

Zhiyuan Sun

List of Publications by Year in descending order

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14
papers

754
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840119

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times ranked

1708
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-free catalytic reduction of 4-nitrophenol to 4-aminophenol by N-doped graphene. <i>Energy and Environmental Science</i> , 2013, 6, 3260.	15.6	390
2	Template-Assisted Scalable Nanowire Networks. <i>Nano Letters</i> , 2018, 18, 2666-2671.	4.5	92
3	Enhanced Oxygen Reduction Reactions in Fuel Cells on H ₂ -Decorated and B-Substituted Graphene. <i>ChemPhysChem</i> , 2013, 14, 514-519.	1.0	54
4	The positive influence of boron-doped graphyne on surface enhanced Raman scattering with pyridine as the probe molecule and oxygen reduction reaction in fuel cells. <i>RSC Advances</i> , 2013, 3, 4074.	1.7	36
5	Dopant Diffusion and Activation in Silicon Nanowires Fabricated by ex Situ Doping: A Correlative Study via Atom-Probe Tomography and Scanning Tunneling Spectroscopy. <i>Nano Letters</i> , 2016, 16, 4490-4500.	4.5	36
6	Charge Separation at Mixed-Dimensional Single and Multilayer MoS ₂ /Silicon Nanowire Heterojunctions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16760-16767.	4.0	31
7	Enhanced SERS of the complex substrate using Au supported on graphene with pyridine and R6G as the probe molecules. <i>Chemical Physics Letters</i> , 2013, 564, 54-59.	1.2	26
8	Doping of Self-Catalyzed Nanowires under the Influence of Droplets. <i>Nano Letters</i> , 2018, 18, 81-87.	4.5	24
9	The positive influence of boron-doped graphene for its supported Au clusters: enhancement of SERS and oxygen molecule adsorption. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13564.	1.3	19
10	Nanowire Kinking Modulates Doping Profiles by Reshaping the Liquid-Solid Growth Interface. <i>Nano Letters</i> , 2017, 17, 4518-4525.	4.5	16
11	Criteria and considerations for preparing atom-probe tomography specimens of nanomaterials utilizing an encapsulation methodology. <i>Ultramicroscopy</i> , 2018, 184, 225-233.	0.8	13
12	Strain-Energy Release in Bent Semiconductor Nanowires Occurring by Polygonization or Nanocrack Formation. <i>ACS Nano</i> , 2019, 13, 3730-3738.	7.3	7
13	Broad-band high-gain room temperature photodetectors using semiconductor-metal nanoflakes hybrids with wide plasmonic response. <i>Nanoscale</i> , 2019, 11, 6368-6376.	2.8	6
14	1-D Metal Nanobead Arrays within Encapsulated Nanowires via a Red-Ox-Induced Dewetting: Mechanism Study by Atom-Probe Tomography. <i>Nano Letters</i> , 2017, 17, 7478-7486.	4.5	4