

# Yunfan Guo

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

1,640  
citations

471509

17  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

3458  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft-lock drawing of super-aligned carbon nanotube bundles for nanometre electrical contacts. Nature Nanotechnology, 2022, 17, 278-284.	31.5	24
2	Healing of donor defect states in monolayer molybdenum disulfide using oxygen-incorporated chemical vapour deposition. Nature Electronics, 2022, 5, 28-36.	26.0	44
3	Colossal switchable photocurrents in topological Janus transition metal dichalcogenides. Npj Computational Materials, 2021, 7, .	8.7	27
4	Spectroscopic Signatures of Interlayer Coupling in Janus MoSSe/MoS <sub>2</sub> Heterostructures. ACS Nano, 2021, 15, 14394-14403.	14.6	36
5	Designing artificial two-dimensional landscapes via atomic-layer substitution. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	43
6	Enhancement of van der Waals Interlayer Coupling through Polar Janus MoSSe. Journal of the American Chemical Society, 2020, 142, 17499-17507.	13.7	80
7	Two-dimensional halide perovskite lateral epitaxial heterostructures. Nature, 2020, 580, 614-620.	27.8	284
8	Additive manufacturing of patterned 2D semiconductor through recyclable masked growth. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3437-3442.	7.1	46
9	Synthetic Lateral Metal-Semiconductor Heterostructures of Transition Metal Disulfides. Journal of the American Chemical Society, 2018, 140, 12354-12358.	13.7	85
10	Epitaxial Growth of Ternary Topological Insulator Bi <sub>2</sub> Te <sub>2</sub> Se 2D Crystals on Mica. Small, 2017, 13, 1603572.	10.0	20
11	Chemical Intercalation of Topological Insulator Grid Nanostructures for High-Performance Transparent Electrodes. Advanced Materials, 2017, 29, 1703424.	21.0	21
12	Chemically Engineered Substrates for Patternable Growth of Two-Dimensional Chalcogenide Crystals. ACS Nano, 2016, 10, 10317-10323.	14.6	16
13	Weak antilocalization and electron-electron interaction in coupled multiple-channel transport in a Bi <sub>2</sub> Se <sub>3</sub> thin film. Nanoscale, 2016, 8, 1879-1885.	5.6	49
14	2D Hybrid Nanostructured Dirac Materials for Broadband Transparent Electrodes. Advanced Materials, 2015, 27, 4315-4321.	21.0	8
15	Roll-to-Roll Encapsulation of Metal Nanowires between Graphene and Plastic Substrate for High-Performance Flexible Transparent Electrodes. Nano Letters, 2015, 15, 4206-4213.	9.1	410
16	A Roadmap for Controlled Production of Topological Insulator Nanostructures and Thin Films. Small, 2015, 11, 3290-3305.	10.0	42
17	Patterning two-dimensional chalcogenide crystals of Bi <sub>2</sub> Se <sub>3</sub> and In <sub>2</sub> Se <sub>3</sub> and efficient photodetectors. Nature Communications, 2015, 6, 6972.	12.8	172
18	Controlled Growth of Atomically Thin In <sub>2</sub> Se <sub>3</sub> Flakes by van der Waals Epitaxy. Journal of the American Chemical Society, 2013, 135, 13274-13277.	13.7	192

#	ARTICLE	IF	CITATIONS
19	Selective Area Van der Waals Epitaxy of Topological Insulator Grid Nanostructures for Broadband Transparent Flexible Electrodes. <i>Advanced Materials</i> , 2013, 25, 5959-5964.	21.0	39