

Rui Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8807157/publications.pdf>

Version: 2024-02-01

20
papers

1,317
citations

687363

13
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

2840
citing authors

#	ARTICLE	IF	CITATIONS
1	Third harmonic generation in graphene and few-layer graphite films. <i>Physical Review B</i> , 2013, 87, .	3.2	244
2	Ultrafast and spatially resolved studies of charge carriers in atomically thin molybdenum disulfide. <i>Physical Review B</i> , 2012, 86, .	3.2	215
3	3R MoS ₂ with Broken Inversion Symmetry: A Promising Ultrathin Nonlinear Optical Device. <i>Advanced Materials</i> , 2017, 29, 1701486.	21.0	197
4	Third-Harmonic Generation in Ultrathin Films of MoS ₂ . <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 314-318.	8.0	161
5	Highly Efficient Photocatalytic Hydrogen Evolution by ReS ₂ via a Two- π Electron Catalytic Reaction. <i>Advanced Materials</i> , 2018, 30, e1707123.	21.0	90
6	Synthesis and Optoelectronic Properties of Two-Dimensional FeS ₂ Nanoplates. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 1174-1177.	8.0	77
7	Ultrafast Charge Transfer in Perovskite Nanowire/2D Transition Metal Dichalcogenide Heterostructures. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1655-1662.	4.6	75
8	Origin of Shape Resonance in Second-Harmonic Generation from Metallic Nanohole Arrays. <i>Scientific Reports</i> , 2013, 3, 2358.	3.3	48
9	Fe ₂ P nanoparticles as highly efficient freestanding co-catalyst for photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 5337-5345.	7.1	42
10	Multiplasmon modes for enhancing the photocatalytic activity of Au/Ag/Cu ₂ O core-shell nanorods. <i>Nanoscale</i> , 2019, 11, 16445-16454.	5.6	40
11	Single-photon level ultrafast all-optical switching. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	33
12	Exciton diffusion in semiconducting single-walled carbon nanotubes studied by transient absorption microscopy. <i>Physical Review B</i> , 2012, 86, .	3.2	30
13	The Auger process in multilayer WSe ₂ crystals. <i>Nanoscale</i> , 2018, 10, 17585-17592.	5.6	20
14	Layer-dependent ultrafast dynamics of In_2Se_3 nanoflakes. <i>2D Materials</i> , 2019, 6, 035034.	4.4	14
15	Bifacial Raman Enhancement on Monolayer Two-Dimensional Materials. <i>Nano Letters</i> , 2019, 19, 1124-1130.	9.1	10
16	Double Charge Ordering States and Spin Ordering State Observed in a RFe ₂ O ₄ System. <i>Scientific Reports</i> , 2014, 4, 6429.	3.3	9
17	Directly Probing Interfacial Coupling in a Monolayer MoSe ₂ and CuPc Heterostructure. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18372-18379.	8.0	5
18	Absorptive Fabry-Pérot Interference in a Metallic Nanostructure. <i>Chinese Physics Letters</i> , 2019, 36, 027801.	3.3	3

#	ARTICLE	IF	CITATIONS
19	Layer-dependent charge density wave phase transition stiffness in 1T-TaS2 nanoflakes evidenced by ultrafast carrier dynamics. <i>Nano Research</i> , 2021, 14, 1162-1166.	10.4	3
20	Quantum interference and control of the dynamic Franz-Keldysh effect: Generation and detection of terahertz space-charge fields. <i>Applied Physics Letters</i> , 2013, 102, 251110.	3.3	1