

Yabin Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4875583/publications.pdf>

Version: 2024-02-01

23
papers

1,684
citations

471061

17
h-index

676716

22
g-index

25
all docs

25
docs citations

25
times ranked

3612
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropic in-plane thermal conductivity of black phosphorus nanoribbons at temperatures higher than 100%K. Nature Communications, 2015, 6, 8573.	5.8	311
2	Nitrogen-doped graphenes as efficient electrocatalysts for the selective reduction of carbon dioxide to formate in aqueous solution. Green Chemistry, 2016, 18, 3250-3256.	4.6	252
3	Black Arsenic: A Layered Semiconductor with Extreme In-Plane Anisotropy. Advanced Materials, 2018, 30, e1800754.	11.1	161
4	Ferroelectrically Gated Atomically Thin Transition-Metal Dichalcogenides as Nonvolatile Memory. Advanced Materials, 2016, 28, 2923-2930.	11.1	134
5	Reconfiguring crystal and electronic structures of MoS ₂ by substitutional doping. Nature Communications, 2018, 9, 199.	5.8	128
6	Thickness-Dependent Carrier Transport Characteristics of a New 2D Elemental Semiconductor: Black Arsenic. Advanced Functional Materials, 2018, 28, 1802581.	7.8	125
7	Site Selective Doping of Ultrathin Metal Dichalcogenides by Laser-Assisted Reaction. Advanced Materials, 2016, 28, 341-346.	11.1	101
8	Perspectives on Thermoelectricity in Layered and 2D Materials. Advanced Electronic Materials, 2018, 4, 1800248.	2.6	77
9	Large bandgap of pressurized trilayer graphene. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9186-9190.	3.3	59
10	Quantifying van der Waals Interactions in Layered Transition Metal Dichalcogenides from Pressure-Enhanced Valence Band Splitting. Nano Letters, 2017, 17, 4982-4988.	4.5	53
11	Synthesis of Atomically Thin Hexagonal Diamond with Compression. Nano Letters, 2020, 20, 5916-5921.	4.5	42
12	Variable range hopping electric and thermoelectric transport in anisotropic black phosphorus. Applied Physics Letters, 2017, 111, .	1.5	41
13	Decompression-Driven Superconductivity Enhancement in In ₂ Se ₃ . Advanced Materials, 2017, 29, 1701983.	11.1	35
14	Pressurizing Field-Effect Transistors of Few-Layer MoS ₂ in a Diamond Anvil Cell. Nano Letters, 2017, 17, 194-199.	4.5	31
15	Modulating the optical and electrical properties of MoS ₂ by selective Ag photo-reduction. Applied Physics Letters, 2018, 113, .	1.1	30
16	Modulating Photoluminescence of Monolayer Molybdenum Disulfide by Metal-Insulator Phase Transition in Active Substrates. Small, 2016, 12, 3976-3984.	5.2	30
17	Chemical trends of deep levels in van der Waals semiconductors. Nature Communications, 2020, 11, 5373.	5.8	24
18	Tuning the optical and electrical properties of MoS ₂ by selective Ag photo-reduction. Applied Physics Letters, 2018, 113, .	1.5	17

#	ARTICLE	IF	CITATIONS
19	Carbon nanotube: Controlled synthesis determines its future. <i>Science China Materials</i> , 2020, 63, 16-34.	3.5	16
20	Density-Dependent Emission Colors from a Conformation-Switching Chromophore in Polyurethanes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	9
21	Density-Dependent Emission Colors from a Conformation-Switching Chromophore in Polyurethanes. <i>Angewandte Chemie</i> , 0, , .	1.6	4
22	Field-Effect Transistors: Thickness-Dependent Carrier Transport Characteristics of a New 2D Elemental Semiconductor: Black Arsenic (<i>Adv. Funct. Mater.</i> 43/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870312.	7.8	2
23	Laser-Assisted Doping: Site Selective Doping of Ultrathin Metal Dichalcogenides by Laser-Assisted Reaction (<i>Adv. Mater.</i> 2/2016). <i>Advanced Materials</i> , 2016, 28, 392-392.	11.1	1