Nana Amponsah Kyerematenge

List of Publications by Citations

14 papers	853 citations	10 h-index	15 g-index
15 ext. papers	980 ext. citations	6.8 avg, IF	4.9 L-index

#	Paper	IF	Citations
14	Microsupercapacitors as miniaturized energy-storage components for on-chip electronics. *Nature Nanotechnology*, **2017**, 12, 7-15	28.7	563
13	Electropolymerization of copolymer electrolyte into titania nanotube electrodes for high-performance 3D microbatteries. *Electrochemistry Communications*, **2011**, 13, 894-897	5.1	47
12	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	6.7	46
11	Properties of Sn-doped TiO2 nanotubes fabricated by anodization of co-sputtered Ti–Sn thin films. *Electrochimica Acta*, **2012**, 62, 192-198	6.7	33
10	Self-Organised TiO2 Nanotubes for 2D or 3D Li-Ion Microbatteries. *ChemElectroChem*, **2014**, 1, 1442-1466	4.3	32
9	Highly conformal electrodeposition of copolymer electrolytes into titania nanotubes for 3D Li-ion batteries. *Nanoscale Research Letters*, **2012**, 7, 349	5	31
8	Attainable Energy Density of Microbatteries. *ACS Energy Letters*, **2018**, 3, 1172-1175	20.1	29
7	Realization of an Asymmetric Interdigitated Electrochemical Micro-Capacitor Based on Carbon Nanotubes and Manganese Oxide. *Journal of the Electrochemical Society*, **2015**, 162, A2016-A2020	3.9	20
6	Electrodeposited copolymer electrolyte into nanostructured titania electrodes for 3D Li-ion microbatteries. *Comptes Rendus Chimie*, **2013**, 16, 80-88	2.7	13
5	Electrophoretic deposition of Li4Ti5O12 nanoparticles with a novel additive for Li-ion microbatteries. *RSC Advances*, **2015**, 5, 61502-61507	3.7	12
4	High-throughput battery materials testing based on test cell arrays and dispense/jet printed electrodes. *Microsystem Technologies*, **2019**, 25, 1137-1149	1.7	10
3	Preparation of a Self-Supported SiO2 Membrane as a Separator for Lithium-Ion Batteries. *Batteries and Supercaps*, **2020**, 3, 456-462	5.6	9
2	□□Sn Mössbauer spectroscopy study of the mechanism of lithium reaction with self-organized Ti/Sn/O□ nanotubes. *Nanoscale*, **2014**, 6, 7827-31	7.7	5
1	Characteristics of Li-ion micro batteries fully batch fabricated by micro-fluidic MEMS packaging. *Microsystem Technologies*, **2018**, 1	1.7	3