

# Emad Mahrous Awwad

## List of Publications by Year in descending order

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25  
papers

716  
citations

430874

18  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

620  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Intelligent Secured Framework for Cyberattack Detection in Electric Vehiclesâ€™ CAN Bus Using Machine Learning. IEEE Access, 2019, 7, 127580-127592.	4.2	95
2	Towards distributed based energy transaction in a clean smart island. Journal of Cleaner Production, 2020, 273, 122768.	9.3	58
3	A Secured Advanced Management Architecture in Peer-to-Peer Energy Trading for Multi-Microgrid in the Stochastic Environment. IEEE Access, 2021, 9, 92083-92100.	4.2	45
4	Sizing and Cost Minimization of Standalone Hybrid WT/PV/Biomass/Pump-Hydro Storage-Based Energy Systems. Energies, 2021, 14, 489.	3.1	42
5	Homomorphic Encryption of Supervisory Control Systems Using Automata. IEEE Access, 2020, 8, 147185-147198.	4.2	35
6	A two-stage stochastic framework for effective management of multiple energy carriers. Energy, 2020, 197, 117170.	8.8	35
7	Optimal scheduling of reconfigurable grids considering dynamic line rating constraint. IET Generation, Transmission and Distribution, 2020, 14, 1862-1871.	2.5	34
8	Enhancing the removal of organic and inorganic selenium ions using an exfoliated kaolinite/cellulose fibres nanocomposite. Carbohydrate Polymers, 2021, 252, 117163.	10.2	30
9	A Reliability-Oriented Fuzzy Stochastic Framework in Automated Distribution Grids to Allocate \$mu\$-PMUs. IEEE Access, 2019, 7, 33393-33404.	4.2	28
10	Stochastic and distributed scheduling of shipboard power systems using MFOA-ADMM. Energy, 2020, 206, 118041.	8.8	26
11	Application of Resolvability Technique to Investigate the Different Polyphenyl Structures for Polymer Industry. Journal of Chemistry, 2021, 2021, 1-8.	1.9	25
12	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.	3.8	24
13	Computational Study of Structural, Molecular Orbitals, Optical and Thermodynamic Parameters of Thiophene Sulfonamide Derivatives. Crystals, 2021, 11, 211.	2.2	24
14	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.	2.2	22
15	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
16	A stochastic machine learning based approach for observability enhancement of automated smart grids. Sustainable Cities and Society, 2021, 72, 103071.	10.4	21
17	Nonlinear dynamics of the six-pole rotor-AMB system under two different control configurations. Nonlinear Dynamics, 2020, 101, 2299-2323.	5.2	20
18	Effective Sequestration of Phosphate and Ammonium Ions by the Bentonite/Zelite Naâ€‘P Composite as a Simple Technique to Control the Eutrophication Phenomenon: Realistic Studies. ACS Omega, 2020, 5, 14656-14668.	3.5	20

#	ARTICLE	IF	CITATIONS
19	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
20	Spilanthes acmella Leaves Extract for Corrosion Inhibition in Acid Medium. <i>Coatings</i> , 2021, 11, 106.	2.6	17
21	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
22	Spinal Cord Segmentation in Ultrasound Medical Imagery. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1370.	2.5	15
23	Adaptive versus Conventional Positive Position Feedback Controller to Suppress a Nonlinear System Vibrations. <i>Symmetry</i> , 2021, 13, 255.	2.2	7
24	Rub-Impact Force Induces Periodic, Quasiperiodic, and Chaotic Motions of a Controlled Asymmetric Rotor System. <i>Shock and Vibration</i> , 2021, 2021, 1-27.	0.6	7
25	Impact of Macrodiols on the Morphological Behavior of H12MDI/HDO-Based Polyurethane Elastomer. <i>Polymers</i> , 2021, 13, 2060.	4.5	5