Zhiyuan Sun

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9087476/publications.pdf

Version: 2024-02-01

14	754	840776 11	1058476 14
papers	citations	h-index	g-index

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

#	Article	IF	Citations
1	Metal-free catalytic reduction of 4-nitrophenol to 4-aminophenol by N-doped graphene. Energy and Environmental Science, 2013, 6, 3260.	30.8	390
2	Template-Assisted Scalable Nanowire Networks. Nano Letters, 2018, 18, 2666-2671.	9.1	92
3	Enhanced Oxygen Reduction Reactions in Fuel Cells on Hâ€Decorated and Bâ€Substituted Graphene. ChemPhysChem, 2013, 14, 514-519.	2.1	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. RSC Advances, 2013, 3, 4074.	3.6	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. Nano Letters, 2016, 16, 4490-4500.	9.1	36
6	Charge Separation at Mixed-Dimensional Single and Multilayer MoS₂/Silicon Nanowire Heterojunctions. ACS Applied Materials & Interfaces, 2018, 10, 16760-16767.	8.0	31
7	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.	2.6	26
8	Doping of Self-Catalyzed Nanowires under the Influence of Droplets. Nano Letters, 2018, 18, 81-87.	9.1	24
9	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.	2.8	19
10	Nanowire Kinking Modulates Doping Profiles by Reshaping the Liquidâ€“Solid Growth Interface. Nano Letters, 2017, 17, 4518-4525.	9.1	16
11	Criteria and considerations for preparing atom-probe tomography specimens of nanomaterials utilizing an encapsulation methodology. Ultramicroscopy, 2018, 184, 225-233.	1.9	13
12	Strain-Energy Release in Bent Semiconductor Nanowires Occurring by Polygonization or Nanocrack Formation. ACS Nano, 2019, 13, 3730-3738.	14.6	7
13	Broad-band high-gain room temperature photodetectors using semiconductorâ€“metal nanofloret hybrids with wide plasmonic response. Nanoscale, 2019, 11, 6368-6376.	5.6	6
14	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.	9.1	4