

Amir Ameli

List of Publications by Citations

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45
papers

1,326
citations

17
h-index

36
g-index

49
ext. papers

1,690
ext. citations

5.6
avg, IF

5.35
L-index

#	Paper	IF	Citations
45	3D printed highly elastic strain sensors of multiwalled carbon nanotube/thermoplastic polyurethane nanocomposites. <i>Materials and Design</i> , 2017 , 131, 394-401	8.1	247
44	A Multiobjective Particle Swarm Optimization for Sizing and Placement of DGs from DG Owners and Distribution Company's Viewpoints. <i>IEEE Transactions on Power Delivery</i> , 2014 , 29, 1831-1840	4.3	169
43	Fracture resistance measurement of fused deposition modeling 3D printed polymers. <i>Polymer Testing</i> , 2017 , 60, 94-101	4.5	134
42	Functional Polymers and Nanocomposites for 3D Printing of Smart Structures and Devices. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17489-17507	9.5	113
41	Interlayer adhesion and fracture resistance of polymers printed through melt extrusion additive manufacturing process. <i>Materials and Design</i> , 2018 , 156, 351-361	8.1	76
40	Attack Detection and Identification for Automatic Generation Control Systems. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 4760-4774	7	75
39	Bidirectional and Stretchable Piezoresistive Sensors Enabled by Multimaterial 3D Printing of Carbon Nanotube/Thermoplastic Polyurethane Nanocomposites. <i>Polymers</i> , 2018 , 11,	4.5	63
38	Experimental observation and modeling of fiber rotation and translation during foam injection molding of polymer composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 88, 67-74	8.4	43
37	Attack Detection for Load Frequency Control Systems Using Stochastic Unknown Input Estimators. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 2575-2590	8	39
36	Highly stretchable conductive thermoplastic vulcanizate/carbon nanotube nanocomposites with segregated structure, low percolation threshold and improved cyclic electromechanical performance. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 350-359	7.1	39
35	Employing Nitrogen Doping as Innovative Technique to Improve Broadband Dielectric Properties of Carbon Nanotube/Polymer Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 555-565	3.9	37
34	A dynamic method for feeder reconfiguration and capacitor switching in smart distribution systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2017 , 85, 200-211	5.1	31
33	3D printed conductive thermoplastic polyurethane/carbon nanotube composites for capacitive and piezoresistive sensing in soft pneumatic actuators. <i>Additive Manufacturing</i> , 2020 , 34, 101281	6.1	26
32	Hybrid conductive filler/polycarbonate composites with enhanced electrical and thermal conductivities for bipolar plate applications. <i>Polymer Composites</i> , 2019 , 40, 3189-3198	3	26
31	Development of a Cyber-Resilient Line Current Differential Relay. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 305-318	11.9	21
30	Modelling of Rod-Like Fillers' Rotation and Translation near Two Growing Cells in Conductive Polymer Composite Foam Processing. <i>Polymers</i> , 2018 , 10,	4.5	20
29	Mechanical, electrical, and piezoresistivity behaviors of additively manufactured acrylonitrile butadiene styrene/carbon nanotube nanocomposites. <i>Smart Materials and Structures</i> , 2019 , 28, 084004	3.4	17

28	Strong ultralight foams based on nanocrystalline cellulose for high-performance insulation. <i>Carbohydrate Polymers</i> , 2019 , 218, 103-111	10.3	16
27	An Intrusion Detection Method for Line Current Differential Relays. <i>IEEE Transactions on Information Forensics and Security</i> , 2020 , 15, 329-344	8	15
26	Distributed generation planning based on the distribution company's and the DG owner's profit maximization. <i>International Transactions on Electrical Energy Systems</i> , 2015 , 25, 216-232	2.2	13
25	Highly-Loaded Thermoplastic Polyurethane/Lead Zirconate Titanate Composite Foams with Low Permittivity Fabricated using Expandable Microspheres. <i>Polymers</i> , 2019 , 11,	4.5	10
24	A Healer Reinforcement Approach to Smart Grids by Improving Fault Location Function in FLISR 2013 ,		10
23	Profit-Based DG Planning Considering Environmental and Operational Issues: A Multiobjective Approach. <i>IEEE Systems Journal</i> , 2017 , 11, 1959-1970	4.3	9
22	Effects of uniaxial and biaxial orientation on fiber percolation in conductive polymer composites 2015 ,		8
21	3D printed thermoplastic polyurethane with isotropic material properties 2017 ,		7
20	Mechanical properties and foaming behavior of polypropylene/elastomer/recycled carbon fiber composites. <i>Polymer Composites</i> , 2021 , 42, 3482-3492	3	7
19	The impact of nozzle and bed temperatures on the fracture resistance of FDM printed materials 2017 ,		6
18	A Learning-Based Framework for Detecting Cyber-Attacks Against Line Current Differential Relays. <i>IEEE Transactions on Power Delivery</i> , 2021 , 36, 2274-2286	4.3	6
17	3D printing of highly elastic strain sensors using polyurethane/multiwall carbon nanotube composites 2017 ,		5
16	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-14	5.2	5
15	Extruded polycarbonate/Di-Allyl phthalate composites with ternary conductive filler system for bipolar plates of polymer electrolyte membrane fuel cells. <i>Smart Materials and Structures</i> , 2019 , 28, 064004	3.4	3
14	Thermoplastic Polyurethane/Lead Zirconate Titanate/Carbon Nanotube Composites with Very High Dielectric Permittivity and Low Dielectric Loss. <i>Journal of Composites Science</i> , 2020 , 4, 137	3	3
13	. <i>IEEE Transactions on Information Forensics and Security</i> , 2020 , 15, 3580-3594	8	3
12	Nonlinear time response optimization using imperialist competitive algorithm for tuning robust power system stabilizers. <i>IETE Journal of Research</i> , 2013 , 59, 631	0.9	3
11	Mechanical Behavior of 3D Printed Multiwalled Carbon Nanotube/Thermoplastic Polyurethane Nanocomposites 2017 ,		3

10	Electrical conductivity and piezoresistive response of 3D printed thermoplastic polyurethane/multiwalled carbon nanotube composites 2018 ,		3
9	Vulnerabilities of Line Current Differential Relays to Cyber-Attacks 2019 ,		2
8	Solvent sensitivity of smart 3D-printed nanocomposite liquid sensor 2018 ,		2
7	Preparation of Highly Loaded Piezo-Composite Foams With High Expansion and Low Permittivity 2017 ,		1
6	3D-Printed Conductive Nanocomposites for Liquid Sensing Applications 2017 ,		1
5	DESIGN OF PWMSC CONTROLLER USING AUGMENTED LAGRANGIAN PARTICLE SWARM OPTIMIZATION ALGORITHM. <i>Journal of Circuits, Systems and Computers</i> , 2014 , 23, 1450110	0.9	1
4	Polyvinyl Alcohol/Calcium Carbonate Nanocomposites as Efficient and Cost-Effective Cationic Dye Adsorbents. <i>Polymers</i> , 2020 , 12,	4.5	1
3	Wide-Band Current Transformers for Traveling-Waves-Based Protection Applications. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 845-858	10.7	1
2	A Cyber Attack Mitigation Scheme for Series Compensated DFIG-Based Wind Parks. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	1
1	An Auxiliary Framework to Mitigate Measurement Inaccuracies Caused by Capacitive Voltage Transformers. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 1-1	5.2	0