Abdullah M Abusorrah

List of Publications by Year in Descending Order

136 papers	3,451 citations	30 h-index	55 g-index
145 ext. papers	5,106 ext. citations	6 avg, IF	6.33 L-index

#	Paper	IF	Citations
136	Decentralized bi-level stochastic optimization approach for multi-agent multi-energy networked micro-grids with multi-energy storage technologies. *Energy*, **2022**, 245, 123223	7.9	4
135	LTP Modeling and Stability Assessment of Multiple Second-Order Generalized Integrator-Based Signal Processing/Synchronization Algorithms and Their Close Variants. *IEEE Transactions on Power Electronics*, **2022**, 37, 5062-5077	7.2	4
134	QoS Prediction Model of Cloud Services Based on Deep Learning. *IEEE/CAA Journal of Automatica Sinica*, **2022**, 9, 564-566	7	3
133	A Review of DC Shipboard Microgrids Part II: Control Architectures, Stability Analysis, and Protection Schemes. *IEEE Transactions on Power Electronics*, **2022**, 37, 4105-4120	7.2	5
132	Impedance Modeling of Three-Phase Grid-Connected Voltage Source Converters With Frequency-Locked-Loop-Based Synchronization Algorithms. *IEEE Transactions on Power Electronics*, **2022**, 37, 4511-4525	7.2	1
131	More-Stable EPLL. *IEEE Transactions on Power Electronics*, **2022**, 37, 1003-1011	7.2	6
130	Valid Inequality and Variable Fixation for Unrestricted Block Relocation Problems. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-13	6.1	
129	A Bi-Population Cooperative Optimization Algorithm Assisted by an Autoencoder for Medium-Scale Expensive Problems. *IEEE/CAA Journal of Automatica Sinica*, **2022**, 1-15	7	0
128	Estimation of Parameters of Different Equivalent Circuit Models of Solar Cells and Various Photovoltaic Modules Using Hybrid Variants of Honey Badger Algorithm and Artificial Gorilla Troops Optimizer. *Mathematics*, **2022**, 10, 1057	2.3	4
127	Multi-Objective Generation Scheduling of Hydro-Thermal System Incorporating Energy Storage with Demand Side Management Considering Renewable Energy Uncertainties. *IEEE Access*, **2022**, 1-1	3.5	0
126	Real-Time Detection of False Readings in Smart Grid AMI Using Deep and Ensemble Learning. *IEEE Access*, **2022**, 10, 47541-47556	3.5	4
125	A Survey of Cyber Attacks on Cyber Physical Systems: Recent Advances and Challenges. *IEEE/CAA Journal of Automatica Sinica*, **2022**, 9, 784-800	7	12
124	Designing, optimizing and comparing distributed generation technologies as a substitute system for reducing life cycle costs, CO_2 emissions, and power losses in residential buildings. *Energy*, **2022**, 253, 123947	7.9	2
123	Single Diode Solar Cells Improved Model and Exact Current Voltage Analytical Solution Based on Lambert's W Function. *Sensors*, **2022**, 22, 4173	3.8	1
122	Multiscale Drift Detection Test to Enable Fast Learning in Nonstationary Environments. *IEEE Transactions on Cybernetics*, **2021**, 51, 3483-3495	10.2	10
121	Implicit Finite Difference Simulation of Prandtl-Eyring Nanofluid over a Flat Plate with Variable Thermal Conductivity: A Tiwari and Das Model. *Mathematics*, **2021**, 9, 3153	2.3	4
120	A Review of the Conceptualization and Operational Management of Seaport Microgrids on the Shore and Seaside. *Energies*, **2021**, 14, 7941	3.1	2

119	Optimizing Node Deployment in Rechargeable Camera Sensor Networks for Full-view Coverage. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	0
118	Open-Loop Synchronization Systems for Grid-Tied Power Converters: Literature Overview, Design Considerations, Advantages, and Disadvantages. *IEEE Industrial Electronics Magazine*, **2021**, 2-10	6.2	0
117	A Review of DC Shipboard Microgrids Part I: Power Architectures, Energy Storage and Power Converters. *IEEE Transactions on Power Electronics*, **2021**, 1-1	7.2	10
116	Optimal Transactive Energy Trading of Electric Vehicle Charging Stations with On-Site PV Generation in Constrained Power Distribution Networks. *IEEE Transactions on Smart Grid*, **2021**, 1-1	10.7	3
115	In-Loop Filters and Prefilters in Phase-Locked Loop Systems: Equivalent or Different Solutions?. *IEEE Industrial Electronics Magazine*, **2021**, 2-14	6.2	1
114	Cost-Effective and Latency-minimized Data Placement Strategy for Spatial Crowdsourcing in Multi-Cloud Environment. *IEEE Transactions on Cloud Computing*, **2021**, 1-1	3.3	1
113	A Convex Three-Stage SCOPF Approach to Power System Flexibility With Unified Power Flow Controllers. *IEEE Transactions on Power Systems*, **2021**, 36, 1947-1960	7	5
112	On the solitary wave solution of the viscosity capillarity van der Waals p-system along with Painleve analysis. *Chaos, Solitons and Fractals*, **2021**, 153, 111495	9.3	0
111	Space-vector current control of cascaded half-bridge three-phase three-wire voltage source inverter. *IET Power Electronics*, **2021**, 14, 201-210	2.2	1
110	Effective Visual Domain Adaptation via Generative Adversarial Distribution Matching. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 3919-3929	10.3	11
109	Distribution System Resilience in Ice Storms by Optimal Routing of Mobile Devices on Congested Roads. *IEEE Transactions on Smart Grid*, **2021**, 12, 1314-1328	10.7	11
108	Applying a Theta-Krill Herd Algorithm to Energy Management of a Microgrid Considering Renewable Energies and Varying Weather Conditions. *Journal of Energy Resources Technology, Transactions of the ASME*, **2021**, 143,	2.6	3
107	. *IEEE Transactions on Power Electronics*, **2021**, 36, 6685-6698	7.2	0
106	Dual-Objective Mixed Integer Linear Program and Memetic Algorithm for an Industrial Group Scheduling Problem. *IEEE/CAA Journal of Automatica Sinica*, **2021**, 8, 1199-1209	7	23
105	Optimization preparation of one-dimensional polypyrrole nanotubes for enhanced thermoelectric performance. *Polymer*, **2021**, 228, 123950	3.9	3
104	A Performance-Optimized Consensus Mechanism for Consortium Blockchains Consisting of Trust-Varying Nodes. *IEEE Transactions on Network Science and Engineering*, **2021**, 8, 2147-2159	4.9	6
103	Digital printing of a novel electrode for stable flexible organic solar cells with a power conversion efficiency of 8.5. *Scientific Reports*, **2021**, 11, 14212	4.9	3
102	Deadlock-free Supervisor Design for Robotic Manufacturing Cells With Uncontrollable and Unobservable Events. *IEEE/CAA Journal of Automatica Sinica*, **2021**, 8, 597-605	7	14

101	A Novel Semi-Supervised Learning Approach to Pedestrian Reidentification. *IEEE Internet of Things Journal*, **2021**, 8, 3042-3052	10.7	13
100	Distribution Network-Constrained Optimization of Peer-to-Peer Transactive Energy Trading Among Multi-Microgrids. *IEEE Transactions on Smart Grid*, **2021**, 12, 1033-1047	10.7	35
99	Linear Time-Periodic Modeling, Examination, and Performance Enhancement of Grid Synchronization Systems With DC Component Rejection/Estimation Capability. *IEEE Transactions on Power Electronics*, **2021**, 36, 4237-4253	7.2	8
98	Energy-Optimized Partial Computation Offloading in Mobile-Edge Computing With Genetic Simulated-Annealing-Based Particle Swarm Optimization. *IEEE Internet of Things Journal*, **2021**, 8, 3774-3785	10.7	49
97	Harmonic Linearization and Investigation of Three-Phase Parallel-Structured Signal Decomposition Algorithms in Grid-Connected Applications. *IEEE Transactions on Power Electronics*, **2021**, 36, 4198-4213	7.2	11
96	. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 22, 394-403	6.1	14
95	A Fault-tolerant Model for Performance Optimization of a Fog Computing System. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	0
94	Blockchain for Transacting Energy and Carbon Allowance in Networked Microgrids. *IEEE Transactions on Smart Grid*, **2021**, 1-1	10.7	18
93	A Dynamic Evolution Method for Autonomous Vehicle Groups in a Highway Scene. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	3
92	Recent Advances in Collaborative Scheduling of Computing Tasks in an Edge Computing Paradigm. *Sensors*, **2021**, 21,	3.8	24
91	Novel L1 Regularized Extreme Learning Machine for Soft-sensing of an Industrial Process. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	9
90	FLLs in Electrical Power & Energy Systems: Equivalent or Different to PLLs?. *IEEE Industrial Electronics Magazine*, **2021**, 0-0	6.2	4
89	Intelligent Machine Learning With Evolutionary Algorithm Based Short Term Load Forecasting in Power Systems. *IEEE Access*, **2021**, 9, 100113-100124	3.5	2
88	Modeling of a MED-TVC desalination system by considering the effects of nanoparticles: energetic and exergetic analysis. *Journal of Thermal Analysis and Calorimetry*, **2021**, 144, 2675	4.1	5
87	Decision-Tree-Initialized Dendritic Neuron Model for Fast and Accurate Data Classification. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	6
86	Standard SOGI-FLL and Its Close Variants: Precise Modeling in LTP Framework and Determining Stability Region/Robustness Metrics. *IEEE Transactions on Power Electronics*, **2021**, 36, 409-422	7.2	25
85	Surrogate-assisted Autoencoder-embedded Evolutionary Optimization Algorithm to Solve High-dimensional Expensive Problems. *IEEE Transactions on Evolutionary Computation*, **2021**, 1-1	15.6	6
84	Silver Nanowires Digital Printing for Inverted Flexible Semi-Transparent Solar Cells. *Advanced Engineering Materials*, **2021**, 23, 2001305	3.5	8

83	Impact of magnetic dipole on ferromagnetic hybrid nanofluid flow over a stretching cylinder. *Physica Scripta*, **2021**, 96, 045215	2.6	49
82	Sensitivity analysis on thermophysical properties efficacy on PCM-based heat sink usefulness: effects of solid particles versus liquid phase fraction. *Journal of Thermal Analysis and Calorimetry*, **2021**, 144, 2699	4.1	0
81	Numerical study on heat loss from the surface of solar collector tube filled by oil-NE-PCM/Al2O3 in the presence of the magnetic field. *Journal of Thermal Analysis and Calorimetry*, **2021**, 144, 2627	4.1	3
80	Disassembly Sequence Planning: A Survey. *IEEE/CAA Journal of Automatica Sinica*, **2021**, 8, 1308-1324	7	28
79	An investigation of the second law performance for a condenser used in 210 MW thermal power station. *Case Studies in Thermal Engineering*, **2021**, 26, 100992	5.6	2
78	. *IEEE Sensors Journal*, **2021**, 21, 17308-17317	4	4
77	A comprehensive parametric investigation of hemispherical cavities on thermal performance and flow-dynamics in the triangular-duct solar-assisted air-heater. *Renewable Energy*, **2021**, 173, 896-912	8.1	14
76	Cross-Layer Distributed Control Strategy for Cyber Resilient Microgrids. *IEEE Transactions on Smart Grid*, **2021**, 12, 3705-3717	10.7	9
75	Economical-technical-environmental operation of power networks with wind-solar-hydropower generation using analytic hierarchy process and improved grey wolf algorithm. *Ain Shams Engineering Journal*, **2021**, 12, 2717-2734	4.4	23
74	Intelligent and Data-Driven Fault Detection of Photovoltaic Plants. *Processes*, **2021**, 9, 1711	2.9	2
73	Reducing Fault Current by Using FACTS Devices to Improve Electrical Power Flow. *Mathematical Problems in Engineering*, **2021**, 2021, 1-9	1.1	1
72	Utilization of solar energy for wastewater treatment: Challenges and progressive research trends. *Journal of Environmental Management*, **2021**, 297, 113300	7.9	13
71	A detailed hydrothermal investigation of a helical micro double-tube heat exchanger for a wide range of helix pitch length. *Case Studies in Thermal Engineering*, **2021**, 28, 101413	5.6	14
70	Dynamic Embedding Projection-Gated Convolutional Neural Networks for Text Classification. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	9
69	Sparse Individual Low-rank Component Representation for Face Recognition in IoT-based System. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	4
68	Optimizing Weighted Extreme Learning Machines for imbalanced classification and application to credit card fraud detection. *Neurocomputing*, **2020**, 407, 50-62	5.4	29
67	A Cyber-Attack Resilient Distributed Control Strategy in Islanded Microgrids. *IEEE Transactions on Smart Grid*, **2020**, 11, 3690-3701	10.7	44
66	Enhanced Intelligent Energy Management System for a Renewable Energy-Based AC Microgrid. *Energies*, **2020**, 13, 3268	3.1	3

65	Fine-grained resource provisioning and task scheduling for heterogeneous applications in distributed green clouds. *IEEE/CAA Journal of Automatica Sinica*, **2020**, 1-13	7	30
64	Soft Sensing of Nonlinear and Multimode Processes Based on Semi-Supervised Weighted Gaussian Regression. *IEEE Sensors Journal*, **2020**, 20, 12950-12960	4	10
63	New Challenges in the Design of Microgrid Systems: Communication Networks, Cyberattacks, and Resilience. *IEEE Electrification Magazine*, **2020**, 8, 98-106	2.6	16
62	Aspect-Based Sentiment Analysis: A Survey of Deep Learning Methods. *IEEE Transactions on Computational Social Systems*, **2020**, 7, 1358-1375	4.5	18
61	All-Pass-Filter-Based PLL Systems: Linear Modeling, Analysis, and Comparative Evaluation. *IEEE Transactions on Power Electronics*, **2020**, 35, 3558-3572	7.2	32
60	Distributed Secondary Control for Islanded Microgrids With Mobile Emergency Resources. *IEEE Transactions on Power Systems*, **2020**, 35, 1389-1399	7	27
59	A New THD Measurement Method With Small Computational Burden Using a SOGI-FLL Grid Monitoring System. *IEEE Transactions on Power Electronics*, **2020**, 35, 5797-5811	7.2	11
58	Unification Scheme for Managing Master Controller Failures in Networked Microgrids. *IEEE Transactions on Power Systems*, **2020**, 35, 3004-3014	7	8
57	Optimal Consensus-Based Distributed Control Strategy for Coordinated Operation of Networked Microgrids. *IEEE Transactions on Power Systems*, **2020**, 35, 2452-2462	7	46
56	Enhanced Subspace Distribution Matching for Fast Visual Domain Adaptation. *IEEE Transactions on Computational Social Systems*, **2020**, 7, 1047-1057	4.5	11
55	Scheduling Robotic Cellular Manufacturing Systems With Timed Petri Net, A* Search, and Admissible Heuristic Function. *IEEE Transactions on Automation Science and Engineering*, **2020**, 1-8	4.9	4
54	The Proliferation of Solar Photovoltaics: Their Impact on Widespread Deployment of Electric Vehicles. *IEEE Electrification Magazine*, **2020**, 8, 79-91	2.6	6
53	Energy Commitment for a Power System Supplied by Multiple Energy Carriers System using Following Optimization Algorithm. *Applied Sciences (Switzerland)*, **2020**, 10, 5862	2.6	7
52	. *IEEE Communications Surveys and Tutorials*, **2020**, 22, 2586-2633	37.1	80
51	Compartmentalization Strategy for the Optimal Economic Operation of a Hybrid AC/DC Microgrid. *IEEE Transactions on Power Systems*, **2020**, 35, 1294-1304	7	24
50	Flexible Division and Unification Control Strategies for Resilience Enhancement in Networked Microgrids. *IEEE Transactions on Power Systems*, **2020**, 35, 474-486	7	40
49	Privacy-Preserving Distributed Control Strategy for Optimal Economic Operation in Islanded Reconfigurable Microgrids. *IEEE Transactions on Power Systems*, **2020**, 35, 3847-3856	7	19
48	Single-Phase FLLs Based on Linear Kalman Filter, Limit-Cycle Oscillator, and Complex Bandpass Filter: Analysis and Comparison With a Standard FLL in Grid Applications. *IEEE Transactions on Power Electronics*, **2019**, 34, 11774-11790	7.2	22

47	Advanced Single-Phase DSC-Based PLLs. *IEEE Transactions on Power Electronics*, **2019**, 34, 3226-3238	7.2	22
46	Modeling and Tuning of Adaptive Complex Current Controller for Three-Phase Grid-Interfaced Power Converters **2019**,		1
45	Minimax-Regret Robust Defensive Strategy Against False Data Injection Attacks. *IEEE Transactions on Smart Grid*, **2019**, 10, 2068-2079	10.7	24
44	A Study on Three-Phase FLLs. *IEEE Transactions on Power Electronics*, **2019**, 34, 213-224	7.2	43
43	Modeling, Tuning, and Performance Comparison of Second-Order-Generalized-Integrator-Based FLLs. *IEEE Transactions on Power Electronics*, **2018**, 33, 10229-10239	7.2	83
42	Research On Variable-Length Transfer Delay and Delayed-Signal-Cancellation-Based PLLs. *IEEE Transactions on Power Electronics*, **2018**, 33, 8388-8398	7.2	22
41	Analyzing Locally Coordinated Cyber-Physical Attacks for Undetectable Line Outages. *IEEE Transactions on Smart Grid*, **2018**, 9, 35-47	10.7	51
40	A Family of Gradient Descent Grid Frequency Estimators for the SOGI Filter. *IEEE Transactions on Power Electronics*, **2018**, 33, 5796-5810	7.2	40
39	Nonaveraged control-oriented modeling and relative stability analysis of DC-DC switching converters. *International Journal of Circuit Theory and Applications*, **2018**, 46, 565-580	2	5
38	Stochastic Security-Constrained Scheduling of Coordinated Electricity and Natural Gas Infrastructures. *IEEE Systems Journal*, **2017**, 11, 1674-1683	4.3	85
37	Reliability-Based Optimal Planning of Electricity and Natural Gas Interconnections for Multiple Energy Hubs. *IEEE Transactions on Smart Grid*, **2017**, 8, 1658-1667	10.7	104
36	Optimal Interconnection Planning of Community Microgrids With Renewable Energy Sources. *IEEE Transactions on Smart Grid*, **2017**, 8, 1054-1063	10.7	144
35	. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 2848-2854	8.9	44
34	Conventional and modified MPPT techniques with direct control and dual scaled adaptive step-size. *Solar Energy*, **2017**, 157, 1017-1031	6.8	25
33	Avoiding instabilities in power electronic systems: toward an on-chip implementation. *IET Power Electronics*, **2017**, 10, 1778-1787	2.2	6
32	A game theoretic approach to risk-based optimal bidding strategies for electric vehicle aggregators in electricity markets with variable wind energy resources **2016**,		3
31	Hourly Electricity Demand Response in the Stochastic Day-Ahead Scheduling of Coordinated Electricity and Natural Gas Networks. *IEEE Transactions on Power Systems*, **2016**, 31, 592-601	7	175
30	Electricity-Natural Gas Operation Planning With Hourly Demand Response for Deployment of Flexible Ramp. *IEEE Transactions on Sustainable Energy*, **2016**, 7, 996-1004	8.2	103

#	Title	IF	Citations
29	A Game Theoretic Approach to Risk-Based Optimal Bidding Strategies for Electric Vehicle Aggregators in Electricity Markets With Variable Wind Energy Resources. *IEEE Transactions on Sustainable Energy*, **2016**, 7, 374-385	8.2	125
28	Bilevel Model for Analyzing Coordinated Cyber-Physical Attacks on Power Systems. *IEEE Transactions on Smart Grid*, **2016**, 7, 2260-2272	10.7	130
27	Fast-scale stability limits of a two-stage boost power converter. *International Journal of Circuit Theory and Applications*, **2016**, 44, 1127-1141	2	14
26	Complex non-linear phenomena and stability analysis of interconnected power converters used in distributed power systems. *IET Power Electronics*, **2016**, 9, 855-863	2.2	12
25	The co-learning in the design, simulation and optimization of a solar concentrating system. *Computers in Human Behavior*, **2015**, 51, 857-866	7.7	
24	Thermal Generation Flexibility With Ramping Costs and Hourly Demand Response in Stochastic Security-Constrained Scheduling of Variable Energy Sources. *IEEE Transactions on Power Systems*, **2015**, 30, 2955-2964	7	93
23	. *IEEE Transactions on Industrial Electronics*, **2015**, 62, 5018-5022	8.9	35
22	Demand Response Exchange in the Stochastic Day-Ahead Scheduling With Variable Renewable Generation. *IEEE Transactions on Sustainable Energy*, **2015**, 6, 516-525	8.2	118
21	Coordination of Interdependent Natural Gas and Electricity Infrastructures for Firming the Variability of Wind Energy in Stochastic Day-Ahead Scheduling. *IEEE Transactions on Sustainable Energy*, **2015**, 6, 606-615	8.2	202
20	Analysis of Discontinuity Induced Bifurcations in a Dual Input DC-DC Converter. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2015**, 25, 1550071	2	6
19	Non-linear modelling and stability analysis of resonant DC‒DC converters. *IET Power Electronics*, **2015**, 8, 2492-2503	2.2	9
18	Security-Constrained Co-Optimization Planning of Electricity and Natural Gas Transportation Infrastructures. *IEEE Transactions on Power Systems*, **2015**, 30, 2984-2993	7	99
17	Optimal Expansion Planning of Energy Hub With Multiple Energy Infrastructures. *IEEE Transactions on Smart Grid*, **2015**, 6, 2302-2311	10.7	291
16	The Application of the Linear Adaptive Genetic Algorithm to Optimal Power Flow Problem. *Arabian Journal for Science and Engineering*, **2014**, 39, 4901-4909		7
15	Real Time Parameter Estimation for Power Quality Control and Intelligent Protection of Grid-Connected Power Electronic Converters. *IEEE Transactions on Smart Grid*, **2014**, 5, 1602-1607	10.7	42
14	Nonlinear Dynamics and Bifurcation Analysis of a Boost Converter for Battery Charging in Photovoltaic Applications. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2014**, 24, 1450142	2	25
13	MAF-PLL With Phase-Lead Compensator. *IEEE Transactions on Industrial Electronics*, **2014**, 1-1	8.9	46
12	Foldings and grazings of tori in current controlled interleaved boost converters. *International Journal of Circuit Theory and Applications*, **2014**, 42, 1080-1091	2	13

List of Publications

11	Stability of a boost converter fed from photovoltaic source. *Solar Energy*, **2013**, 98, 458-471	6.8	37
10	Optimal Power Flow Using Adaptive Fuzzy Logic Controllers. *Mathematical Problems in Engineering*, **2013**, 2013, 1-7	1.1	5
9	Dynamical analysis of single-inductor dual-output DC-DC converters **2013**,		6
8	Optimal Power Flow Using Adapted Genetic Algorithm with Adjusting Population Size. *Electric Power Components and Systems*, **2012**, 40, 1285-1299	1	57
7	Improved Power Quality Control and Intelligent Protection for Grid Connected Power Electronic Converters, using Real Time Parameter Estimation. *Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)*, **2006**,		10
6	Optimum Firing of SVC's for Normal and Emergency Reactive Power Control. *Electric Power Components and Systems*, **2004**, 32, 785-800	1	1
5	Optimal sizing of hybrid renewable energy systems by considering power sharing and electric vehicles. *International Journal of Energy Research*,	4.5	4
4	A new voltage regulation strategy using developed power sharing techniques for solar photovoltaic generation-based microgrids. *Electrical Engineering*,1	1.5	4
3	Experimental investigation for heat and flow characteristics of solar air heater having symmetrical gaps in multiple-arc rib pattern as roughness elements. *Experimental Heat Transfer*,1-18	2.4	5
2	Artificial neural networks for water quality soft-sensing in wastewater treatment: a review. *Artificial Intelligence Review*,1	9.7	9
1	Making accurate object detection at the edge: review and new approach. *Artificial Intelligence Review*,1	9.7	5