

# Junfeng Dai

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/11180145/junfeng-dai-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24  
papers

4,076  
citations

15  
h-index

26  
g-index

26  
ext. papers

4,669  
ext. citations

9.8  
avg, IF

5.29  
L-index

#	Paper	IF	Citations
24	Probing Ultrafast Dynamics of Ferroelectrics by Time-Resolved Pump-Probe Spectroscopy. <i>Advanced Science</i> , <b>2021</b> , 8, e2102488	13.6	3
23	Second Harmonic Generation Covering the Entire Visible Range from a 2D Material-Plasmon Hybrid Metasurface. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100625	8.1	9
22	Electronic Properties of Multilayer MoS <sub>2</sub> Field Effect Transistor with Unique Irradiation Resistance. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 2089-2096	3.8	7
21	Pressure-driven switching of magnetism in layered CrCl <sub>2</sub> . <i>Nanoscale</i> , <b>2020</b> , 12, 22935-22944	7.7	2
20	Triimide-Functionalized n-Type Polymer Semiconductors Enabling All-Polymer Solar Cells with Power Conversion Efficiencies Approaching 9%. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900107	7.1	26
19	Defining the composition and electronic structure of large-scale and single-crystalline like Cs <sub>2</sub> AgBiBr <sub>6</sub> films fabricated by capillary-assisted dip-coating method. <i>Materials Today Energy</i> , <b>2019</b> , 12, 186-197	7	17
18	Unraveling the Raman Enhancement Mechanism on 1T'Phase ReS <sub>2</sub> Nanosheets. <i>Small</i> , <b>2018</b> , 14, e1704079	7.1	56
17	Quinoxaline-Based Wide Band Gap Polymers for Efficient Nonfullerene Organic Solar Cells with Large Open-Circuit Voltages. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 23235-23246	9.5	30
16	Defect Engineering in Single-Layer MoS <sub>2</sub> Using Heavy Ion Irradiation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 42524-42533	9.5	79
15	Alkynyl-Functionalized Head-to-Head Linkage Containing Bithiophene as a Weak Donor Unit for High-Performance Polymer Semiconductors. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 4109-4121	9.6	27
14	Photon-generated carriers excite superoxide species inducing long-term photoluminescence enhancement of MAPbI <sub>3</sub> perovskite single crystals. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 12048-12053	13.3	27
13	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> , <b>2017</b> , 56, 15304-15308	16.4	119
12	Is Excess PbI <sub>2</sub> Beneficial for Perovskite Solar Cell Performance?. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502206	21.8	226
11	The study of spin-valley coupling in atomically thin group VI transition metal dichalcogenides. <i>Advanced Materials</i> , <b>2014</b> , 26, 5504-7	24	22
10	Anomalously robust valley polarization and valley coherence in bilayer WS <sub>2</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 11606-11	11.5	189
9	Valley Polarization in Transition-Metal Dichalcogenides by Optical Pumping. <i>Lecture Notes in Nanoscale Science and Technology</i> , <b>2014</b> , 269-287	0.3	
8	Optical signature of symmetry variations and spin-valley coupling in atomically thin tungsten dichalcogenides. <i>Scientific Reports</i> , <b>2013</b> , 3, 1608	4.9	659

7	Valley polarization in MoS2 monolayers by optical pumping. <i>Nature Nanotechnology</i> , <b>2012</b> , 7, 490-3	28.7	2497
6	Quadratic magnetic field dependence of magnetoelectric photocurrent. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	1
5	Magnetoelectric photocurrent generated by direct interband transitions in InGaAs/InAlAs two-dimensional electron gas. <i>Physical Review Letters</i> , <b>2010</b> , 104, 246601	7.4	10
4	Determination of the sign of g factors for conduction electrons using time-resolved Kerr rotation. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 152109	3.4	9
3	Measurements on quantum capacitance of individual single walled carbon nanotubes. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 093114	3.4	17
2	Light-Induced Incandescence of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 4172-4175	3.8	13
1			