Anna-Liisa Peikolainen

List of Publications by Year
in descending order

29 papers	432 citations	932766 10 h-index	713013 21 g-index
29 all docs	29 docs citations	29 times ranked	522 citing authors

#	Article	IF	Citations
1	Ionic electroactive polymer artificial muscles in space applications. Scientific Reports, 2014, 4, 6913.	1.6	64
2	Electroactive polymer actuators with carbon aerogel electrodes. Journal of Materials Chemistry, 2011, 21, 2577.	6.7	61
3	Preparation of carbon aerogels from 5-methylresorcinolâ€"formaldehyde gels. Microporous and Mesoporous Materials, 2008, 108, 230-236.	2.2	45
4	Electrolyte and solvent effects in PPy/DBS linear actuators. Sensors and Actuators B: Chemical, 2015, 216, 24-32.	4.0	44
5	Thin ink-jet printed trilayer actuators composed of PEDOT:PSS on interpenetrating polymer networks. Sensors and Actuators B: Chemical, 2018, 258, 1072-1079.	4.0	40
6	Electrochemical actuation of multiwall carbon nanotube fiber with embedded carbide-derived carbon particles. Carbon, 2015, 94, 911-918.	5.4	23
7	Inkjetâ€printed hybrid conducting polymer-activated carbon aerogel linear actuators driven in an organic electrolyte. Sensors and Actuators B: Chemical, 2017, 250, 44-51.	4.0	21
8	Oxygen Reduction on Feâ€•and Coâ€Containing Nitrogenâ€Doped Nanocarbons. ChemElectroChem, 2018, 5, 2002-2009.	1.7	20
9	Comparison of carbon aerogel and carbide-derived carbon as electrode materials for non-aqueous supercapacitors with high performance. Journal of Solid State Electrochemistry, 2012, 16, 2717-2722.	1.2	15
10	LOW-DENSITY ORGANIC AEROGELS FROM OIL SHALE BY-PRODUCT 5-METHYLRESORCINOL. Oil Shale, 2008, 25, 348.	0.5	13
11	Organic acid catalyzed synthesis of 5-methylresorcinol based organic aerogels in acetonitrile. Journal of Porous Materials, 2012, 19, 189-194.	1.3	12
12	Cellulose-Multiwall Carbon Nanotube Fiber Actuator Behavior in Aqueous and Organic Electrolyte. Materials, 2020, 13, 3213.	1.3	9
13	Mechanical and electro-mechanical properties of EAP actuators with inkjet printed electrodes. Synthetic Metals, 2018, 246, 122-127.	2.1	8
14	Consistent response from conducting polymer actuators: Potential window and embedded charges to avoid mixed ion transport. Synthetic Metals, 2020, 268, 116502.	2.1	8
15	Multifunctionality of Polypyrrole Polyethyleneoxide Composites: Concurrent Sensing, Actuation and Energy Storage. Polymers, 2020, 12, 2060.	2.0	8
16	Improving the Electrochemical Performance and Stability of Polypyrrole by Polymerizing Ionic Liquids. Polymers, 2020, 12, 136.	2.0	7
17	Carbon xerogel from 5-methylresorcinol-formaldehyde gel: The controllability of structural properties. Carbon Trends, 2021, 3, 100037.	1.4	7
18	Atomic layer deposition of high-k dielectrics on carbon nanoparticles. Thin Solid Films, 2013, 538, 16-20.	0.8	5

#	Article	IF	Citations
19	Carbon aerogel based electrode material for EAP actuators. , 2011, , .		4
20	Printed PEDOT:PSS Trilayer: Mechanism Evaluation and Application in Energy Storage. Materials, 2020, 13, 491.	1.3	4
21	Solvent Effect in Imidazole-Based Poly(Ionic liquid) Membranes: Energy Storage and Sensing. Polymers, 2021, 13, 3466.	2.0	4
22	Wider Potential Windows of Cellulose Multiwall Carbon Nanotube Fibers Leading to Qualitative Multifunctional Changes in an Organic Electrolyte. Polymers, 2021, 13, 4439.	2.0	4
23	The importance of potential range choice on the electromechanical response of cellulose - carbon nanotube fibers. Synthetic Metals, 2022, 283, 116966.	2.1	3
24	Solvent and electrolyte effects in PPyDBS free standing films. , 2015, , .		1
25	Fabrication of ion-conducting carbon-polymer composite electrodes by spin-coating. , 2015, , .		1
26	Dual function composite fibers of cellulose with activated carbon aerogel and carbide derived carbon. Journal of Applied Polymer Science, 0, , 52297.	1.3	1
27	Ionic EAP transducers with amorphous nanoporous carbon electrodes. Proceedings of SPIE, 2012, , .	0.8	0
28	Electrochemically Driven Carbon-Based Materials as EAPs: Fundamentals and Device Configurations. , 2016, , 439-454.		0
29	Electrochemically Driven Carbon-Based Materials as EAPs: Fundamentals and Device Configurations. , 2016, , 1-16.		0