

Rui Wang

List of Publications by Year in descending order

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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	Layer-dependent charge density wave phase transition stiffness in 1T-TaS ₂ nanoflakes evidenced by ultrafast carrier dynamics. Nano Research, 2021, 14, 1162-1166.	10.4	3
2	Directly Probing Interfacial Coupling in a Monolayer MoSe ₂ and CuPc Heterostructure. ACS Applied Materials & Interfaces, 2021, 13, 18372-18379.	8.0	5
3	Multiplasmon modes for enhancing the photocatalytic activity of Au/Ag/Cu ₂ O core-shell nanorods. Nanoscale, 2019, 11, 16445-16454.	5.6	40
4	Bifacial Raman Enhancement on Monolayer Two-Dimensional Materials. Nano Letters, 2019, 19, 1124-1130.	9.1	10
5	Layer-dependent ultrafast dynamics of \pm -In ₂ Se ₃ nanoflakes. 2D Materials, 2019, 6, 035034.	4.4	14
6	Absorptive Fabry-Pérot Interference in a Metallic Nanostructure. Chinese Physics Letters, 2019, 36, 027801.	3.3	3
7	Highly Efficient Photocatalytic Hydrogen Evolution by ReS ₂ via a Two-Electron Catalytic Reaction. Advanced Materials, 2018, 30, e1707123.	21.0	90
8	Ultrafast Charge Transfer in Perovskite Nanowire/2D Transition Metal Dichalcogenide Heterostructures. Journal of Physical Chemistry Letters, 2018, 9, 1655-1662.	4.6	75
9	Fe ₂ P nanoparticles as highly efficient freestanding co-catalyst for photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2018, 43, 5337-5345.	7.1	42
10	The Auger process in multilayer WSe ₂ crystals. Nanoscale, 2018, 10, 17585-17592.	5.6	20
11	3R MoS ₂ with Broken Inversion Symmetry: A Promising Ultrathin Nonlinear Optical Device. Advanced Materials, 2017, 29, 1701486.	21.0	197
12	Third-Harmonic Generation in Ultrathin Films of MoS ₂ . ACS Applied Materials & Interfaces, 2014, 6, 314-318.	8.0	161
13	Double Charge Ordering States and Spin Ordering State Observed in a RFe ₂ O ₄ System. Scientific Reports, 2014, 4, 6429.	3.3	9
14	Third harmonic generation in graphene and few-layer graphite films. Physical Review B, 2013, 87, .	3.2	244
15	Quantum interference and control of the dynamic Franz-Keldysh effect: Generation and detection of terahertz space-charge fields. Applied Physics Letters, 2013, 102, 251110.	3.3	1
16	Origin of Shape Resonance in Second-Harmonic Generation from Metallic Nanohole Arrays. Scientific Reports, 2013, 3, 2358.	3.3	48
17	Exciton diffusion in semiconducting single-walled carbon nanotubes studied by transient absorption microscopy. Physical Review B, 2012, 86, .	3.2	30
18	Synthesis and Optoelectronic Properties of Two-Dimensional FeS ₂ Nanoplates. ACS Applied Materials & Interfaces, 2012, 4, 1174-1177.	8.0	77

#	ARTICLE	IF	CITATIONS
19	Ultrafast and spatially resolved studies of charge carriers in atomically thin molybdenum disulfide. Physical Review B, 2012, 86, .	3.2	215
20	Single-photon level ultrafast all-optical switching. Applied Physics Letters, 2008, 92, .	3.3	33