

# Rui Zhu

## List of Publications by Year in descending order

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1324  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Performance, Room Temperature, Ultra-Broadband Photodetectors Based on Air-Stable PdSe <sub>2</sub> . Advanced Materials, 2019, 31, e1807609.	21.0	223
2	Van der Waals magnets: Wonder building blocks for two-dimensional spintronics?. Information Materials, 2019, 1, 479-495.	17.3	91
3	Room Temperature Ferromagnetism of Monolayer Chromium Telluride with Perpendicular Magnetic Anisotropy. Advanced Materials, 2021, 33, e2103360.	21.0	84
4	Exchange Bias in van der Waals CrCl <sub>3</sub> /Fe <sub>3</sub> GeTe <sub>2</sub> Heterostructures. Nano Letters, 2020, 20, 5030-5035.	9.1	78
5	Performance Improvement by Ozone Treatment of 2D PdSe <sub>2</sub> . ACS Nano, 2020, 14, 5668-5677.	14.6	54
6	Optoelectronic Properties of a van der Waals WS <sub>2</sub> Monolayer/2D Perovskite Vertical Heterostructure. ACS Applied Materials & Interfaces, 2020, 12, 45235-45242.	8.0	49
7	High-Energy Gain Upconversion in Monolayer Tungsten Disulfide Photodetectors. Nano Letters, 2019, 19, 5595-5603.	9.1	41
8	Structuring Nonlinear Wavefront Emitted from Monolayer Transition-Metal Dichalcogenides. Research, 2020, 2020, 9085782.	5.7	40
9	Observation of Anisotropic Magnetoresistance in Layered Nonmagnetic Semiconducting PdSe <sub>2</sub> . ACS Applied Materials & Interfaces, 2021, 13, 37527-37534.	8.0	9
10	Broadband Asymmetric Light Transmission at Metal/Dielectric Composite Grating. Scientific Reports, 2018, 8, 999.	3.3	8
11	Giant Broadband One Way Transmission Based on Directional Mie Scattering and Asymmetric Grating Diffraction Effects <sup>*</sup> . Chinese Physics Letters, 2020, 37, 044205.	3.3	4