

Jari A Keskinen

List of Publications by Year in descending order

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35
papers

747
citations

567281

15
h-index

526287

27
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35
all docs

35
docs citations

35
times ranked

943
citing authors

#	ARTICLE	IF	CITATIONS
1	Conformal titanium nitride in a porous silicon matrix: A nanomaterial for in-chip supercapacitors. <i>Nano Energy</i> , 2016, 26, 340-345.	16.0	91
2	Parameter optimization of HVOF sprayed nanostructured alumina and alumina-nickel composite coatings. <i>Surface and Coatings Technology</i> , 2006, 200, 4987-4994.	4.8	70
3	Performance, stability and operation voltage optimization of screen-printed aqueous supercapacitors. <i>Scientific Reports</i> , 2017, 7, 46001.	3.3	54
4	Asymmetric and symmetric supercapacitors based on polypyrrole and activated carbon electrodes. <i>Synthetic Metals</i> , 2015, 203, 192-199.	3.9	44
5	Printed environmentally friendly supercapacitors with ionic liquid electrolytes on paper. <i>Journal of Power Sources</i> , 2014, 271, 298-304.	7.8	42
6	Carbide and hydride formation during mechanical alloying of titanium and aluminium with hexane. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1995, 196, 205-211.	5.6	40
7	Printed supercapacitors on paperboard substrate. <i>Electrochimica Acta</i> , 2012, 85, 302-306.	5.2	36
8	Architectural modifications for flexible supercapacitor performance optimization. <i>Electronic Materials Letters</i> , 2016, 12, 795-803.	2.2	35
9	Current collectors for low resistance aqueous flexible printed supercapacitors. <i>Journal of Energy Storage</i> , 2020, 29, 101384.	8.1	32
10	Synthesis of silver powder using a mechanochemical process. <i>Applied Organometallic Chemistry</i> , 2001, 15, 393-395.	3.5	30
11	Characterization of Pt-based catalyst materials by voltammetric techniques. <i>Journal of Power Sources</i> , 2003, 118, 325-333.	7.8	29
12	Monolithically prepared aqueous supercapacitors. <i>Journal of Energy Storage</i> , 2018, 16, 243-249.	8.1	23
13	Non-toxic printed supercapacitors operating in sub-zero conditions. <i>Scientific Reports</i> , 2019, 9, 14059.	3.3	22
14	Growth of ZnSe films on GaAs $\sim 100\%$ substrates by conventional and pulsed molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 1989, 95, 522-524.	1.5	16
15	Pyrolysed cellulose nanofibrils and dandelion pappus in supercapacitor application. <i>Cellulose</i> , 2017, 24, 3387-3397.	4.9	16
16	Additive manufacturing of monolithic supercapacitors with biopolymer separator. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 689-697.	2.9	16
17	An improved exponential model for charge and discharge behavior of printed supercapacitor modules under varying load conditions. <i>Journal of Power Sources</i> , 2022, 535, 231475.	7.8	16
18	Viability Bounds of M2M Communication Using Energy-Harvesting and Passive Wake-Up Radio. <i>IEEE Access</i> , 2017, 5, 27868-27878.	4.2	15

#	ARTICLE	IF	CITATIONS
19	Printed Supercapacitor as Hybrid Device with an Enzymatic Power Source. <i>Advances in Science and Technology</i> , 2010, 72, 331-336.	0.2	13
20	Bending reliability of screen-printed vias for a flexible energy module. <i>Npj Flexible Electronics</i> , 2020, 4, .	10.7	13
21	Processing of Raney-Nickel Catalysts for Alkaline Fuel Cell Applications. <i>Journal of Fuel Cell Science and Technology</i> , 2007, 4, 45-48.	0.8	11
22	Highly flexible and non-toxic natural polymer gel electrolyte for printed supercapacitors for IoT. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	11
23	Feasibility and Fundamental Limits of Energy-Harvesting Based M2M Communications. <i>International Journal of Wireless Information Networks</i> , 2017, 24, 291-299.	2.7	10
24	Skin-conformable printed supercapacitors and their performance in wear. <i>Scientific Reports</i> , 2020, 10, 15194.	3.3	9
25	Integration of fully printed and flexible organic electrolyte-based dual cell supercapacitor with energy supply platform for low power electronics. <i>Journal of Energy Storage</i> , 2022, 50, 104221.	8.1	9
26	Screen Printed Vias for a Flexible Energy Harvesting and Storage Module. , 2018, , .		8
27	Improved Mechanical Properties by Nanoreinforced Ceramic Composite HVOF Coatings. <i>Advances in Science and Technology</i> , 2006, 45, 1240.	0.2	6
28	Feasibility and fundamental limits of energy-harvesting based M2M communications. , 2016, , .		6
29	Development of Nano-reinforced HVOF Sprayed Ceramic Coatings. <i>Advanced Engineering Materials</i> , 2006, 8, 669-673.	3.5	5
30	M2M Communication Assessment in Energy-Harvesting and Wake-Up Radio Assisted Scenarios Using Practical Components. <i>Sensors</i> , 2018, 18, 3992.	3.8	5
31	Lifetime and reliability of flexible aqueous supercapacitors: constant voltage floating and bending experiments. , 2018, , .		4
32	Wireless Energy Harvesting and Communications: Limits and Reliability. , 2017, , .		3
33	Assessment of a Cyclic Bending Test Method for Printed Flexible Supercapacitor. , 2022, , .		3
34	Porous silicon electrodes for high performance integrated supercapacitors. , 2014, , .		2
35	Polymer-based printed electrolytic capacitor and its circuitry application in a low pass filtering, rectifying and energy storage unit. <i>Flexible and Printed Electronics</i> , 2021, 6, 025005.	2.7	2