Nana Amponsah Kyeremateng

List of Publications by Year
in descending order

15 papers	1,105 citations	758635 12 h-index	1058022 14 g-index
15 all docs	15 docs citations	15 times ranked	2048 citing authors

#	Article	IF	Citations
1	Microsupercapacitors as miniaturized energy-storage components for on-chip electronics. Nature Nanotechnology, 2017, 12, 7-15.	15.6	753
2	Electropolymerization of copolymer electrolyte into titania nanotube electrodes for high-performance 3D microbatteries. Electrochemistry Communications, 2011, 13, 894-897.	2.3	52
3	Attainable Energy Density of Microbatteries. ACS Energy Letters, 2018, 3, 1172-1175.	8.8	51
4	The electrochemical behaviour of TiO2 nanotubes with Co3O4 or NiO submicron particles: Composite anode materials for Li-ion micro batteries. Electrochimica Acta, 2013, 88, 814-820.	2.6	50
5	Selfâ€Organised TiO₂ Nanotubes for 2D or 3D Liâ€Ion Microbatteries. ChemElectroChem, 2014, 1, 1442-1466.	1.7	38
6	Properties of Sn-doped TiO2 nanotubes fabricated by anodization of co-sputtered Tiâ€“Sn thin films. Electrochimica Acta, 2012, 62, 192-198.	2.6	37
7	Highly conformal electrodeposition of copolymer electrolytes into titania nanotubes for 3D Li-ion batteries. Nanoscale Research Letters, 2012, 7, 349.	3.1	32
8	Realization of an Asymmetric Interdigitated Electrochemical Micro-Capacitor Based on Carbon Nanotubes and Manganese Oxide. Journal of the Electrochemical Society, 2015, 162, A2016-A2020.	1.3	23
9	Electrophoretic deposition of Li₄Ti₅O₁₂ nanoparticles with a novel additive for Li-ion microbatteries. RSC Advances, 2015, 5, 61502-61507.	1.7	16
10	Electrodeposited copolymer electrolyte into nanostructured titania electrodes for 3D Li-ion microbatteries. Comptes Rendus Chimie, 2013, 16, 80-88.	0.2	15
11	High-throughput battery materials testing based on test cell arrays and dispense/jet printed electrodes. Microsystem Technologies, 2019, 25, 1137-1149.	1.2	14
12	Preparation of a Selfâ€Supported SiO₂ Membrane as a Separator for Lithiumâ€Ion Batteries. Batteries and Supercaps, 2020, 3, 456-462.	2.4	13
13	119Sn MÃ¶ssbauer spectroscopy study of the mechanism of lithium reaction with self-organized Ti1/2Sn1/2O2 nanotubes. Nanoscale, 2014, 6, 7827.	2.8	6
14	Characteristics of Li-ion micro batteries fully batch fabricated by micro-fluidic MEMS packaging. Microsystem Technologies, 2022, 28, 1321-1329.	1.2	5
15	Direct Electropolymerization of Copolymer Electrolyte into 3D Nano-Architectured Electrodes for High-Performance Hybrid Li-ion Macrobatteries. ECS Transactions, 2010, 33, 77-85.	0.3	0