

Zhiyuan Sun

List of Publications by Year in descending order

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

Version: 2024-02-01

14
papers

754
citations

840776

11
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

1708
citing authors

#	ARTICLE	IF	CITATIONS
1	Broad-band high-gain room temperature photodetectors using semiconductor-metal nanofloret hybrids with wide plasmonic response. <i>Nanoscale</i> , 2019, 11, 6368-6376.	5.6	6
2	Strain-Energy Release in Bent Semiconductor Nanowires Occurring by Polygonization or Nanocrack Formation. <i>ACS Nano</i> , 2019, 13, 3730-3738.	14.6	7
3	Charge Separation at Mixed-Dimensional Single and Multilayer MoS ₂ /Silicon Nanowire Heterojunctions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16760-16767.	8.0	31
4	Template-Assisted Scalable Nanowire Networks. <i>Nano Letters</i> , 2018, 18, 2666-2671.	9.1	92
5	Criteria and considerations for preparing atom-probe tomography specimens of nanomaterials utilizing an encapsulation methodology. <i>Ultramicroscopy</i> , 2018, 184, 225-233.	1.9	13
6	Doping of Self-Catalyzed Nanowires under the Influence of Droplets. <i>Nano Letters</i> , 2018, 18, 81-87.	9.1	24
7	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.	9.1	4
8	Nanowire Kinking Modulates Doping Profiles by Reshaping the Liquid-Solid Growth Interface. <i>Nano Letters</i> , 2017, 17, 4518-4525.	9.1	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. <i>Nano Letters</i> , 2016, 16, 4490-4500.	9.1	36
10	Metal-free catalytic reduction of 4-nitrophenol to 4-aminophenol by N-doped graphene. <i>Energy and Environmental Science</i> , 2013, 6, 3260.	30.8	390
11	Enhanced Oxygen Reduction Reactions in Fuel Cells on N-Decorated and B-Substituted Graphene. <i>ChemPhysChem</i> , 2013, 14, 514-519.	2.1	54
12	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.	2.6	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. <i>RSC Advances</i> , 2013, 3, 4074.	3.6	36
14	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.	2.8	19