

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	Roll-to-Roll Encapsulation of Metal Nanowires between Graphene and Plastic Substrate for High-Performance Flexible Transparent Electrodes. <i>Nano Letters</i> , 2015, 15, 4206-4213.	9.1	410
2	Two-dimensional halide perovskite lateral epitaxial heterostructures. <i>Nature</i> , 2020, 580, 614-620.	27.8	284
3	Controlled Growth of Atomically Thin In_2Se_3 Flakes by van der Waals Epitaxy. <i>Journal of the American Chemical Society</i> , 2013, 135, 13274-13277.	13.7	192
4	Patterning two-dimensional chalcogenide crystals of Bi_2Se_3 and In_2Se_3 and efficient photodetectors. <i>Nature Communications</i> , 2015, 6, 6972.	12.8	172
5	Synthetic Lateral Metal-Semiconductor Heterostructures of Transition Metal Disulfides. <i>Journal of the American Chemical Society</i> , 2018, 140, 12354-12358.	13.7	85
6	Enhancement of van der Waals Interlayer Coupling through Polar Janus MoSSe . <i>Journal of the American Chemical Society</i> , 2020, 142, 17499-17507.	13.7	80
7	Weak antilocalization and electron-electron interaction in coupled multiple-channel transport in a Bi_2Se_3 thin film. <i>Nanoscale</i> , 2016, 8, 1879-1885.	5.6	49
8	Additive manufacturing of patterned 2D semiconductor through recyclable masked growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3437-3442.	7.1	46
9	Healing of donor defect states in monolayer molybdenum disulfide using oxygen-incorporated chemical vapour deposition. <i>Nature Electronics</i> , 2022, 5, 28-36.	26.0	44
10	Designing artificial two-dimensional landscapes via atomic-layer substitution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	43
11	A Roadmap for Controlled Production of Topological Insulator Nanostructures and Thin Films. <i>Small</i> , 2015, 11, 3290-3305.	10.0	42
12	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
13	Spectroscopic Signatures of Interlayer Coupling in Janus $\text{MoSSe}/\text{MoS}_2$ Heterostructures. <i>ACS Nano</i> , 2021, 15, 14394-14403.	14.6	36
14	Colossal switchable photocurrents in topological Janus transition metal dichalcogenides. <i>Npj Computational Materials</i> , 2021, 7, .	8.7	27
15	Soft-lock drawing of super-aligned carbon nanotube bundles for nanometre electrical contacts. <i>Nature Nanotechnology</i> , 2022, 17, 278-284.	31.5	24
16	Chemical Intercalation of Topological Insulator Grid Nanostructures for High-Performance Transparent Electrodes. <i>Advanced Materials</i> , 2017, 29, 1703424.	21.0	21
17	Epitaxial Growth of Ternary Topological Insulator $\text{Bi}_2\text{Te}_2\text{Se}$ 2D Crystals on Mica. <i>Small</i> , 2017, 13, 1603572.	10.0	20
18	Chemically Engineered Substrates for Patternable Growth of Two-Dimensional Chalcogenide Crystals. <i>ACS Nano</i> , 2016, 10, 10317-10323.	14.6	16

#	ARTICLE	IF	CITATIONS
19	2D Hybrid Nanostructured Dirac Materials for Broadband Transparent Electrodes. <i>Advanced Materials</i> , 2015, 27, 4315-4321.	21.0	8