

# Yang Bao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2331425/publications.pdf>

Version: 2024-02-01

26  
papers

1,777  
citations

394421

19  
h-index

642732

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

3767  
citing authors

#	ARTICLE	IF	CITATIONS
1	A two-dimensional conjugated aromatic polymer via C-C coupling reaction. <i>Nature Chemistry</i> , 2017, 9, 563-570.	13.6	306
2	Atomically precise bottom-up synthesis of $\pi$ -extended [5]triangulene. <i>Science Advances</i> , 2019, 5, eaav7717.	10.3	159
3	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
4	Gate-Tunable Giant Stark Effect in Few-Layer Black Phosphorus. <i>Nano Letters</i> , 2017, 17, 1970-1977.	9.1	144
5	Gate-Tunable In-Plane Ferroelectricity in Few-Layer SnS. <i>Nano Letters</i> , 2019, 19, 5109-5117.	9.1	129
6	Surface Functionalization of Black Phosphorus via Potassium toward High-Performance Complementary Devices. <i>Nano Letters</i> , 2017, 17, 4122-4129.	9.1	117
7	Tailoring sample-wide pseudo-magnetic fields on a graphene/black phosphorus heterostructure. <i>Nature Nanotechnology</i> , 2018, 13, 828-834.	31.5	113
8	Two-Dimensional Polymer Synthesized via Solid-State Polymerization for High-Performance Supercapacitors. <i>ACS Nano</i> , 2018, 12, 852-860.	14.6	91
9	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
10	Graphene-Oxide-Catalyzed Direct CH <sup>+</sup> CH <sup>-</sup> Type Cross-Coupling: The Intrinsic Catalytic Activities of Zigzag Edges. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10848-10853.	13.8	63
11	Observation of Gap Opening in 1T <sup>-2</sup> Phase MoS <sub>2</sub> Nanocrystals. <i>Nano Letters</i> , 2018, 18, 5085-5090.	9.1	60
12	Oscillating edge states in one-dimensional MoS <sub>2</sub> nanowires. <i>Nature Communications</i> , 2016, 7, 12904.	12.8	57
13	Exploring Low Power and Ultrafast Memristor on p-Type van der Waals SnS. <i>Nano Letters</i> , 2021, 21, 8800-8807.	9.1	57
14	Large Area Synthesis of 1D <sup>-2</sup> MoSe <sub>2</sub> Using Molecular Beam Epitaxy. <i>Advanced Materials</i> , 2017, 29, 1605641.	21.0	54
15	Properties of Strained Structures and Topological Defects in Graphene. <i>ACS Nano</i> , 2013, 7, 8350-8357.	14.6	49
16	Anisotropic Third-Order Nonlinearity in Pristine and Lithium Hydride Intercalated Black Phosphorus. <i>ACS Photonics</i> , 2018, 5, 4969-4977.	6.6	40
17	A solution-processable and ultra-permeable conjugated microporous thermoset for selective hydrogen separation. <i>Nature Communications</i> , 2020, 11, 1633.	12.8	40
18	Substoichiometric Molybdenum Sulfide Phases with Catalytically Active Basal Planes. <i>Journal of the American Chemical Society</i> , 2016, 138, 14121-14128.	13.7	28

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19	Hydrogen Evolution Catalyzed by a Molybdenum Sulfide Two-Dimensional Structure with Active Basal Planes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 22042-22049.	8.0	22
20	Controllable Synthesis of 2D and 1D MoS <sub>2</sub> Nanostructures on Au Surface. <i>Advanced Functional Materials</i> , 2017, 27, 1603887.	14.9	15
21	Graphene-Oxide-Catalyzed Direct CH <sup>+</sup> CH-Type Cross-Coupling: The Intrinsic Catalytic Activities of Zigzag Edges. <i>Angewandte Chemie</i> , 2018, 130, 11014-11019.	2.0	11
22	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
23	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
24	Abnormal behavior of potassium adsorbed phosphorene. <i>International Journal of Computational Materials Science and Engineering</i> , 2017, 06, 1850002.	0.7	0
25	Frontispiz: Graphene-Oxide-Catalyzed Direct CH <sup>+</sup> CH-Type Cross-Coupling: The Intrinsic Catalytic Activities of Zigzag Edges. <i>Angewandte Chemie</i> , 2018, 130, .	2.0	0
26	Frontispiece: Graphene-Oxide-Catalyzed Direct CH <sup>+</sup> CH-Type Cross-Coupling: The Intrinsic Catalytic Activities of Zigzag Edges. <i>Angewandte Chemie - International Edition</i> , 2018, 57, .	13.8	0