

# Amir Ameli

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1676728/publications.pdf>

Version: 2024-02-01

49  
papers

2,090  
citations

361045

20  
h-index

301761

39  
g-index

49  
all docs

49  
docs citations

49  
times ranked

2440  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D printed highly elastic strain sensors of multiwalled carbon nanotube/thermoplastic polyurethane nanocomposites. <i>Materials and Design</i> , 2017, 131, 394-401.	3.3	352
2	A Multiobjective Particle Swarm Optimization for Sizing and Placement of DGs from DG Owner's and Distribution Company's Viewpoints. <i>IEEE Transactions on Power Delivery</i> , 2014, 29, 1831-1840.	2.9	229
3	Fracture resistance measurement of fused deposition modeling 3D printed polymers. <i>Polymer Testing</i> , 2017, 60, 94-101.	2.3	188
4	Functional Polymers and Nanocomposites for 3D Printing of Smart Structures and Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 17489-17507.	4.0	171
5	Attack Detection and Identification for Automatic Generation Control Systems. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 4760-4774.	4.6	131
6	Interlayer adhesion and fracture resistance of polymers printed through melt extrusion additive manufacturing process. <i>Materials and Design</i> , 2018, 156, 351-361.	3.3	131
7	Bidirectional and Stretchable Piezoresistive Sensors Enabled by Multimaterial 3D Printing of Carbon Nanotube/Thermoplastic Polyurethane Nanocomposites. <i>Polymers</i> , 2019, 11, 11.	2.0	118
8	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.	4.5	63
9	3D printed conductive thermoplastic polyurethane/carbon nanotube composites for capacitive and piezoresistive sensing in soft pneumatic actuators. <i>Additive Manufacturing</i> , 2020, 34, 101281.	1.7	54
10	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.	3.8	51
11	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.	3.3	48
12	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.	2.7	48
13	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.	1.7	44
14	Hybrid conductive filler/polycarbonate composites with enhanced electrical and thermal conductivities for bipolar plate applications. <i>Polymer Composites</i> , 2019, 40, 3189-3198.	2.3	43
15	Development of a Cyber-Resilient Line Current Differential Relay. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 305-318.	7.2	35
16	Modelling of Rod-Like Fillers'™ Rotation and Translation near Two Growing Cells in Conductive Polymer Composite Foam Processing. <i>Polymers</i> , 2018, 10, 261.	2.0	26
17	Mechanical, electrical, and piezoresistivity behaviors of additively manufactured acrylonitrile butadiene styrene/carbon nanotube nanocomposites. <i>Smart Materials and Structures</i> , 2019, 28, 084004.	1.8	26
18	An Intrusion Detection Method for Line Current Differential Relays. <i>IEEE Transactions on Information Forensics and Security</i> , 2020, 15, 329-344.	4.5	26

#	ARTICLE	IF	CITATIONS
19	Strong ultralight foams based on nanocrystalline cellulose for high-performance insulation. Carbohydrate Polymers, 2019, 218, 103-111.	5.1	25
20	Distributed generation planning based on the distribution company's and the DG owner's profit maximization. International Transactions on Electrical Energy Systems, 2015, 25, 216-232.	1.2	22
21	In Situ Foam 3D Printing of Microcellular Structures Using Material Extrusion Additive Manufacturing. ACS Applied Materials & Interfaces, 2022, 14, 22454-22465.	4.0	21
22	A Learning-Based Framework for Detecting Cyber-Attacks Against Line Current Differential Relays. IEEE Transactions on Power Delivery, 2021, 36, 2274-2286.	2.9	20
23	Mechanical properties and foaming behavior of polypropylene/elastomer/recycled carbon fiber composites. Polymer Composites, 2021, 42, 3482-3492.	2.3	20
24	Profit-Based DG Planning Considering Environmental and Operational Issues: A Multiobjective Approach. IEEE Systems Journal, 2017, 11, 1959-1970.	2.9	17
25	Highly-Loaded Thermoplastic Polyurethane/Lead Zirconate Titanate Composite Foams with Low Permittivity Fabricated using Expandable Microspheres. Polymers, 2019, 11, 280.	2.0	16
26	An Intrusion Detection Method for Line Current Differential Relays in Medium-Voltage DC Microgrids. IEEE Transactions on Information Forensics and Security, 2020, 15, 3580-3594.	4.5	15
27	3D printed thermoplastic polyurethane with isotropic material properties. Proceedings of SPIE, 2017, , .	0.8	14
28	A Cyber Attack Mitigation Scheme for Series Compensated DFIG-Based Wind Parks. IEEE Transactions on Smart Grid, 2021, 12, 5221-5232.	6.2	14
29	Polyvinyl Alcohol/Calcium Carbonate Nanocomposites as Efficient and Cost-Effective Cationic Dye Adsorbents. Polymers, 2020, 12, 2179.	2.0	13
30	A healer reinforcement approach to smart grids by improving fault location function in FLISR. , 2013, , .		12
31	Thermoplastic Polyurethane/Lead Zirconate Titanate/Carbon Nanotube Composites with Very High Dielectric Permittivity and Low Dielectric Loss. Journal of Composites Science, 2020, 4, 137.	1.4	12
32	Accurate Fault Diagnosis in Transformers Using an Auxiliary Current-Compensation-Based Framework for Differential Relays. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	2.4	11
33	The impact of nozzle and bed temperatures on the fracture resistance of FDM printed materials. Proceedings of SPIE, 2017, , .	0.8	9
34	Effects of uniaxial and biaxial orientation on fiber percolation in conductive polymer composites. AIP Conference Proceedings, 2015, , .	0.3	8
35	3D printing of highly elastic strain sensors using polyurethane/multiwall carbon nanotube composites. Proceedings of SPIE, 2017, , .	0.8	8
36	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.	1.8	8

#	ARTICLE	IF	CITATIONS
37	Multi-objective DG planning considering operational and economic viewpoints. , 2013, , .		6
38	Mechanical Behavior of 3D Printed Multiwalled Carbon Nanotube/Thermoplastic Polyurethane Nanocomposites. , 2017, , .		5
39	3D-Printed Conductive Nanocomposites for Liquid Sensing Applications. , 2017, , .		5
40	Electrical conductivity and piezoresistive response of 3D printed thermoplastic polyurethane/multiwalled carbon nanotube composites. , 2018, , .		5
41	Nonlinear time response optimization using imperialist competitive algorithm for tuning robust power system stabilizers. IETE Journal of Research, 2013, 59, 631.	1.8	4
42	An Auxiliary Framework to Mitigate Measurement Inaccuracies Caused by Capacitive Voltage Transformers. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	4
43	Vulnerabilities of Line Current Differential Relays to Cyber-Attacks. , 2019, , .		3
44	DESIGN OF PWMSC CONTROLLER USING AUGMENTED LAGRANGIAN PARTICLE SWARM OPTIMIZATION ALGORITHM. Journal of Circuits, Systems and Computers, 2014, 23, 1450110.	1.0	2
45	A novel simultaneous reconfiguration and capacitor switching method to improve distribution networks operation. , 2014, , .		2
46	Wide-Band Current Transformers for Traveling-Waves-Based Protection Applications. IEEE Transactions on Smart Grid, 2021, 12, 845-858.	6.2	2
47	Solvent sensitivity of smart 3D-printed nanocomposite liquid sensor. , 2018, , .		2
48	Preparation of Highly Loaded Piezo-Composite Foams With High Expansion and Low Permittivity. , 2017, , .		1
49	Fault-Observability Enhancement in Distribution Networks Using Power Quality Monitors. , 2018, , .		0