

Jun-Feng Dai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7947471/publications.pdf>

Version: 2024-02-01

29
papers

4,238
citations

430874

18
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

7342
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain-induced light emission enhancement in CsPbBr ₃ microwires. Journal of Materials Science, 2022, 57, 5061-5071.	3.7	3
2	Hard ferromagnetic behavior in atomically thin CrSiTe ₃ flakes. Nanoscale, 2022, 14, 5851-5858.	5.6	16
3	Electronic Properties of Multilayer MoS ₂ Field Effect Transistor with Unique Irradiation Resistance. Journal of Physical Chemistry C, 2021, 125, 2089-2096.	3.1	13
4	Second Harmonic Generation Covering the Entire Visible Range from a 2D Materialâ€“Plasmon Hybrid Metasurface. Advanced Optical Materials, 2021, 9, 2100625.	7.3	22
5	Dynamic fingerprint of fractionalized excitations in single-crystalline Cu ₃ Zn(OH) ₆ FBr. Nature Communications, 2021, 12, 3048.	12.8	17
6	Magnetic order in XY-type antiferromagnetic monolayer CoPS_3 revealed by Raman spectroscopy. Physical Review B, 2021, 103, .	11.2	20
7	Pressure-Enhanced Ferromagnetism in Layered CrSiTe ₃ Flakes. Nano Letters, 2021, 21, 7946-7952.	9.1	20
8	Probing Ultrafast Dynamics of Ferroelectrics by Timeâ€“Resolved Pumpâ€“Probe Spectroscopy. Advanced Science, 2021, 8, e2102488.	11.2	19
9	Influence of a substrate on ultrafast interfacial charge transfer and dynamical interlayer excitons in monolayer WSe ₂ /graphene heterostructures. Nanoscale, 2020, 12, 2498-2506.	5.6	22
10	Pressure-Dependent Intermediate Magnetic Phase in Thin Fe ₃ GeTe ₂ Flakes. Journal of Physical Chemistry Letters, 2020, 11, 7313-7319.	4.6	18
11	An ambipolar transistor based on a monolayer WS ₂ using lithium ions injection. Materials Research Express, 2020, 7, 076302.	1.6	6
12	Triimideâ€“Functionalized nâ€“Type Polymer Semiconductors Enabling Allâ€“Polymer Solar Cells with Power Conversion Efficiencies Approaching 9%. Solar Rrl, 2019, 3, 1900107.	5.8	43
13	Pressureâ€“Controlled Structural Symmetry Transition in Layered InSe. Laser and Photonics Reviews, 2019, 13, 1900012.	8.7	13
14	Phase Identification and Strong Second Harmonic Generation in Pure μ -InSe and Its Alloys. Nano Letters, 2019, 19, 2634-2640.	9.1	86
15	Defining the composition and electronic structure of large-scale and single-crystalline like Cs ₂ AgBiBr ₆ films fabricated by capillary-assisted dip-coating method. Materials Today Energy, 2019, 12, 186-197.	4.7	27
16	Raman spectroscopy evidence for dimerization and Mott collapse in In_2S_3 under pressures. Physical Review Materials, 2019, 3, .	11.2	17
17	Dopant-free hole transport materials based on alkyl-substituted indacenodithiophene for planar perovskite solar cells. Journal of Materials Chemistry C, 2018, 6, 4706-4713.	5.5	52
18	Photochemically deoxygenating solvents for tripletâ€“triplet annihilation photon upconversion operating in air. Chemical Communications, 2018, 54, 3907-3910.	4.1	31

#	ARTICLE	IF	CITATIONS
19	$\tilde{\Gamma}$ -valley assisted intervalley scattering in monolayer and bilayer WS ₂ revealed by time-resolved Kerr rotation spectroscopy. <i>Physical Review B</i> , 2018, 97, .	3.2	10
20	Alkynyl-Functionalized Head-to-Head Linkage Containing Bithiophene as a Weak Donor Unit for High-Performance Polymer Semiconductors. <i>Chemistry of Materials</i> , 2017, 29, 4109-4121.	6.7	32
21	Photon-generated carriers excite superoxide species inducing long-term photoluminescence enhancement of MAPbI ₃ perovskite single crystals. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12048-12053.	10.3	34
22	Anomalous enhancement of valley polarization in multilayer WS ₂ at room temperature. <i>Nanoscale</i> , 2017, 9, 5148-5154.	5.6	25
23	Effects of Bithiophene Imide Fusion on the Device Performance of Organic Thin-Film Transistors and All-Polymer Solar Cells. <i>Angewandte Chemie</i> , 2017, 129, 15506-15510.	2.0	115
24	Effects of Bithiophene Imide Fusion on the Device Performance of Organic Thin-Film Transistors and All-Polymer Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15304-15308.	13.8	152
25	Bound exciton and free exciton states in GaSe thin slab. <i>Scientific Reports</i> , 2016, 6, 33890.	3.3	33
26	Distinctive in-Plane Cleavage Behaviors of Two-Dimensional Layered Materials. <i>ACS Nano</i> , 2016, 10, 8980-8988.	14.6	90
27	Anomalously robust valley polarization and valley coherence in bilayer WS ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11606-11611.	7.1	245
28	Valley polarization in MoS ₂ monolayers by optical pumping. <i>Nature Nanotechnology</i> , 2012, 7, 490-493.	31.5	3,036
29	Optical signature of symmetry variations and spin-valley coupling in atomically thin tungsten dichalcogenides. , 0, .		1