Zhiyuan Sun

List of Publications by Year
in descending order

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14	754	840119 11	1058022 14
papers	citations	h-index	g-index

14	14	14	1708
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Broad-band high-gain room temperature photodetectors using semiconductorâ€“metal nanofloret hybrids with wide plasmonic response. Nanoscale, 2019, 11, 6368-6376.	2.8	6
2	Strain-Energy Release in Bent Semiconductor Nanowires Occurring by Polygonization or Nanocrack Formation. ACS Nano, 2019, 13, 3730-3738.	7.3	7
3	Charge Separation at Mixed-Dimensional Single and Multilayer MoS₂/Silicon Nanowire Heterojunctions. ACS Applied Materials & Interfaces, 2018, 10, 16760-16767.	4.0	31
4	Template-Assisted Scalable Nanowire Networks. Nano Letters, 2018, 18, 2666-2671.	4.5	92
5	Criteria and considerations for preparing atom-probe tomography specimens of nanomaterials utilizing an encapsulation methodology. Ultramicroscopy, 2018, 184, 225-233.	0.8	13
6	Doping of Self-Catalyzed Nanowires under the Influence of Droplets. Nano Letters, 2018, 18, 81-87.	4.5	24
7	1-D Metal Nanobead Arrays within Encapsulated Nanowires via a Red-Ox-Induced Dewetting: Mechanism Study by Atom-Probe Tomography. Nano Letters, 2017, 17, 7478-7486.	4.5	4
8	Nanowire Kinking Modulates Doping Profiles by Reshaping the Liquidâ€“Solid Growth Interface. Nano Letters, 2017, 17, 4518-4525.	4.5	16
9	Dopant Diffusion and Activation in Silicon Nanowires Fabricated by ex Situ Doping: A Correlative Study via Atom-Probe Tomography and Scanning Tunneling Spectroscopy. Nano Letters, 2016, 16, 4490-4500.	4.5	36
10	Metal-free catalytic reduction of 4-nitrophenol to 4-aminophenol by N-doped graphene. Energy and Environmental Science, 2013, 6, 3260.	15.6	390
11	Enhanced Oxygen Reduction Reactions in Fuel Cells on Hâ€Decorated and Bâ€Substituted Graphene. ChemPhysChem, 2013, 14, 514-519.	1.0	54
12	Enhanced SERS of the complex substrate using Au supported on graphene with pyridine and R6G as the probe molecules. Chemical Physics Letters, 2013, 564, 54-59.	1.2	26
13	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. RSC Advances, 2013, 3, 4074.	1.7	36
14	The positive influence of boron-doped graphene for its supported Au clusters: enhancement of SERS and oxygen molecule adsorption. Physical Chemistry Chemical Physics, 2012, 14, 13564.	1.3	19