

Fang Gao

List of Publications by Year in descending order

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17
papers

567
citations

687363

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18
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18
docs citations

18
times ranked

672
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly porous diamond foam as a thin-film micro-supercapacitor material. <i>Carbon</i> , 2014, 80, 833-840.	10.3	94
2	Diamond-coated silicon wires for supercapacitor applications in ionic liquids. <i>Diamond and Related Materials</i> , 2015, 51, 1-6.	3.9	75
3	Diamond-Based Supercapacitors: Realization and Properties. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28244-28254.	8.0	67
4	Designing 3D Multihierarchical Heteronanostructures for High-Performance On-Chip Hybrid Supercapacitors: Poly(3,4-(ethylenedioxy)thiophene)-Coated Diamond/Silicon Nanowire Electrodes in an Aprotic Ionic Liquid. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18069-18077.	8.0	64
5	A step forward into hierarchically nanostructured materials for high performance micro-supercapacitors: Diamond-coated SiNW electrodes in protic ionic liquid electrolyte. <i>Electrochemistry Communications</i> , 2016, 63, 34-38.	4.7	39
6	Powering electrodes for high performance aqueous micro-supercapacitors: Diamond-coated silicon nanowires operating at a wide cell voltage of 3 V. <i>Electrochimica Acta</i> , 2017, 242, 173-179.	5.2	36
7	The Role of Ionic Liquid Breakdown in the Electrochemical Metallization of VO ₂ : An NMR Study of Gating Mechanisms and VO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2018, 140, 16685-16696.	13.7	32
8	Size-controllable and homogeneous platinum nanoparticles on diamond using wet chemically assisted electrodeposition. <i>Electrochimica Acta</i> , 2013, 90, 445-451.	5.2	28
9	Dye-sensitization of boron-doped diamond foam: champion photoelectrochemical performance of diamond electrodes under solar light illumination. <i>RSC Advances</i> , 2015, 5, 81069-81077.	3.6	25
10	Diamond nanowire forest decorated with nickel hydroxide as a pseudocapacitive material for fast charging—discharging. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 2533-2538.	1.8	23
11	Highly stable platinum nanoparticles on diamond. <i>Electrochimica Acta</i> , 2013, 112, 493-499.	5.2	16
12	Aligned Pt-diamond core-shell nanowires for electrochemical catalysis. <i>Electrochemistry Communications</i> , 2015, 50, 32-35.	4.7	15
13	Combining nanostructuration with boron doping to alter sub band gap acceptor states in diamond materials. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16645-16654.	10.3	14
14	Synthesis and Morphology of Semifluorinated Polymeric Ionic Liquids. <i>Macromolecules</i> , 2018, 51, 8620-8628.	4.8	13
15	Gating effects of conductive polymeric ionic liquids. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8242-8250.	5.5	13
16	Shape-controlled platinum nanocrystals on boron-doped diamond. <i>Electrochemistry Communications</i> , 2013, 30, 55-58.	4.7	9
17	Ionic Liquid Gate-Induced Modifications of Step Edges at SrCoO _{2.5} Surfaces. <i>ACS Nano</i> , 2020, 14, 8562-8569.	14.6	4