Mohammed A El-Meligy

List of Publications by Year
in descending order

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	Hybrid robust/stochastic transmission expansion planning considering uncertainties in generators' offer prices: A second-order cone program approach. Electric Power Systems Research, 2022, 203, 107631.	3.6	10
2	A stochastic programming approach using multiple uncertainty sets for AC robust transmission expansion planning. Sustainable Energy, Grids and Networks, 2022, 30, 100648.	3.9	4
3	Enhancing the removal of organic and inorganic selenium ions using an exfoliated kaolinite/cellulose fibres nanocomposite. Carbohydrate Polymers, 2021, 252, 117163.	10.2	30
4	Sensitivity analysis and vibration control of asymmetric nonlinear rotating shaft system utilizing 4-pole AMBs as an actuator. European Journal of Mechanics, A/Solids, 2021, 86, 104145.	3.7	21
5	A Novel High-Gain Soft-Switching DC-DC Converter With Improved P&O MPPT for Photovoltaic Applications. IEEE Access, 2021, 9, 58790-58806.	4.2	35
6	Adaptive versus Conventional Positive Position Feedback Controller to Suppress a Nonlinear System Vibrations. Symmetry, 2021, 13, 255.	2.2	7
7	Analysis of the rub-impact forces between a controlled nonlinear rotating shaft system and the electromagnet pole legs. Applied Mathematical Modelling, 2021, 93, 792-810.	4.2	19
8	A novel fuzzy cloud stochastic framework for energy management of renewable microgrids based on maximum deployment of electric vehicles. International Journal of Electrical Power and Energy Systems, 2021, 129, 106845.	5.5	79
9	An Attribute-Based Access Control for IoT Using Blockchain and Smart Contracts. Sustainability, 2021, 13, 10556.	3.2	26
10	A Self-Activated CNN Approach for Multi-Class Chest-Related COVID-19 Detection. Applied Sciences (Switzerland), 2021, 11, 9023.	2.5	44
11	A Novel Hybrid Approach Based on Deep CNN Features to Detect Knee Osteoarthritis. Sensors, 2021, 21, 6189.	3.8	52
12	Trust-Based Petri Net Model for Fault Detection and Treatment in Automated Manufacturing Systems. IEEE Access, 2021, 9, 157997-158009.	4.2	7
13	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. Journal of Environmental Management, 2020, 271, 111019.	7.8	37
14	Radial Versus Cartesian Control Strategies to Stabilize the Nonlinear Whirling Motion of the Six-Pole Rotor-AMBs. IEEE Access, 2020, 8, 138859-138883.	4.2	16
15	Towards Energy Management Negotiation Between Distributed AC/DC Networks. IEEE Access, 2020, 8, 215438-215456.	4.2	28
16	Insight into the Loading and Release Properties of MCM-48/Biopolymer Composites as Carriers for 5-Fluorouracil: Equilibrium Modeling and Pharmacokinetic Studies. ACS Omega, 2020, 5, 11745-11755.	3.5	35
17	Transesterification of commercial waste cooking oil into biodiesel over innovative alkali trapped zeolite nanocomposite as green and environmental catalysts. Sustainable Chemistry and Pharmacy, 2020, 17, 100289.	3.3	22
18	Biogenic Gold Nanoparticles as Potent Antibacterial and Antibiofilm Nano-Antibiotics against Pseudomonas aeruginosa. Antibiotics, 2020, 9, 100.	3.7	56

#	Article	IF	Citations
19	The effect of different green alkali modification processes on the clinoptilolite surface as adsorbent for ammonium ions; characterization and application. Microporous and Mesoporous Materials, 2020, 300, 110145.	4.4	22
20	Synthesis of chitosan/MCM-48 and β-cyclodextrin/MCM-48 composites as bio-adsorbents for environmental removal of Cd2+ ions; kinetic and equilibrium studies. Reactive and Functional Polymers, 2020, 154, 104675.	4.1	72
21	On Multiplexity-Aware Influence Spread in Social Networks. IEEE Access, 2020, 8, 106705-106713.	4.2	36
22	Evaluation and characterization of Egyptian ferruginous kaolinite as adsorbent and heterogeneous catalyst for effective removal of safranin-O cationic dye from water. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	24
23	Outlier Processing in Multimodal Emotion Recognition. IEEE Access, 2020, 8, 55688-55701.	4.2	11
24	Time-Delayed Nonlinear Feedback Controllers to Suppress the Principal Parameter Excitation. IEEE Access, 2020, 8, 226151-226166.	4.2	4
25	Investigation on friction stir welding of hybrid composites fabricated on Al–Zn–Mg–Cu alloy through friction stir processing. Journal of Materials Research and Technology, 2019, 8, 3733-3740.	5.8	40
26	Diagnosability of Vector Discrete-Event Systems Using Predicates. IEEE Access, 2019, 7, 147143-147155.	4.2	26
27	On Algebraic Identification of Critical States for Deadlock Control in Automated Manufacturing Systems Modeled With Petri Nets. IEEE Access, 2019, 7, 121332-121349.	4.2	30
28	An Efficient Deadlock Recovery Policy for Flexible Manufacturing Systems Modeled With Petri Nets. IEEE Access, 2019, 7, 11785-11795.	4.2	17
29	Preparation of letrozole dispersed pHEMA/AAm-g-LDPE drug release system: In-vitro release kinetics for the treatment of endometriosis. Colloids and Surfaces B: Biointerfaces, 2019, 179, 445-452.	5.0	6
30	Comparative Analysis of Sequential and Combinatorial Auctions Based on Petri Nets. IEEE Access, 2018, 6, 38071-38085.	4.2	7
31	Another Approach to Characterize Particle Distribution during Surface Composite Fabrication Using Friction Stir Processing. Metals, 2018, 8, 568.	2.3	19
32	Trustworthiness Modeling and Analysis of Cyber-physical Manufacturing Systems. IEEE Access, 2017, 5, 26076-26085.	4.2	30