Amir Ameli

List of Publications by Year in Descending Order

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	An Auxiliary Framework to Mitigate Measurement Inaccuracies Caused by Capacitive Voltage Transformers. *IEEE Transactions on Instrumentation and Measurement*, **2022**, 1-1	5.2	0
44	Mechanical properties and foaming behavior of polypropylene/elastomer/recycled carbon fiber composites. *Polymer Composites*, **2021**, 42, 3482-3492	3	7
43	Wide-Band Current Transformers for Traveling-Waves-Based Protection Applications. *IEEE Transactions on Smart Grid*, **2021**, 12, 845-858	10.7	1
42	A Learning-Based Framework for Detecting Cyber-Attacks Against Line Current Differential Relays. *IEEE Transactions on Power Delivery*, **2021**, 36, 2274-2286	4.3	6
41	A Cyber Attack Mitigation Scheme for Series Compensated DFIG-Based Wind Parks. *IEEE Transactions on Smart Grid*, **2021**, 1-1	10.7	1
40	. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-14	5.2	5
39	Thermoplastic Polyurethane/Lead Zirconate Titanate/Carbon Nanotube Composites with Very High Dielectric Permittivity and Low Dielectric Loss. *Journal of Composites Science*, **2020**, 4, 137	3	3
38	3D printed conductive thermoplastic polyurethane/carbon nanotube composites for capacitive and piezoresistive sensing in soft pneumatic actuators. *Additive Manufacturing*, **2020**, 34, 101281	6.1	26
37	. *IEEE Transactions on Information Forensics and Security*, **2020**, 15, 3580-3594	8	3
36	Polyvinyl Alcohol/Calcium Carbonate Nanocomposites as Efficient and Cost-Effective Cationic Dye Adsorbents. *Polymers*, **2020**, 12,	4.5	1
35	An Intrusion Detection Method for Line Current Differential Relays. *IEEE Transactions on Information Forensics and Security*, **2020**, 15, 329-344	8	15
34	Vulnerabilities of Line Current Differential Relays to Cyber-Attacks **2019**,		2
33	Strong ultralight foams based on nanocrystalline cellulose for high-performance insulation. *Carbohydrate Polymers*, **2019**, 218, 103-111	10.3	16
32	Extruded polycarbonate/Di-Allyl phthalate composites with ternary conductive filler system for bipolar plates of polymer electrolyte membrane fuel cells. *Smart Materials and Structures*, **2019**, 28, 064004	3.4	3
31	Highly-Loaded Thermoplastic Polyurethane/Lead Zirconate Titanate Composite Foams with Low Permittivity Fabricated using Expandable Microspheres. *Polymers*, **2019**, 11,	4.5	10
30	Development of a Cyber-Resilient Line Current Differential Relay. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 305-318	11.9	21
29	Mechanical, electrical, and piezoresistivity behaviors of additively manufactured acrylonitrile butadiene styrene/carbon nanotube nanocomposites. *Smart Materials and Structures*, **2019**, 28, 084004	3.4	17

28	Hybrid conductive filler/polycarbonate composites with enhanced electrical and thermal conductivities for bipolar plate applications. *Polymer Composites*, **2019**, 40, 3189-3198	3	26
27	Attack Detection and Identification for Automatic Generation Control Systems. *IEEE Transactions on Power Systems*, **2018**, 33, 4760-4774	7	75
26	Attack Detection for Load Frequency Control Systems Using Stochastic Unknown Input Estimators. *IEEE Transactions on Information Forensics and Security*, **2018**, 13, 2575-2590	8	39
25	Modelling of Rod-Like FillersaRotation and Translation near Two Growing Cells in Conductive Polymer Composite Foam Processing. *Polymers*, **2018**, 10,	4.5	20
24	Functional Polymers and Nanocomposites for 3D Printing of Smart Structures and Devices. *ACS Applied Materials & Interfaces*, **2018**, 10, 17489-17507	9.5	113
23	Solvent sensitivity of smart 3D-printed nanocomposite liquid sensor **2018**,		2
22	Electrical conductivity and piezoresistive response of 3D printed thermoplastic polyurethane/multiwalled carbon nanotube composites **2018**,		3
21	Bidirectional and Stretchable Piezoresistive Sensors Enabled by Multimaterial 3D Printing of Carbon Nanotube/Thermoplastic Polyurethane Nanocomposites. *Polymers*, **2018**, 11,	4.5	63
20	Highly stretchable conductive thermoplastic vulcanizate/carbon nanotube nanocomposites with segregated structure, low percolation threshold and improved cyclic electromechanical performance. *Journal of Materials Chemistry C*, **2018**, 6, 350-359	7.1	39
19	Interlayer adhesion and fracture resistance of polymers printed through melt extrusion additive manufacturing process. *Materials and Design*, **2018**, 156, 351-361	8.1	76
18	Profit-Based DG Planning Considering Environmental and Operational Issues: A Multiobjective Approach. *IEEE Systems Journal*, **2017**, 11, 1959-1970	4.3	9
17	The impact of nozzle and bed temperatures on the fracture resistance of FDM printed materials **2017**,		6
16	3D printed thermoplastic polyurethane with isotropic material properties **2017**,		7
15	3D printing of highly elastic strain sensors using polyurethane/multiwall carbon nanotube composites **2017**,		5
14	3D printed highly elastic strain sensors of multiwalled carbon nanotube/thermoplastic polyurethane nanocomposites. *Materials and Design*, **2017**, 131, 394-401	8.1	247
13	Fracture resistance measurement of fused deposition modeling 3D printed polymers. *Polymer Testing*, **2017**, 60, 94-101	4.5	134
12	Mechanical Behavior of 3D Printed Multiwalled Carbon Nanotube/Thermoplastic Polyurethane Nanocomposites **2017**,		3
11	Preparation of Highly Loaded Piezo-Composite Foams With High Expansion and Low Permittivity **2017**,		1

10	3D-Printed Conductive Nanocomposites for Liquid Sensing Applications **2017**,		1
9	A dynamic method for feeder reconfiguration and capacitor switching in smart distribution systems. *International Journal of Electrical Power and Energy Systems*, **2017**, 85, 200-211	5.1	31
8	Employing Nitrogen Doping as Innovative Technique to Improve Broadband Dielectric Properties of Carbon Nanotube/Polymer Nanocomposites. *Macromolecular Materials and Engineering*, **2016**, 301, 555-565	3.9	37
7	Experimental observation and modeling of fiber rotation and translation during foam injection molding of polymer composites. *Composites Part A: Applied Science and Manufacturing*, **2016**, 88, 67-74	8.4	43
6	Distributed generation planning based on the distribution companyâs and the DG ownerâs profit maximization. *International Transactions on Electrical Energy Systems*, **2015**, 25, 216-232	2.2	13
5	Effects of uniaxial and biaxial orientation on fiber percolation in conductive polymer composites **2015**,		8
4	DESIGN OF PWMSC CONTROLLER USING AUGMENTED LAGRANGIAN PARTICLE SWARM OPTIMIZATION ALGORITHM. *Journal of Circuits, Systems and Computers*, **2014**, 23, 1450110	0.9	1
3	A Multiobjective Particle Swarm Optimization for Sizing and Placement of DGs from DG Ownerâs and Distribution Companyâs Viewpoints. *IEEE Transactions on Power Delivery*, **2014**, 29, 1831-1840	4.3	169
2	Nonlinear time response optimization using imperialist competitive algorithm for tuning robust power system stabilizers. *IETE Journal of Research*, **2013**, 59, 631	0.9	3
1	A Healer Reinforcement Approach to Smart Grids by Improving Fault Location Function in FLISR **2013**,		10