

Emad Mahrous Awwad

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

716
citations

489802

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27
all docs

27
docs citations

27
times ranked

680
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the removal of organic and inorganic selenium ions using an exfoliated kaolinite/cellulose fibres nanocomposite. Carbohydrate Polymers, 2021, 252, 117163.	5.1	30
2	Mn3O4 nanoparticles: Synthesis, characterization and their antimicrobial and anticancer activity against A549 and MCF-7 cell lines. Saudi Journal of Biological Sciences, 2021, 28, 1196-1202.	1.8	24
3	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.	2.1	21
4	Spilanthes acmella Leaves Extract for Corrosion Inhibition in Acid Medium. Coatings, 2021, 11, 106.	1.2	17
5	A Secured Advanced Management Architecture in Peer-to-Peer Energy Trading for Multi-Microgrid in the Stochastic Environment. IEEE Access, 2021, 9, 92083-92100.	2.6	45
6	Sizing and Cost Minimization of Standalone Hybrid WT/PV/Biomass/Pump-Hydro Storage-Based Energy Systems. Energies, 2021, 14, 489.	1.6	42
7	Adaptive versus Conventional Positive Position Feedback Controller to Suppress a Nonlinear System Vibrations. Symmetry, 2021, 13, 255.	1.1	7
8	Computational Study of Structural, Molecular Orbitals, Optical and Thermodynamic Parameters of Thiophene Sulfonamide Derivatives. Crystals, 2021, 11, 211.	1.0	24
9	Application of Resolvability Technique to Investigate the Different Polyphenyl Structures for Polymer Industry. Journal of Chemistry, 2021, 2021, 1-8.	0.9	25
10	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.	2.2	19
11	Impact of Macrodiols on the Morphological Behavior of H12MDI/HDO-Based Polyurethane Elastomer. Polymers, 2021, 13, 2060.	2.0	5
12	Rub-Impact Force Induces Periodic, Quasiperiodic, and Chaotic Motions of a Controlled Asymmetric Rotor System. Shock and Vibration, 2021, 2021, 1-27.	0.3	7
13	Nonlinear Dynamics and Motion Bifurcations of the Rotor Active Magnetic Bearings System with a New Control Scheme and Rub-Impact Force. Symmetry, 2021, 13, 1502.	1.1	22
14	A stochastic machine learning based approach for observability enhancement of automated smart grids. Sustainable Cities and Society, 2021, 72, 103071.	5.1	21
15	Towards distributed based energy transaction in a clean smart island. Journal of Cleaner Production, 2020, 273, 122768.	4.6	58
16	Radial Versus Cartesian Control Strategies to Stabilize the Nonlinear Whirling Motion of the Six-Pole Rotor-AMBs. IEEE Access, 2020, 8, 138859-138883.	2.6	16
17	Homomorphic Encryption of Supervisory Control Systems Using Automata. IEEE Access, 2020, 8, 147185-147198.	2.6	35
18	Nonlinear dynamics of the six-pole rotor-AMB system under two different control configurations. Nonlinear Dynamics, 2020, 101, 2299-2323.	2.7	20

#	ARTICLE	IF	CITATIONS
19	Optimal scheduling of reconfigurable grids considering dynamic line rating constraint. IET Generation, Transmission and Distribution, 2020, 14, 1862-1871.	1.4	34
20	Stochastic and distributed scheduling of shipboard power systems using M ² FOA-ADMM. Energy, 2020, 206, 118041.	4.5	26
21	Spinal Cord Segmentation in Ultrasound Medical Imagery. Applied Sciences (Switzerland), 2020, 10, 1370.	1.3	15
22	Effective Sequestration of Phosphate and Ammonium Ions by the Bentonite/Zeolite Na ⁺ -P Composite as a Simple Technique to Control the Eutrophication Phenomenon: Realistic Studies. ACS Omega, 2020, 5, 14656-14668.	1.6	20
23	A two-stage stochastic framework for effective management of multiple energy carriers. Energy, 2020, 197, 117170.	4.5	35
24	An Intelligent Secured Framework for Cyberattack Detection in Electric Vehicles TM CAN Bus Using Machine Learning. IEEE Access, 2019, 7, 127580-127592.	2.6	95
25	A Reliability-Oriented Fuzzy Stochastic Framework in Automated Distribution Grids to Allocate \$mu\$-PMUs. IEEE Access, 2019, 7, 33393-33404.	2.6	28