

Mohammed A El-Meligy

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

873
citations

394421

19
h-index

477307

29
g-index

33
all docs

33
docs citations

33
times ranked

760
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel fuzzy cloud stochastic framework for energy management of renewable microgrids based on maximum deployment of electric vehicles. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 129, 106845.	5.5	79
2	Synthesis of chitosan/MCM-48 and β -cyclodextrin/MCM-48 composites as bio-adsorbents for environmental removal of Cd ²⁺ ions; kinetic and equilibrium studies. <i>Reactive and Functional Polymers</i> , 2020, 154, 104675.	4.1	72
3	Biogenic Gold Nanoparticles as Potent Antibacterial and Antibiofilm Nano-Antibiotics against <i>Pseudomonas aeruginosa</i> . <i>Antibiotics</i> , 2020, 9, 100.	3.7	56
4	A Novel Hybrid Approach Based on Deep CNN Features to Detect Knee Osteoarthritis. <i>Sensors</i> , 2021, 21, 6189.	3.8	52
5	A Self-Activated CNN Approach for Multi-Class Chest-Related COVID-19 Detection. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9023.	2.5	44
6	Investigation on friction stir welding of hybrid composites fabricated on Al–Zn–Mg–Cu alloy through friction stir processing. <i>Journal of Materials Research and Technology</i> , 2019, 8, 3733-3740.	5.8	40
7	Instantaneous oxidation of levofloxacin as toxic pharmaceutical residuals in water using clay nanotubes decorated by ZnO (ZnO/KNTs) as a novel photocatalyst under visible light source. <i>Journal of Environmental Management</i> , 2020, 271, 111019.	7.8	37
8	On Multiplexity-Aware Influence Spread in Social Networks. <i>IEEE Access</i> , 2020, 8, 106705-106713.	4.2	36
9	Insight into the Loading and Release Properties of MCM-48/Biopolymer Composites as Carriers for 5-Fluorouracil: Equilibrium Modeling and Pharmacokinetic Studies. <i>ACS Omega</i> , 2020, 5, 11745-11755.	3.5	35
10	A Novel High-Gain Soft-Switching DC-DC Converter With Improved P&O MPPT for Photovoltaic Applications. <i>IEEE Access</i> , 2021, 9, 58790-58806.	4.2	35
11	Trustworthiness Modeling and Analysis of Cyber-physical Manufacturing Systems. <i>IEEE Access</i> , 2017, 5, 26076-26085.	4.2	30
12	On Algebraic Identification of Critical States for Deadlock Control in Automated Manufacturing Systems Modeled With Petri Nets. <i>IEEE Access</i> , 2019, 7, 121332-121349.	4.2	30
13	Enhancing the removal of organic and inorganic selenium ions using an exfoliated kaolinite/cellulose fibres nanocomposite. <i>Carbohydrate Polymers</i> , 2021, 252, 117163.	10.2	30
14	Towards Energy Management Negotiation Between Distributed AC/DC Networks. <i>IEEE Access</i> , 2020, 8, 215438-215456.	4.2	28
15	Diagnosability of Vector Discrete-Event Systems Using Predicates. <i>IEEE Access</i> , 2019, 7, 147143-147155.	4.2	26
16	An Attribute-Based Access Control for IoT Using Blockchain and Smart Contracts. <i>Sustainability</i> , 2021, 13, 10556.	3.2	26
17	Evaluation and characterization of Egyptian ferruginous kaolinite as adsorbent and heterogeneous catalyst for effective removal of safranin-O cationic dye from water. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	24
18	Transesterification of commercial waste cooking oil into biodiesel over innovative alkali trapped zeolite nanocomposite as green and environmental catalysts. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 17, 100289.	3.3	22

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19	The effect of different green alkali modification processes on the clinoptilolite surface as adsorbent for ammonium ions; characterization and application. <i>Microporous and Mesoporous Materials</i> , 2020, 300, 110145.	4.4	22
20	Sensitivity analysis and vibration control of asymmetric nonlinear rotating shaft system utilizing 4-pole AMBs as an actuator. <i>European Journal of Mechanics, A/Solids</i> , 2021, 86, 104145.	3.7	21
21	Another Approach to Characterize Particle Distribution during Surface Composite Fabrication Using Friction Stir Processing. <i>Metals</i> , 2018, 8, 568.	2.3	19
22	Analysis of the rub-impact forces between a controlled nonlinear rotating shaft system and the electromagnet pole legs. <i>Applied Mathematical Modelling</i> , 2021, 93, 792-810.	4.2	19
23	An Efficient Deadlock Recovery Policy for Flexible Manufacturing Systems Modeled With Petri Nets. <i>IEEE Access</i> , 2019, 7, 11785-11795.	4.2	17
24	Radial Versus Cartesian Control Strategies to Stabilize the Nonlinear Whirling Motion of the Six-Pole Rotor-AMBs. <i>IEEE Access</i> , 2020, 8, 138859-138883.	4.2	16
25	Outlier Processing in Multimodal Emotion Recognition. <i>IEEE Access</i> , 2020, 8, 55688-55701.	4.2	11
26	Hybrid robust/stochastic transmission expansion planning considering uncertainties in generators's offer prices: A second-order cone program approach. <i>Electric Power Systems Research</i> , 2022, 203, 107631.	3.6	10
27	Comparative Analysis of Sequential and Combinatorial Auctions Based on Petri Nets. <i>IEEE Access</i> , 2018, 6, 38071-38085.	4.2	7
28	Adaptive versus Conventional Positive Position Feedback Controller to Suppress a Nonlinear System Vibrations. <i>Symmetry</i> , 2021, 13, 255.	2.2	7
29	Trust-Based Petri Net Model for Fault Detection and Treatment in Automated Manufacturing Systems. <i>IEEE Access</i> , 2021, 9, 157997-158009.	4.2	7
30	Preparation of letrozole dispersed pHEMA/AAm-g-LDPE drug release system: In-vitro release kinetics for the treatment of endometriosis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 445-452.	5.0	6
31	Time-Delayed Nonlinear Feedback Controllers to Suppress the Principal Parameter Excitation. <i>IEEE Access</i> , 2020, 8, 226151-226166.	4.2	4
32	A stochastic programming approach using multiple uncertainty sets for AC robust transmission expansion planning. <i>Sustainable Energy, Grids and Networks</i> , 2022, 30, 100648.	3.9	4