

Su-Fei Shi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/75995/publications.pdf>

Version: 2024-02-01

54
papers

6,601
citations

147566

31
h-index

161609

54
g-index

55
all docs

55
docs citations

55
times ranked

10424
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman spectroscopy accurately classifies burn severity in an ex vivo model. Burns, 2021, 47, 812-820.	1.1	3
2	Correlated insulating states at fractional fillings of the WS ₂ /WSe ₂ moiré lattice. Nature Physics, 2021, 17, 715-719.	6.5	157
3	Reversible engineering of topological insulator surface state conductivity through optical excitation. Nanotechnology, 2021, 32, 17LT01.	1.3	3
4	Strong interaction between interlayer excitons and correlated electrons in WSe ₂ /WS ₂ moiré superlattice. Nature Communications, 2021, 12, 3608.	5.8	63
5	Orientation-Controlled Large-Area Epitaxial PbI ₂ Thin Films with Tunable Optical Properties. ACS Applied Materials & Interfaces, 2021, 13, 32450-32460.	4.0	6
6	Anisotropy of two-dimensional ReS ₂ and advances in its device application. Rare Metals, 2021, 40, 3357-3374.	3.6	26
7	Bandgap Tuning in BaZr ₃ Perovskite Thin Films. ACS Applied Electronic Materials, 2021, 3, 3306-3312.	2.0	31
8	A high performance UV-visible dual-band photodetector based on an inorganic Cs ₂ Sn ₆ perovskite/ZnO heterojunction structure. Journal of Materials Chemistry C, 2020, 8, 1819-1825.	2.7	29
9	Giant Valley-Zeeman Splitting from Spin-Singlet and Spin-Triplet Interlayer Excitons in WSe ₂ /MoSe ₂ Heterostructure. Nano Letters, 2020, 20, 694-700.	4.5	70
10	Magnetic field mixing and splitting of bright and dark excitons in monolayer MoSe ₂ . 2D Materials, 2020, 7, 015017.	2.0	45
11	Synthesis of luminescent core/shell In-Zn ₃ P ₂ /ZnS quantum dots. Nanoscale, 2020, 12, 20952-20964.	2.8	2
12	A Gd@C ₈₂ single-molecule electret. Nature Nanotechnology, 2020, 15, 1019-1024.	15.6	70
13	Giant Valley-Polarized Rydberg Excitons in Monolayer WSe ₂ Revealed by Magneto-photocurrent Spectroscopy. Nano Letters, 2020, 20, 7635-7641.	4.5	16
14	Anisotropic band structure of TiS ₃ nanoribbon revealed by polarized photocurrent spectroscopy. Applied Physics Letters, 2020, 117, .	1.5	8
15	Synthetic Engineering of Morphology and Electronic Band Gap in Lateral Heterostructures of Monolayer Transition Metal Dichalcogenides. ACS Nano, 2020, 14, 6323-6330.	7.3	24
16	Electrical switching between exciton dissociation to exciton funneling in MoSe ₂ /WS ₂ heterostructure. Nature Communications, 2020, 11, 2640.	5.8	38
17	Metasurface Integrated Monolayer Exciton Polariton. Nano Letters, 2020, 20, 5292-5300.	4.5	44
18	Ultrafast Photocurrent and Absorption Microscopy of Few-Layer Transition Metal Dichalcogenide Devices That Isolate Rate-Limiting Dynamics Driving Fast and Efficient Photoresponse. Journal of Physical Chemistry C, 2020, 124, 15195-15204.	1.5	12

#	ARTICLE	IF	CITATIONS
19	Phonon-exciton Interactions in WSe ₂ under a quantizing magnetic field. Nature Communications, 2020, 11, 3104.	5.8	15
20	Observation of Quantized Exciton Energies in Monolayer WSe_2 under a Strong Magnetic Field. Physical Review X, 2020, 10, .	2.8	20
21	An Environmentally Stable and Lead-Free Chalcogenide Perovskite. Advanced Functional Materials, 2020, 30, 2001387.	7.8	52
22	Fine structures of valley-polarized excitonic states in monolayer transitional metal dichalcogenides. Nanophotonics, 2020, 9, 1811-1829.	2.9	27
23	Direct Observation of Gate-Tunable Dark Trions in Monolayer WSe ₂ . Nano Letters, 2019, 19, 6886-6893.	4.5	60
24	Emerging photoluminescence from the dark-exciton phonon replica in monolayer WSe ₂ . Nature Communications, 2019, 10, 2469.	5.8	102
25	Large Metallic Vanadium Disulfide Ultrathin Flakes for Spintronic Circuits and Quantum Computing Devices. ACS Applied Nano Materials, 2019, 2, 3684-3694.	2.4	14
26	Catalyst-Free and Morphology-Controlled Growth of 2D Perovskite Nanowires for Polarized Light Detection. Advanced Optical Materials, 2019, 7, 1900039.	3.6	35
27	Vanadium disulfide flakes with nanolayered titanium disulfide coating as cathode materials in lithium-ion batteries. Nature Communications, 2019, 10, 1764.	5.8	73
28	Burn-related Collagen Conformational Changes in ex vivo Porcine Skin using Raman Spectroscopy. Scientific Reports, 2019, 9, 19138.	1.6	18
29	Momentum-Dark Intervalley Exciton in Monolayer Tungsten Diselenide Brightened <i>via</i> Chiral Phonon. ACS Nano, 2019, 13, 14107-14113.	7.3	63
30	Excitonic Complexes and Emerging Interlayer Electron-Phonon Coupling in BN Encapsulated Monolayer Semiconductor Alloy: WS _{0.6} Se _{1.4} . Nano Letters, 2019, 19, 299-307.	4.5	20
31	Ultrasensitive tunability of the direct bandgap of 2D InSe flakes via strain engineering. 2D Materials, 2018, 5, 021002.	2.0	75
32	Tunable optical properties and stability of lead free all inorganic perovskites (Cs ₂ Sn _x Cl _{6-x}). Journal of Materials Chemistry A, 2018, 6, 2577-2584.	5.2	55
33	Communicating Two States in Perovskite Revealed by Time-Resolved Photoluminescence Spectroscopy. Scientific Reports, 2018, 8, 16482.	1.6	18
34	Defect-Mediated Alloying of Monolayer Transition-Metal Dichalcogenides. ACS Nano, 2018, 12, 12795-12804.	7.3	42
35	Revealing the biexciton and trion-exciton complexes in BN encapsulated WSe ₂ . Nature Communications, 2018, 9, 3719.	5.8	175
36	Theoretical and Experimental Insight into the Mechanism for Spontaneous Vertical Growth of ReS ₂ Nanosheets. Advanced Functional Materials, 2018, 28, 1801286.	7.8	35

#	ARTICLE	IF	CITATIONS
37	Enhanced Light Emission from the Ridge of Two-Dimensional InSe Flakes. Nano Letters, 2018, 18, 5078-5084.	4.5	35
38	A Silicon Cluster Based Single Electron Transistor with Potential Room-Temperature Switching. Chinese Physics Letters, 2018, 35, 037301.	1.3	17
39	Metalorganic vapor phase epitaxy of large size CdTe grains on mica through chemical and van der Waals interactions. Physical Review Materials, 2018, 2, .	0.9	12
40	$K\text{-}\hat{\Gamma}$ crossover transition in the conduction band of monolayer MoS ₂ under hydrostatic pressure. Science Advances, 2017, 3, e1700162.	4.7	60
41	Apparent breakdown of Raman selection rule at valley exciton resonances in monolayer MoS ₂ . Physical Review B, 2017, 95, .	1.1	38
42	A two-step dry process for Cs ₂ Sn ₆ perovskite thin film. Materials Research Letters, 2017, 5, 540-546.	4.1	40
43	Electronic Structure, Surface Doping, and Optical Response in Epitaxial WSe ₂ Thin Films. Nano Letters, 2016, 16, 2485-2491.	4.5	147
44	Dynamic Resolution of Photocurrent Generating Pathways by Field Dependent Ultrafast Microscopy. , 2016, , .		2
45	Ultrafast generation of pseudo-magnetic field for valley excitons in WSe ₂ monolayers. Science, 2014, 346, 1205-1208.	6.0	261
46	Atomically thin p-n junctions. Nature Nanotechnology, 2014, 9, 664-665.	15.6	19
47	Probing Local Strain at MX ₂ Metal Boundaries with Surface Plasmon-Enhanced Raman Scattering. Nano Letters, 2014, 14, 5329-5334.	4.5	118
48	Ultrafast charge transfer in atomically thin MoS ₂ /WS ₂ heterostructures. Nature Nanotechnology, 2014, 9, 682-686.	15.6	1,838
49	Giant bandgap renormalization and excitonic effects in a monolayer transition metal dichalcogenide semiconductor. Nature Materials, 2014, 13, 1091-1095.	13.3	1,470
50	Transient Absorption and Photocurrent Microscopy Show That Hot Electron Supercollisions Describe the Rate-Limiting Relaxation Step in Graphene. Nano Letters, 2013, 13, 5497-5502.	4.5	54
51	Photocurrent measurements of supercollision cooling in graphene. Nature Physics, 2013, 9, 103-108.	6.5	266
52	Electrical Control of Optical Plasmon Resonance with Graphene. Nano Letters, 2012, 12, 5598-5602.	4.5	266
53	Measurement of Discrete Energy-Level Spectra in Individual Chemically Synthesized Gold Nanoparticles. Nano Letters, 2008, 8, 4506-4512.	4.5	81
54	Large Enhancement of Fluorescence Efficiency from CdSe/ZnS Quantum Dots Induced by Resonant Coupling to Spatially Controlled Surface Plasmons. Nano Letters, 2005, 5, 1557-1561.	4.5	324