

Yang Bao

List of Publications by Year in descending order

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26
papers

1,777
citations

394421

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642732

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all docs

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docs citations

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times ranked

3767
citing authors

#	ARTICLE	IF	CITATIONS
1	The Flexible On-Surface Self-Assembly of a Low-Symmetry Mabiq Ligand: An Unconventional Metal-Assisted Phase Transformation on Ag(111). <i>Journal of Physical Chemistry C</i> , 2021, 125, 23178-23191.	3.1	2
2	Exploring Low Power and Ultrafast Memristor on p-Type van der Waals SnS. <i>Nano Letters</i> , 2021, 21, 8800-8807.	9.1	57
3	A solution-processable and ultra-permeable conjugated microporous thermoset for selective hydrogen separation. <i>Nature Communications</i> , 2020, 11, 1633.	12.8	40
4	Atomically precise bottom-up synthesis of π -extended [5]triangulene. <i>Science Advances</i> , 2019, 5, eaav7717.	10.3	159
5	Gate-Tunable In-Plane Ferroelectricity in Few-Layer SnS. <i>Nano Letters</i> , 2019, 19, 5109-5117.	9.1	129
6	A non-dispersion strategy for large-scale production of ultra-high concentration graphene slurries in water. <i>Nature Communications</i> , 2018, 9, 76.	12.8	151
7	Two-Dimensional Polymer Synthesized via Solid-State Polymerization for High-Performance Supercapacitors. <i>ACS Nano</i> , 2018, 12, 852-860.	14.6	91
8	Frontispiz: Graphene-Oxide-Catalyzed Direct $\text{CH}^{\sim}\text{CH}$ -Type Cross-Coupling: The Intrinsic Catalytic Activities of Zigzag Edges. <i>Angewandte Chemie</i> , 2018, 130, .	2.0	0
9	Anisotropic Third-Order Nonlinearity in Pristine and Lithium Hydride Intercalated Black Phosphorus. <i>ACS Photonics</i> , 2018, 5, 4969-4977.	6.6	40
10	Tailoring sample-wide pseudo-magnetic fields on a graphene/black phosphorus heterostructure. <i>Nature Nanotechnology</i> , 2018, 13, 828-834.	31.5	113
11	Observation of Gap Opening in $1\text{T}\epsilon^2$ Phase MoS_2 Nanocrystals. <i>Nano Letters</i> , 2018, 18, 5085-5090.	9.1	60
12	Graphene-Oxide-Catalyzed Direct $\text{CH}^{\sim}\text{CH}$ -Type Cross-Coupling: The Intrinsic Catalytic Activities of Zigzag Edges. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10848-10853.	13.8	63
13	Frontispiece: Graphene-Oxide-Catalyzed Direct $\text{CH}^{\sim}\text{CH}$ -Type Cross-Coupling: The Intrinsic Catalytic Activities of Zigzag Edges. <i>Angewandte Chemie - International Edition</i> , 2018, 57, .	13.8	0
14	Graphene-Oxide-Catalyzed Direct $\text{CH}^{\sim}\text{CH}$ -Type Cross-Coupling: The Intrinsic Catalytic Activities of Zigzag Edges. <i>Angewandte Chemie</i> , 2018, 130, 11014-11019.	2.0	11
15	Hydrogen Evolution Catalyzed by a Molybdenum Sulfide Two-Dimensional Structure with Active Basal Planes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22042-22049.	8.0	22
16	Large Area Synthesis of $1\text{D}\epsilon\text{MoSe}_2$ Using Molecular Beam Epitaxy. <i>Advanced Materials</i> , 2017, 29, 1605641.	21.0	54
17	A two-dimensional conjugated aromatic polymer via $\text{C}\epsilon\text{C}$ coupling reaction. <i>Nature Chemistry</i> , 2017, 9, 563-570.	13.6	306
18	Gate-Tunable Giant Stark Effect in Few-Layer Black Phosphorus. <i>Nano Letters</i> , 2017, 17, 1970-1977.	9.1	144

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19	Surface Functionalization of Black Phosphorus via Potassium toward High-Performance Complementary Devices. <i>Nano Letters</i> , 2017, 17, 4122-4129.	9.1	117
20	Orientation and Electronic Structures of Multilayered Graphene Nanoribbons Produced by Two-Zone Chemical Vapor Deposition. <i>Langmuir</i> , 2017, 33, 10439-10445.	3.5	6
21	Controllable Synthesis of 2D and 1D MoS ₂ Nanostructures on Au Surface. <i>Advanced Functional Materials</i> , 2017, 27, 1603887.	14.9	15
22	Abnormal behavior of potassium adsorbed phosphorene. <i>International Journal of Computational Materials Science and Engineering</i> , 2017, 06, 1850002.	0.7	0
23	Substoichiometric Molybdenum Sulfide Phases with Catalytically Active Basal Planes. <i>Journal of the American Chemical Society</i> , 2016, 138, 14121-14128.	13.7	28
24	Oscillating edge states in one-dimensional MoS ₂ nanowires. <i>Nature Communications</i> , 2016, 7, 12904.	12.8	57
25	Periodic Grain Boundaries Formed by Thermal Reconstruction of Polycrystalline Graphene Film. <i>Journal of the American Chemical Society</i> , 2014, 136, 12041-12046.	13.7	63
26	Properties of Strained Structures and Topological Defects in Graphene. <i>ACS Nano</i> , 2013, 7, 8350-8357.	14.6	49