2, 215-222	10.18280/jesa.520215	Song, Y., Cao, Y.P. (2019). VMI & TPL supply chain coordination based on evolutionary game. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 2, pp. 215-222. https://doi.org/10.18280/jesa.520215
71	Ram, J., Xu, D.	Live streaming video e-commerce: Examining the operational strategies	Live Streaming Video (LSV), Social Media, Esport, Online Games, Ecommerce Strategies	52, 1, 1-9	10.18280/jesa.520101	Ram, J., Xu, D. (2019). Live streaming video e-commerce: Examining the operational strategies. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 1, pp. 1-9. https://doi.org/10.18280/jesa.520101
72	Kiran, A.V.N.S., Santosh Kumar, B., Loknath, M., Saleemuddin, S.M., Nagendra, S.	Experimental studies on two stroke SI engine by using novel piston and gasoline blends	Performance Parameters, Un Burnt Hydro Carbons Emissions, CO Emissions, Ethanol, And Methanol	52, 1, 11-15	10.18280/jesa.520102	Kiran, A.V.N.S., Santosh Kumar, B., Loknath, M., Saleemuddin, S.M., Nagendra, S. (2019). Experimental studies on two stroke SI engine by using novel piston and gasoline blends. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 1, pp. 11-15. https://doi.org/10.18280/jesa.520102
73	Dong, B.K., Zhu, X.N., Yan, R., Wang, Y.	Development of optimization model and algorithm for storage and retrieval in automated stereo warehouses	Automated Storage and Retrieval System (ASRS), Multiple Carriers, Goods Location Allocation, Picking Path, Integrated Optimization	52, 1, 17-22	10.18280/jesa.520103	Dong, B.K., Zhu, X.N., Yan, R., Wang, Y. (2019). Development of optimization model and algorithm for storage and retrieval in automated stereo warehouses. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 1, pp. 17-22. https://doi.org/10.18280/jesa.520103
74	Vardi, M., Neyestani, M., Ghorbanian, A.	Supplier selection and order allocation problem modeling with the aim of comparing incremental discounts versus wholesale discounts by using GA and NSGA algorithms	Supplier Selection, Fuzzy AHP Method, Discount, Weighting Method, GA and NSGA-II	52, 1, 23-34	10.18280/jesa.520104	Vardi, M., Neyestani, M., Ghorbanian, A. (2019). Supplier selection and order allocation problem modeling with the aim of comparing incremental discounts versus wholesale discounts by using GA and NSGA algorithms. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 1, pp. 23-34. https://doi.org/10.18280/jesa.520104
75	Jiao, Q.J., Jin, Y.Y.	Selection of significant community structure based on network partition-based cluster	Complex Network, Module Structure, Multi-Scale Module Detection, Significant Partition	52, 1, 35-41	10.18280/jesa.520105	Jiao, Q.J., Jin, Y.Y. (2019). Selection of significant community structure based on network partition-based cluster. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 1, pp. 35-41. https://doi.org/10.18280/jesa.520105
76	Patil, R., Gade, A., Rewatkar, A.	Comprehensive study on task scheduling strategies in multicloud environment	Cloud Computing, Shortest Job First Scheduling, Round Robin Scheduling, Makespan Time, Response Time, Completion Time	52, 1, 43-47	10.18280/jesa.520106	Patil, R., Gade, A., Rewatkar, A. (2019). Comprehensive study on task scheduling strategies in multicloud environment. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 1, pp. 43-47. https://doi.org/10.18280/jesa.520106
77	Yang, F., Shi, M.H.	Emergency surgery scheduling under urban emergencies based on improved moth-flame optimization	Emergencies, Surgery Scheduling, Fatigue Effect, Moth-Flame Optimization (MFO), Chaotic Perturbation	52, 1, 49-55	10.18280/jesa.520107	Yang, F., Shi, M.H. (2019). Emergency surgery scheduling under urban emergencies based on improved moth-flame optimization. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 1, pp. 49-55. https://doi.org/10.18280/jesa.520107
78	Babu, S.N., Tamilselvi, J.	Generating road accident prediction set with road accident data analysis using enhanced expectation-maximization clustering algorithm and improved association rule mining	Road Accident, Enhanced Expectation-Maximization, Association Rules, Big Data, Clustering, Accident Prediction Set	52, 1, 57-63	10.18280/jesa.520108	Babu, S.N., Tamilselvi, J. (2019). Generating road accident prediction set with road accident data analysis using enhanced expectation-maximization clustering algorithm and improved association rule mining. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 1, pp. 57-63. https://doi.org/10.18280/jesa.520108
79	Katuri, R., Gorantla, S.	Performance and comparative analysis of math function based controller combined with PID and PI for smooth transition of energy sources	HES, Hybrid Electric Vehicle, Electric Vehicle, Battery, Ultra-Capacitor, Uni-Directional Converter, Bi-Directional Converter, MFB Controller, Proportional Integral (PI) Controller, Proportional Integral Derivative (PID) Controller	52, 1, 65-72	10.18280/jesa.520109	Katuri, R., Gorantla, S. (2019). Performance and comparative analysis of math function based controller combined with PID and PI for smooth transition of energy sources. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 1, pp. 65-72. https://doi.org/10.18280/jesa.520109
80	Hou, Y., Cao, Z.J., Yang, S.L.	Cloud intelligent logistics service selection based on combinatorial optimization algorithm	Cloud Intelligent Logistics (CIL), Internet of Things (IoT), Combinatorial Optimization Algorithm (COA), Service Classification, Service Negotiation	52, 1, 73-78	10.18280/jesa.520110	Hou, Y., Cao, Z.J., Yang, S.L. (2019). Cloud intelligent logistics service selection based on combinatorial optimization algorithm. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 1, pp. 73-78. https://doi.org/10.18280/jesa.520110
81	Gorantla, S., Katuri, R.	A comparative study of ANN and pi controllers combined with MFB implemented to hybrid energy storage system for smooth switching between battery and ultracapacitor	Battery, Ultracapacitor (UC), Bidirectional Converter (BDC), Unidirectional Converter, Math Function Based (MFB) Controller, Proportional-Integral (PI) Controller, Artificial Neural Network (ANN) Controller, Electric Vehicles (EVs), Solar Power	52, 1, 79-86	10.18280/jesa.520111	Gorantla, S., Katuri, R. (2019). A comparative study of ANN and pi controllers combined with MFB implemented to hybrid energy storage system for smooth switching between battery and ultracapacitor. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 1, pp. 79-86. https://doi.org/10.18280/jesa.520111
82	Nabil, T.	Efficient use of Oxy-hydrogen gas (HHO) in vehicle engines	HHO Gas, Engine Performance, Gas Emissions	52, 1, 87-96	10.18280/jesa.520112	Nabil, T. (2019). Efficient use of Oxy-hydrogen gas (HHO) in vehicle engines. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 1, pp. 87-96. https://doi.org/10.18280/jesa.520112
83	Pan, J., Fu, Z., Chen, H.W.	A tabu search algorithm for the discrete split delivery vehicle routing problem	Vehicle Routing, Discrete Split Delivery, Ejection Chains, Tabu Search	52, 1, 97-105	10.18280/jesa.520113	Pan, J., Fu, Z., Chen, H.W. (2019). A tabu search algorithm for the discrete split delivery vehicle routing problem. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 1, pp. 97-105. https://doi.org/10.18280/jesa.520113
84	Guo, J.Y., Zhou, S.Q., Zhang, Y.T., Wang, W.Q., Huang, S., Lv M.	Classification and processing of joint inventory information on maintenance equipment for military training vehicles based on system dynamics	Joint Inventory, Vehicle Maintenance Equipment, Military Training Vehicles (MTVs), System Dynamics, Information Classification	52, 1, 107-114	10.18280/jesa.520114	Guo, J.Y., Zhou, S.Q., Zhang, Y.T., Wang, W.Q., Huang, S., Lv M. (2019). Classification and processing of joint inventory information on maintenance equipment for military training vehicles based on system dynamics. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 52, No. 1, pp. 107-114. https://doi.org/10.18280/jesa.520114

85	Pandey, P., Litoriya, R., Tiwari, A.	A framework for fuzzy modelling in agricultural diagnostics	Agriculture, Crop Diseases, Fuzzy Logic, Fuzzy Rules, Inference, Membership Function, Defuzzification	51, 4-6, 203-223	10.3166/JESA.51.203-223	Pandey, P., Litoriya, R., Tiwari, A. (2018). A framework for fuzzy modelling in agricultural diagnostics. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 4-6, pp. 203-223. https://doi.org/10.3166/JESA.51.203-223
86	Suresh, K., Babu, A.R.V., Venkatesh, P.M.	Design and analysis of an intelligent controller for wind-solar hybrid energy conversion system	Main Controller, Speedgoat, Dspic, Grid, Wind and Solar	51, 4-6, 225-237	10.3166/JESA.51.225-237	Suresh, K., Babu, A.R.V., Venkatesh, P.M. (2018). Design and analysis of an intelligent controller for wind-solar hybrid energy conversion system. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 4-6, pp. 225-237. https://doi.org/10.3166/JESA.51.225-237
87	Liu, S., Ju, Y.X., Wang, J., Yang, F., Ma, S.C., Wang, S.X.	Design of a smart after-service system for sugarcane harvesters based on product lifecycle	Sugarcane Harvester, Service Design, Product Lifecycle, After-Service System	51, 4-6, 239-257	10.3166/JESA.51.239-257	Liu, S., Ju, Y.X., Wang, J., Yang, F., Ma, S.C., Wang, S.X. (2018). Design of a smart after-service system for sugarcane harvesters based on product lifecycle. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 4-6, pp. 239-257. https://doi.org/10.3166/JESA.51.239-257
88	Wang, Y., Wang, H., Zhang, M., Rui, J.	Quasi-periodic solutions for a nonlinear non-autonomous Hamiltonian system	Kolmogorov-Arnold-Moser (KAM) Method, Hamiltonian, Beam Equation, Quasi-Periodic Solution, Normal Form	51, 4-6, 259-271	10.3166/JESA.51.259-271	Wang, Y., Wang, H., Zhang, M., Rui, J. (2018). Quasi-periodic solutions for a nonlinear non-autonomous Hamiltonian system. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 4-6, pp. 259-271. https://doi.org/10.3166/JESA.51.259-271
89	Tan, J., Wang, Z.G., Jiang, G.Q.	Modelling and simulation of the balance of supply chain ecosystem	Supply Chain Ecosystem, Balance, Information Volume, Information Quality, Information Dissemination Speed, Information Decomposition Speed	51, 4-6, 273-281	10.3166/JESA.51.273-281	Tan, J., Wang, Z.G., Jiang, G.Q. (2018). Modelling and simulation of the balance of supply chain ecosystem. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 4-6, pp. 273-281. https://doi.org/10.3166/JESA.51.273-281
90	Singamaneni, K.K., Naidu, P.S., Kumar, P.V.S.	Efficient quantum cryptography technique for key distribution	Diffie-Hellman, RSA, Quantum Cryptography, Quantum Key Distribution	51, 4-6, 283-293	10.3166/JESA.51.283-293	Singamaneni, K.K., Naidu, P.S., Kumar, P.V.S. (2018). Efficient quantum cryptography technique for key distribution. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 4-6, pp. 283-293. https://doi.org/10.3166/JESA.51.283-293
91	Fu, H.H., Xu, J.J., Zhang, H., Zhang, M., Xu, X.X.	Fault diagnosis of wireless sensor network based on optimized probabilistic neural network	Wireless Sensor Network (WSN), Probabilistic Neural Network (PNN), Fault Diagnosis, Rough Set	51, 4-6, 295-308	10.3166/JESA.51.295-308	Fu, H.H., Xu, J.J., Zhang, H., Zhang, M., Xu, X.X. (2018). Fault diagnosis of wireless sensor network based on optimized probabilistic neural network. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 4-6, pp. 295-308. https://doi.org/10.3166/JESA.51.295-308
92	Nuthalapati, B., Sinha, U.K.	Detection of downed or Broken power line Fault not touching the ground	High Impedance Faults (HIFs), Active Smart Wires (ASW), Distributed Series Reactance (DSR), F-PLCCG (Frequency Power Line Carrier Communication Guardian	51, 4-6, 309-321	10.3166/JESA.51.309-321	Nuthalapati, B., Sinha, U.K. (2018). Detection of downed or Broken power line Fault not touching the ground. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 4-6, pp. 309-321. https://doi.org/10.3166/JESA.51.309-321
93	Li, B., Guo, C., Ning, T.	An improved bacterial foraging optimization for multi-objective flexible job-shop scheduling problem	Multi-Objective Flexible Scheduling, Bacteria Foraging Optimization Algorithm, Additional Turning, Multi-Attribute Grey Target Decision	51, 4-6, 323-332	10.3166/JESA.51.323-332	Li, B., Guo, C., Ning, T. (2018). An improved bacterial foraging optimization for multi-objective flexible job-shop scheduling problem. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 4-6, pp. 323-332. https://doi.org/10.3166/JESA.51.323-332
94	Huang, L.L., Zhou, K.	Modeling and application of an embedded real-time system based on real-time colored Petri net	Colored Petri Net, Embedded Real-Time System, Formal Modeling, Model Simulation	51, 4-6, 333-345	10.3166/JESA.51.333-345	Huang, L.L., Zhou, K. (2018). Modeling and application of an embedded real-time system based on real-time colored Petri net. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 4-6, pp. 333-345. https://doi.org/10.3166/JESA.51.333-345
95	Djellal, A., Lakel, R.	Adapted reference input to control PID-based active suspension system	Active Suspension System, PID Controller, Quarter Car Model, Passive Suspension System	51, 1-3, 7-23	10.3166/JESA.51.7-23	Djellal, A., Lakel, R. (2018). Adapted reference input to control PID-based active suspension system. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 1-3, pp. 7-23. https://doi.org/10.3166/JESA.51.7-23
96	Kumar, K.C.R., Dandibhotla, T.S., Bulusu, V.V.	Learned ontology guided opinions analysis of extracted aspects from online product reviews	Online Reviews, Product Aspects, Opinions, Adjective, Lexical Variations, Implicit Opinions, Ontology Learning, Semantic Orientation	51, 1-3, 25-49	10.3166/JESA.51.25-49	Kumar, K.C.R., Dandibhotla, T.S., Bulusu, V.V. (2018). Learned ontology guided opinions analysis of extracted aspects from online product reviews. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 1-3, pp. 25-49. https://doi.org/10.3166/JESA.51.25-49
97	Li, H.C., Yan, Z.W.	A flexible retraction cable reel based on planetary gear drive	Cable Reel, Flexible Retraction, Friction Disk, Planetary Gear, Torque	51, 1-3, 51-58	10.3166/JESA.51.51-58	Li, H.C., Yan, Z.W. (2018). A flexible retraction cable reel based on planetary gear drive. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 1-3, pp. 51-58. https://doi.org/10.3166/JESA.51.51-58
98	Zhang, S., Cao, D.X., Li, S., Min, H., Fan, F.	Inverse kinematic tension analysis and optimal design of a cable-driven parallel-series hybrid joint towards wheelchair-mounted robotic manipulator	Wheelchair-Mounted Robotic Manipulator (WMRM), Cable-Driven, Hybrid Mechanism, Spring Lateral Buckling	51, 1-3, 59-74	10.3166/JESA.51.59-74	Zhang, S., Cao, D.X., Li, S., Min, H., Fan, F. (2018). Inverse kinematic tension analysis and optimal design of a cable-driven parallel-series hybrid joint towards wheelchair-mounted robotic manipulator. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 1-3, pp. 59-74. https://doi.org/10.3166/JESA.51.59-74
99	Cui, L.M., Liao, Y.L., Zheng, D.Z.	A design method of preview controller for discrete-time systems with multiple input delays	Discrete-Time System, Input Delays, Preview Control, Lifting Method	51, 1-3, 75-87	10.3166/JESA.51.75-87	Cui, L.M., Liao, Y.L., Zheng, D.Z. (2018). A design method of preview controller for discrete-time systems with multiple input delays. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 1-3, pp. 75-87. https://doi.org/10.3166/JESA.51.75-87
100	Dutta, P., Kumar, A.	Design an intelligent flow measurement technique by optimized fuzzy logic controller	Flow Sensor, Modelling, Fuzzy Logic Controller, Membership Function	51, 1-3, 89-107	10.3166/JESA.51.89-107	Dutta, P., Kumar, A. (2018). Design an intelligent flow measurement technique by optimized fuzzy logic controller. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 1-3, pp. 89-107. https://doi.org/10.3166/JESA.51.89-107
101	Wang, S.H., Mao, C.S.	Evaluation of regional manufacturing quality competitiveness based on analytic network	Manufacturing Quality Competitiveness (MQC), Analytic Network Process (ANP), Super Decision (SD), Quality Bases, Quality Subjects, Quality Supports, Quality Benefits	51, 1-3, 109-124	10.3166/JESA.51.109-124	Wang, S.H., Mao, C.S. (2018). Evaluation of regional manufacturing quality competitiveness based on analytic network. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 1-3, pp. 109-124. https://doi.org/10.3166/JESA.51.109-124
102	Lan, C.F.	Coordination of vendor managed inventory supply chain with price-sensitive demand under consumer balking behaviour	VMI, CBB, Supply Chain, Retail Price, Coordination	51, 1-3, 125-140	10.3166/JESA.51.125-140	Lan, C.F. (2018). Coordination of vendor managed inventory supply chain with price-sensitive demand under consumer balking behavior. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 1-3, pp. 125-140. https://doi.org/10.3166/JESA.51.125-140
103	Messoul, A., Laribi, B., Youcefi, A., Kolsi, L., Aydi, A., Aichouni, M.	Numerical investigation of the performance of the etoile flow conditioner under different geometric and dynamic configurations	Computational Fluid Dynamics, Flow Conditioner, Pipe Flow, Fully Developed Flow, Flow Rate Measurements, International Standards, Industry 4.0	51, 1-3, 141-152	10.3166/JESA.51.141-152	Messoul, A., Laribi, B., Youcefi, A., Kolsi, L., Aydi, A., Aichouni, M. (2018). Numerical investigation of the performance of the etoile flow conditioner under different geometric and dynamic configurations. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 1-3, pp. 141-152. https://doi.org/10.3166/JESA.51.141-152
104	Huang, C.J., Zhou, X.H., Hou, D.S.	Online no-wait scheduling of leather workshop supply chain based on particle swarm optimization	Particle Swarm Optimization (PSO), Supply Chain, Leather Workshop, No-Wait Scheduling	51, 1-3, 153-167	10.3166/JESA.51.153-167	Huang, C.J., Zhou, X.H., Hou, D.S. (2018). Online no-wait scheduling of leather workshop supply chain based on particle swarm optimization. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 1-3, pp. 153-167. https://doi.org/10.3166/JESA.51.153-167
105	Zhang, Y.Z., Li, Q.	Damage analysis of EMU frame considering randomness under different working conditions	EMU, Frame, Dynamic Stress Test, Working Condition Identification, Fatigue Strength Evaluation, Damage Randomness	51, 1-3, 169-180	10.3166/JESA.51.169-180	Zhang, Y.Z., Li, Q. (2018). Damage analysis of EMU frame considering randomness under different working conditions. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 1-3, pp. 169-180. https://doi.org/10.3166/JESA.51.169-180

106	Gao, J., Zhang, J.	Simulation and analysis of vehicle rear-end collision based on virtual proving ground technology	Vehicles, Safety Performance, Rear-End Collision, Virtual Proving Ground (VPG) Technology, Explicit Dynamic Finite-Element Theory	51, 1-3, 181-195	10.3166/JESA.51.181-195	Gao, J., Zhang, J. (2018). Simulation and analysis of vehicle rear-end collision based on virtual proving ground technology. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 51, No. 1-3, pp. 181-195. https://doi.org/10.3166/JESA.51.181-195
107	Remloui, A., Nehari, D., Elmeriah, A., Laissouli, M.	A TRNSYS model of a direct contact membrane distillation (DCMD) system coupled to a flat plate solar collector (FPC)	Solar Desalination, Direct Contact Membrane Distillation, Flat Plate Solar Collector, Water Treatment, TRNSYS	50, 4-6, 335-360	10.3166/JESA.50.335-360	Remloui, A., Nehari, D., Elmeriah, A., Laissouli, M. (2017). A TRNSYS model of a direct contact membrane distillation (DCMD) system coupled to a flat plate solar collector (FPC). <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 4-6, pp. 335-360. https://doi.org/10.3166/JESA.50.335-360
108	Bendriss, A., Kezrane, C., Lasbet, Y., Awad, S., Loubar, K., Makhlof, M.	Experimental investigation on the influence of a biodiesel (waste cooking oil) on the performance and exhaust emissions of a compression ignition engine	Biodiesel, waste cooking oil, diesel engine, heat release analysis, emissions	50, 4-6, 361-378	10.3166/JESA.50.361-378	Bendriss, A., Kezrane, C., Lasbet, Y., Awad, S., Loubar, K., Makhlof, M. (2017). Experimental investigation on the influence of a biodiesel (waste cooking oil) on the performance and exhaust emissions of a compression ignition engine. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 4-6, pp. 361-378. https://doi.org/10.3166/JESA.50.361-378
109	Zhou, J., Wang, M.	A novel dynamic identification model for small unmanned helicopters	Small unmanned helicopter, frequency domain identification, dynamic modeling, time domain verification	50, 4-6, 379-390	10.3166/JESA.50.379-390	Zhou, J., Wang, M. (2017). A novel dynamic identification model for small unmanned helicopters. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 4-6, pp. 379-390. https://doi.org/10.3166/JESA.50.379-390
110	Soumya, R.M., Sheeja, K.L., Pathak, N.P.	Split ring resonator inspired microstrip filtenna for Ku-band application	Antenna, filter, filtenna, defected ground structure, split ring resonator, band pass filter	50, 4-6, 391-403	10.3166/JESA.20.391-403	Soumya, R.M., Sheeja, K.L., Pathak, N.P. (2017). Split ring resonator inspired microstrip filtenna for Ku-band application. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 4-6, pp. 391-403. https://doi.org/10.3166/JESA.20.391-403
111	Song, S.X., Sun, W.C., Xiao, F., Peng, S.L., An, J.Y., Wang, D.	A novel coordinated control algorithm for distributed driving electric vehicles	Vehicle Dynamics, Distributed Driving Electric Vehicle, Electric Stability Control (ESC), Drive Force Assisted Steering (DFAS)	50, 4-6, 405-421	10.3166/JESA.50.405-421	Song, S.X., Sun, W.C., Xiao, F., Peng, S.L., An, J.Y., Wang, D. (2017). A novel coordinated control algorithm for distributed driving electric vehicles. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 4-6, pp. 405-421. https://doi.org/10.3166/JESA.50.405-421
112	Suresh, K., Vijay Babu, A.R., Venkatesh, P.M.	Silicon based pentagon current control efficient-cell device memory with equidistant sensing	Transistor, memory cell, equidistant sensing	50, 4-6, 423-434	10.3166/JESA.50.423-434	Suresh, K., Vijay Babu, A.R., Venkatesh, P.M. (2017). Silicon based pentagon current control efficient-cell device memory with equidistant sensing. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 4-6, pp. 423-434. https://doi.org/10.3166/JESA.50.423-434
113	Gao, Y., Xu, H., Hu, M.Q., Liu, J., Liu, J.H.	Path planning under localization uncertainty	Path planning, Localization, Map Matching, Mobile Robot	50, 4-6, 435-448	10.3166/JESA.50.435-448	Gao, Y., Xu, H., Hu, M.Q., Liu, J., Liu, J.H. (2017). Path planning under localization uncertainty. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 4-6, pp. 435-448. https://doi.org/10.3166/JESA.50.435-448
114	Dutta, P., Kumar, A.	Design an intelligent calibration technique using optimized GA-ANN for liquid flow control system	Liquid Flow Control Process, Anemometer Type Flow Sensor, Modelling, Genetic Algorithm, Neural Network Model	50, 4-6, 449-470	10.3166/JESA.50.449-470	Dutta, P., Kumar, A. (2017). Design an intelligent calibration technique using optimized GA-ANN for liquid flow control system. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 4-6, pp. 449-470. https://doi.org/10.3166/JESA.50.449-470
115	Du, H.W., Xiong, W., Wang, H.T., Wang, Z.W.	Physical modeling and deformation simulation of flexible cable under the plane constraint	Plane Constraint, Flexible Cable, Elastic Rod Theory, Semi-Analytical Method, Deformation Simulation	50, 4-6, 471-484	10.3166/JESA.50.471-484	Du, H.W., Xiong, W., Wang, H.T., Wang, Z.W. (2017). Physical modeling and deformation simulation of flexible cable under the plane constraint. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 4-6, pp. 471-484. https://doi.org/10.3166/JESA.50.471-484
116	Haouari, F., Bali, N., Tadjine, M., Seghir Boucherit, M.	Performance improvement of flexible robot using combined observer-controller and particle swarm optimization	Flexible Robot, Backstepping Control, Coefficient Diagram Method, Nonlinear Observer, Particle Swarm Optimization	50, 4-6, 485-505	10.3166/JESA.50.485-505	Haouari, F., Bali, N., Tadjine, M., Seghir Boucherit, M. (2017). Performance improvement of flexible robot using combined observer-controller and particle swarm optimization. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 4-6, pp. 485-505. https://doi.org/10.3166/JESA.50.485-505
117	Tan, J., Jiang, G.Q., Wang, Z.G.	Evolutionary game of information sharing on supply chain network based on memory genetic algorithm	Memory Genetic Algorithm, Evolutionary Game, Supply Chain Network, Information Sharing	50, 4-6, 507-519	10.3166/JESA.50.507-519	Tan, J., Jiang, G.Q., Wang, Z.G. (2017). Evolutionary game of information sharing on supply chain network based on memory genetic algorithm. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 4-6, pp. 507-519. https://doi.org/10.3166/JESA.50.507-519
118	Pandi, C., Dandibhola, T.S., Bulusu, V.V.	Reputation based online product recommendations	Product Aspects, Opinions, Aspect Rank, Frequent Aspects, Aspect Reputation, Product Similarity, Product Recommendations	50, 4-6, 521-543	10.3166/JESA.50.521-543	Pandi, C., Dandibhola, T.S., Bulusu, V.V. (2017). Reputation based online product recommendations. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 4-6, pp. 521-543. https://doi.org/10.3166/JESA.50.521-543
119	Yang, L.L.	Numerical method for attitude motion planning of one-legged hopping robot	One-Legged Hopping Robot, Nonholonomic Constraint, Attitude Motion Planning, Optimization	50, 4-6, 545-553	10.3166/JESA.50.545-553	Yang, L.L. (2017). Numerical method for attitude motion planning of one-legged hopping robot. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 4-6, pp. 545-553. https://doi.org/10.3166/JESA.50.545-553
120	Kumar, R., Kumar Tadepalli, S.	Dissipativity criteria for digital filters with saturation nonlinearity	Dissipativity, Digital Filters, Direct Form, Lyapunov	50, 4-6, 555-568	10.3166/JESA.50.555-568	Kumar, R., Kumar Tadepalli, S. (2017). Dissipativity criteria for digital filters with saturation nonlinearity. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 4-6, pp. 555-568. https://doi.org/10.3166/JESA.50.555-568
121	Zhao, D.	Application of super-modular game model on quality and safety management of supply chain based on process control	Super-Modular Game, Process Control, Product Quality Safety Problems, Supply Chain Management	50, 4-6, 569-580	10.3166/JESA.50.569-580	Zhao, D. (2017). Application of super-modular game model on quality and safety management of supply chain based on process control. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 4-6, pp. 569-580. https://doi.org/10.3166/JESA.50.569-580
122	Camaraza-Medina, Y., Rubio-Gonzales, A.M., Cruz Fonticella, O.M., Garcia Morales, O.F.	Analysis of pressure influence over heat transfer coefficient on air cooled condenser	Breshnetov's Method, Heat Transfer Coefficient, Independent Variables	50, 3, 213-226	10.3166/JESA.50.213-226	Camaraza-Medina, Y., Rubio-Gonzales, A.M., Cruz Fonticella, O.M., Garcia Morales, O.F. (2017). Analysis of pressure influence over heat transfer coefficient on air cooled condenser. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 3, pp. 213-226. https://doi.org/10.3166/JESA.50.213-226
123	Srivastava, M., Sinha, M.K.	Computational analysis of encapsulated phase change materials latent heat thermal energy storage system	Conduction, HTF, Interface Position, Melting, Phase Change Materials, TEES	50, 3, 227-239	10.3166/JESA.50.227-239	Srivastava, M., Sinha, M.K. (2017). Computational analysis of encapsulated phase change materials latent heat thermal energy storage system. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 3, pp. 227-239. https://doi.org/10.3166/JESA.50.227-239
124	Zhang, L., Zhang, Y.S., Jin, Q., Wang, D.M., Zhang, T.	A triple closed-loop control strategy for intelligent two-car chasing system based on particle swarm optimization	Three Closed-Loop Control, Two-Car Chasing, Particle Swarm Optimization (PSO), PID	50, 3, 241-256	10.3166/JESA.50.241-256	Zhang, L., Zhang, Y.S., Jin, Q., Wang, D.M., Zhang, T. (2017). A triple closed-loop control strategy for intelligent two-car chasing system based on particle swarm optimization. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 3, pp. 241-256. https://doi.org/10.3166/JESA.50.241-256
125	Katuri, R., Gorantla, S.	Design and comparative analysis of a control strategy approach implemented to hybrid energy storage system based electric vehicle	Electric Vehicles (EVs), Converters, Battery, Ultracapacitor (UC), Hybrid Energy Storage System (HESS)	50, 3, 257-284	10.3166/JESA.50.257-284	Katuri, R., Gorantla, S. (2017). Design and comparative analysis of a control strategy approach implemented to hybrid energy storage system based electric vehicle. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 3, pp. 257-284. https://doi.org/10.3166/JESA.50.257-284
126	Wang, W.	Dynamic features and optimal lathe bed structure of horizontal machining center	Natural Frequency, Dynamic Performance, Structural Optimization	50, 3, 285-298	10.3166/JESA.50.285-298	Wang, W. (2017). Dynamic features and optimal lathe bed structure of horizontal machining center. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 3, pp. 285-298. https://doi.org/10.3166/JESA.50.285-298

127	Koochaki, M., Lotfi, M.	Design of a neural network controller for the electrode control system in the electric arc furnace	Electric Arc Furnace (EAF), Electrode Control System, Neural Energy Control (NEC)	50, 3, 299-311	10.3166/JESA.50.299-311	Koochaki, M., Lotfi, M. (2017). Design of a neural network controller for the electrode control system in the electric arc furnace. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 3, pp. 299-311. https://doi.org/10.3166/JESA.50.299-311
128	Peng, J.S., Miao, J., Wei, Q.J., Wan, Z.W., Huang, Y.Y., Tang, S.J.	An indoor mobile robot positioning system based on radio-frequency identification	MATLAB GUI, RFID, Positioning, Indoor Mobile Robots, Control Box	50, 3, 313-322	10.3166/JESA.50.313-322	Peng, J.S., Miao, J., Wei, Q.J., Wan, Z.W., Huang, Y.Y., Tang, S.J. (2017). An indoor mobile robot positioning system based on radio-frequency identification. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 3, pp. 313-322. https://doi.org/10.3166/JESA.50.313-322
129	Wang, H.	Shortest route optimization of job-shop scheduling based on ant colony algorithm	Job-Shop Scheduling Problem (JSP), Shortest Route Optimization, Ant Colony Algorithm (ACA), Simulation, Number of Iterations.	50, 3, 323-334	10.3166/JESA.50.323-334	Wang, H. (2017). Shortest route optimization of job-shop scheduling based on ant colony algorithm. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 3, pp. 323-334. https://doi.org/10.3166/JESA.50.323-334
130	Louis, J., Jungers, M., Daafouz, J.	Consistency for switched Lur'e systems. Application to sampled data control with non uniform sampling	Consistency of Switched Systems, Lur'e Type Nonlinear Systems, Non-Uniform Sampling, Sampled Data Control	50, 1-2, 9-27	10.3166/JESA.50.9-27	Louis, J., Jungers, M., Daafouz, J. (2017). Consistency for switched Lur'e systems. Application to sampled data control with non uniform sampling. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 1-2, pp. 9-27. https://doi.org/10.3166/JESA.50.9-27
131	Zabi, S., Queinnee, I., Tarbouriech, S., Garcia, G., Mazerolles, M.	New approach of anesthesia control based on dynamics decoupling	Anesthesia, Multi-Scale System, Reference Tracking, Robust Control, Saturated Control	50, 1-2, 29-47	10.3166/JESA.50.29-47	Zabi, S., Queinnee, I., Tarbouriech, S., Garcia, G., Mazerolles, M. (2017). New approach of anesthesia control based on dynamics decoupling. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 1-2, pp. 29-47. https://doi.org/10.3166/JESA.50.29-47
132	Taleb, M., Leclercq, E., Lefebvre, D.	Predictive control of dynamic hybride systems	Continuous Petri Net, Discrete Petri Net, Elementary Hybrid Petri Net, Predictive Control	50, 1-2, 49-74	10.3166/JESA.50.49-74	Taleb, M., Leclercq, E., Lefebvre, D. (2017). Predictive control of dynamic hybride systems. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 1-2, pp. 49-74. https://doi.org/10.3166/JESA.50.49-74
133	Chambon, E., Burlion, L., Apkarian, P.	Similar Metzler matrix determination using non-smooth optimization	Interval Observers, Multi-Model Synthesis, Nonsmooth Optimization	50, 1-2, 75-94	10.3166/JESA.50.75-94	Chambon, E., Burlion, L., Apkarian, P. (2017). Similar Metzler matrix determination using non-smooth optimization. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 1-2, pp. 75-94. https://doi.org/10.3166/JESA.50.75-94
134	Li, Q., Jaubertie, C., Denis-Vidal, L., Cherfi, Z., Maïga, M.	Optimal input design for parameter estimation for nonlinear dynamical systems with bounded errors and application in aeronautic domain	Bounded Error, Interval Analysis, Nonlinear System, Optimal Input Design, Parameter Estimation, State Estimation	50, 1-2, 95-115	10.3166/JESA.50.95-115	Li, Q., Jaubertie, C., Denis-Vidal, L., Cherfi, Z., Maïga, M. (2017). Optimal input design for parameter estimation for nonlinear dynamical systems with bounded-errors and application in aeronautic domain. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 1-2, pp. 95-115. https://doi.org/10.3166/JESA.50.95-115
135	Ivanova, E., Malti, R., Moreau, X.	Frequency-domain subspace system identification with fractional differentiation models	Fractional State-Space Representation, Identification In Frequency Domain, Deterministic And Stochastic Contexts, Subspace Method	50, 1-2, 117-135	10.3166/JESA.50.117-135	Ivanova, E., Malti, R., Moreau, X. (2017). Frequency-domain subspace system identification with fractional differentiation models. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 1-2, pp. 117-135. https://doi.org/10.3166/JESA.50.117-135
136	Jedidi, S., Bourdais, R., Buisson, J., Lefebvre, M.A.	Structural identifiability and decentralized identification for systems coupled by their outputs	Decentralized Identification, Identifiability, Large Scale Systems	50, 1-2, 137-155	10.3166/JESA.50.137-155	Jedidi, S., Bourdais, R., Buisson, J., Lefebvre, M.A. (2017). Structural identifiability and decentralized identification for systems coupled by their outputs. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 1-2, pp. 137-155. https://doi.org/10.3166/JESA.50.137-155
137	Lalami, I., Frein, Y., Gayon, J.P.	Demand variability and value of information sharing in the supply chain. A case study in the automotive industry	Demand Variability, Information Sharing, Inventory Management	50, 1-2, 157-186	10.3166/JESA.50.157-186	Lalami, I., Frein, Y., Gayon, J.P. (2017). Demand variability and value of information sharing in the supply chain. A case study in the automotive industry. <i>Journal Européen des Systèmes Automatisés</i> , Vol. 50, No. 1-2, pp. 157-186. https://doi.org/10.3166/JESA.50.157-186