

Sheng Yang

List of Publications by Year in descending order

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31
papers

3,286
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304743

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Fluoride-Free Synthesis of Two-Dimensional Titanium Carbide (MXene) Using A Binary Aqueous System. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15491-15495.	13.8	393
2	Mechanically strong MXene/Kevlar nanofiber composite membranes as high-performance nanofluidic osmotic power generators. <i>Nature Communications</i> , 2019, 10, 2920.	12.8	373
3	Scalable Fabrication and Integration of Graphene Microsupercapacitors through Full Inkjet Printing. <i>ACS Nano</i> , 2017, 11, 8249-8256.	14.6	280
4	Vertically Aligned MoS ₂ Nanosheets Patterned on Electrochemically Exfoliated Graphene for High-Performance Lithium and Sodium Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1702254.	19.5	274
5	Fluoride-Free Synthesis of Two-Dimensional Titanium Carbide (MXene) Using A Binary Aqueous System. <i>Angewandte Chemie</i> , 2018, 130, 15717-15721.	2.0	241
6	Hybrid Silver Nanowire and Graphene-Based Solution-Processed Transparent Electrode for Organic Optoelectronics. <i>Advanced Functional Materials</i> , 2018, 28, 1706010.	14.9	235
7	Ambient-Stable Two-Dimensional Titanium Carbide (MXene) Enabled by Iodine Etching. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8689-8693.	13.8	212
8	Ultrafast Delamination of Graphite into High-Quality Graphene Using Alternating Currents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6669-6675.	13.8	134
9	Emerging 2D Materials Produced via Electrochemistry. <i>Advanced Materials</i> , 2020, 32, e1907857.	21.0	127
10	Emerging perovskite monolayers. <i>Nature Materials</i> , 2021, 20, 1325-1336.	27.5	124
11	Flexible in-plane micro-supercapacitors: Progresses and challenges in fabrication and applications. <i>Energy Storage Materials</i> , 2020, 28, 160-187.	18.0	113
12	Oxidation promoted osmotic energy conversion in black phosphorus membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13959-13966.	7.1	102
13	A Delamination Strategy for Thinly Layered Defect-Free High-Mobility Black Phosphorus Flakes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4677-4681.	13.8	98
14	Topochemical Synthesis of Two-Dimensional Transition-Metal Phosphides Using Phosphorene Templates. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 465-470.	13.8	94
15	Ultrafast Electrochemical Synthesis of Defect-Free In ₂ Se ₃ Flakes for Large-Area Optoelectronics. <i>Advanced Materials</i> , 2020, 32, e1907244.	21.0	75
16	Dual-Redox-Sites Enable Two-Dimensional Conjugated Metal-Organic Frameworks with Large Pseudocapacitance and Wide Potential Window. <i>Journal of the American Chemical Society</i> , 2021, 143, 10168-10176.	13.7	75
17	High Power In-Plane Micro-Supercapacitors Based on Mesoporous Polyaniline Patterned Graphene. <i>Small</i> , 2017, 13, 1603388.	10.0	58
18	Two-Dimensional Violet Phosphorus: A p-Type Semiconductor for (Opto)electronics. <i>Journal of the American Chemical Society</i> , 2022, 144, 3660-3666.	13.7	56

#	ARTICLE	IF	CITATIONS
19	A Delamination Strategy for Thinly Layered Defect-Free High-Mobility Black Phosphorus Flakes. <i>Angewandte Chemie</i> , 2018, 130, 4767-4771.	2.0	47
20	Band transport by large Fröhlich polarons in MXenes. <i>Nature Physics</i> , 2022, 18, 544-550.	16.7	40
21	A Nonaqueous Na-Ion Hybrid Micro-Supercapacitor with Wide Potential Window and Ultrahigh Areal Energy Density. <i>Batteries and Supercaps</i> , 2019, 2, 918-923.	4.7	30
22	Electronic Doping of Metal-Organic Frameworks for High-Performance Flexible Micro-Supercapacitors. <i>Small Structures</i> , 2021, 2, 2000095.	12.0	25
23	Improved Hole Injection into Perovskite Light-Emitting Diodes Using A Black Phosphorus Interlayer. <i>Advanced Electronic Materials</i> , 2019, 5, 1800687.	5.1	20
24	Ambient-Stable Two-Dimensional Titanium Carbide (MXene) Enabled by Iodine Etching. <i>Angewandte Chemie</i> , 2021, 133, 8771-8775.	2.0	16
25	Molecularly Engineered Black Phosphorus Heterostructures with Improved Ambient Stability and Enhanced Charge Carrier Mobility. <i>Advanced Materials</i> , 2021, 33, e2105694.	21.0	16
26	Ultraschnelle Schichtablösung von Graphit zu qualitativ hochwertigem Graphen durch Nutzung von Wechselstrom. <i>Angewandte Chemie</i> , 2017, 129, 6770-6776.	2.0	11
27	Topochemical Synthesis of Two-Dimensional Transition-Metal Phosphides Using Phosphorene Templates. <i>Angewandte Chemie</i> , 2020, 132, 473-478.	2.0	8
28	Scalable one-step production of electrochemically exfoliated graphene decorated with transition metal oxides for high-performance supercapacitors. <i>Nanoscale</i> , 2021, 13, 15859-15868.	5.6	4
29	Transistors based on solution-processed 2D materials for chemical and biological sensing. <i>Flexible and Printed Electronics</i> , 2022, 7, 014001.	2.7	2
30	Device level reversible potassium intercalation into bilayer graphene. <i>2D Materials</i> , 2022, 9, 025020.	4.4	2
31	Facile assembly of layer-interlocked graphene heterostructures as flexible electrodes for Li-ion batteries. <i>Faraday Discussions</i> , 2021, 227, 321-331.	3.2	1