

# Panpan Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4295433/publications.pdf>

Version: 2024-02-01

69  
papers

6,750  
citations

46984

47  
h-index

91828

69  
g-index

69  
all docs

69  
docs citations

69  
times ranked

8770  
citing authors

#	ARTICLE	IF	CITATIONS
1	Viologen-immobilized 2D Polymer Film Enabling Highly Efficient Electrochromic Device for Solar-Powered Smart Window. <i>Advanced Materials</i> , 2022, 34, e2106073.	11.1	32
2	Functional Electrolytes: Game Changers for Smart Electrochemical Energy Storage Devices. <i>Small Science</i> , 2022, 2, 2100080.	5.8	16
3	Interfacial synthesis of crystalline quasi-two-dimensional polyaniline thin films for high-performance flexible on-chip micro-supercapacitors. <i>Chinese Chemical Letters</i> , 2022, 33, 3921-3924.	4.8	13
4	An Efficient Rechargeable Aluminium-Amine Battery Working Under Quaternization Chemistry. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	29
5	An Efficient Rechargeable Aluminium-Amine Battery Working Under Quaternization Chemistry. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	7
6	Spinel LiMn <sub>2</sub> O <sub>4</sub> Cathode Materials in Wide Voltage Window: Single-Crystalline versus Polycrystalline. <i>Crystals</i> , 2022, 12, 317.	1.0	10
7	Polyarylimide and porphyrin based polymer microspheres for zinc ion hybrid capacitors. <i>Chemical Engineering Journal</i> , 2021, 405, 127038.	6.6	76
8	Electronic Doping of Metal-Organic Frameworks for High-Performance Flexible Micro-Supercapacitors. <i>Small Structures</i> , 2021, 2, 2000095.	6.9	25
9	Facile assembly of layer-interlocked graphene heterostructures as flexible electrodes for Li-ion batteries. <i>Faraday Discussions</i> , 2021, 227, 321-331.	1.6	1
10	Ambient-Stable Two-Dimensional Titanium Carbide (MXene) Enabled by Iodine Etching. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8689-8693.	7.2	212
11	Ambient-Stable Two-Dimensional Titanium Carbide (MXene) Enabled by Iodine Etching. <i>Angewandte Chemie</i> , 2021, 133, 8771-8775.	1.6	16
12	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.	6.6	75
13	Surface-Modified Phthalocyanine-Based Two-Dimensional Conjugated Metal-Organic Framework Films for Polarity-Selective Chemiresistive Sensing. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18666-18672.	7.2	41
14	Surface-Modified Phthalocyanine-Based Two-Dimensional Conjugated Metal-Organic Framework Films for Polarity-Selective Chemiresistive Sensing. <i>Angewandte Chemie</i> , 2021, 133, 18814-18820.	1.6	7
15	Topochemical Synthesis of Two-Dimensional Transition-Metal Phosphides Using Phosphorene Templates. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 465-470.	7.2	94
16	Topochemical Synthesis of Two-Dimensional Transition-Metal Phosphides Using Phosphorene Templates. <i>Angewandte Chemie</i> , 2020, 132, 473-478.	1.6	8
17	Hierarchical architecture of polyaniline nanoneedle arrays on electrochemically exfoliated graphene for supercapacitors and sodium batteries cathode. <i>Materials and Design</i> , 2020, 188, 108440.	3.3	36
18	A zinc bromine supercapattery-system combining triple functions of capacitive, pseudocapacitive and battery-type charge storage. <i>Materials Horizons</i> , 2020, 7, 495-503.	6.4	54

#	ARTICLE	IF	CITATIONS
19	Fully Conjugated Phthalocyanine Copper Metal-Organic Frameworks for Sodium-Iodine Batteries with Long-Time Cycling Durability. <i>Advanced Materials</i> , 2020, 32, e1905361.	11.1	143
20	A High-Voltage, Dendrite-Free, and Durable Zn-Graphite Battery. <i>Advanced Materials</i> , 2020, 32, e1905681.	11.1	96
21	Promoted oxygen reduction kinetics on nitrogen-doped hierarchically porous carbon by engineering proton-feeding centers. <i>Energy and Environmental Science</i> , 2020, 13, 2849-2855.	15.6	101
22	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.	3.3	102
23	Phthalocyanine-Based 2D Conjugated Metal-Organic Framework Nanosheets for High-Performance Micro-Supercapacitors. <i>Advanced Functional Materials</i> , 2020, 30, 2002664.	7.8	104
24	A Stimulus-Responsive Zinc-Iodine Battery with Smart Overcharge Self-Protection Function. <i>Advanced Materials</i> , 2020, 32, e2000287.	11.1	97
25	Flexible in-plane micro-supercapacitors: Progresses and challenges in fabrication and applications. <i>Energy Storage Materials</i> , 2020, 28, 160-187.	9.5	113
26	Polymer Brushes on Graphitic Carbon Nitride for Patterning and as a SERS Active Sensing Layer via Incorporated Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 9797-9805.	4.0	29
27	Emerging 2D Materials Produced via Electrochemistry. <i>Advanced Materials</i> , 2020, 32, e1907857.	11.1	127
28	Amino functionalization optimizes potential distribution: A facile pathway towards high-energy carbon-based aqueous supercapacitors. <i>Nano Energy</i> , 2019, 65, 103987.	8.2	50
29	A Nonaqueous Na-Kon Hybrid Micro-Supercapacitor with Wide Potential Window and Ultrahigh Areal Energy Density. <i>Batteries and Supercaps</i> , 2019, 2, 918-923.	2.4	30
30	Design and synthesis of electrode materials with both battery-type and capacitive charge storage. <i>Energy Storage Materials</i> , 2019, 22, 235-255.	9.5	135
31	Mechanically strong MXene/Kevlar nanofiber composite membranes as high-performance nanofluidic osmotic power generators. <i>Nature Communications</i> , 2019, 10, 2920.	5.8	373
32	Self-Assembly of Integrated Tubular Microsupercapacitors with Improved Electrochemical Performance and Self-Protective Function. <i>ACS Nano</i> , 2019, 13, 8067-8075.	7.3	57
33	Engineering crystalline quasi-two-dimensional polyaniline thin film with enhanced electrical and chemiresistive sensing performances. <i>Nature Communications</i> , 2019, 10, 4225.	5.8	132
34	Electrochemically Exfoliated High-Quality 2H-MoS <sub>2</sub> for Multiflake Thin Film Flexible Biosensors. <i>Small</i> , 2019, 15, e1901265.	5.2	65
35	Vacancy modification of Prussian-blue nano-thin films for high energy-density micro-supercapacitors with ultralow RC time constant. <i>Nano Energy</i> , 2019, 60, 8-16.	8.2	26
36	Nano-sandwiched metal hexacyanoferrate/graphene hybrid thin films for in-plane asymmetric micro-supercapacitors with ultrahigh energy density. <i>Materials Horizons</i> , 2019, 6, 1041-1049.	6.4	54

#	ARTICLE	IF	CITATIONS
37	Zn <sup>2+</sup> /ion Hybrid Micro <sup>2D</sup> Supercapacitors with Ultrahigh Areal Energy Density and Long <sup>2D</sup> Term Durability. <i>Advanced Materials</i> , 2019, 31, e1806005.	11.1	266
38	Hexagonal boron nitride nanosheet/carbon nanocomposite as a high-performance cathode material towards aqueous asymmetric supercapacitors. <i>Ceramics International</i> , 2019, 45, 4283-4289.	2.3	38
39	Mussel <sup>2D</sup> Inspired Nitrogen <sup>2D</sup> Doped Porous Carbon as Anode Materials for Sodium <sup>2D</sup> Ion Batteries. <i>Energy Technology</i> , 2019, 7, 1800763.	1.8	9
40	A Delamination Strategy for Thinly Layered Defect <sup>2D</sup> Free High <sup>2D</sup> Mobility Black Phosphorus Flakes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4677-4681.	7.2	98
41	A Delamination Strategy for Thinly Layered Defect <sup>2D</sup> Free High <sup>2D</sup> Mobility Black Phosphorus Flakes. <i>Angewandte Chemie</i> , 2018, 130, 4767-4771.	1.6	47
42	Thermoswitchable on-chip microsupercapacitors: one potential self-protection solution for electronic devices. <i>Energy and Environmental Science</i> , 2018, 11, 1717-1722.	15.6	79
43	A Dual <sup>2D</sup> Stimuli <sup>2D</sup> Responsive Sodium <sup>2D</sup> Bromine Battery with Ultrahigh Energy Density. <i>Advanced Materials</i> , 2018, 30, e1800028.	11.1	56
44	Fluoride <sup>2D</sup> Free Synthesis of Two <sup>2D</sup> Dimensional Titanium Carbide (MXene) Using A Binary Aqueous System. <i>Angewandte Chemie</i> , 2018, 130, 15717-15721.	1.6	241
45	Fluoride <sup>2D</sup> Free Synthesis of Two <sup>2D</sup> Dimensional Titanium Carbide (MXene) Using A Binary Aqueous System. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15491-15495.	7.2	393
46	Two-dimensional materials for miniaturized energy storage devices: from individual devices to smart integrated systems. <i>Chemical Society Reviews</i> , 2018, 47, 7426-7451.	18.7	384
47	Exposed high-energy facets in ultradispersed sub-10 <sup>2D</sup> nm SnO <sub>2</sub> nanocrystals anchored on graphene for pseudocapacitive sodium storage and high-performance quasi-solid-state sodium-ion capacitors. <i>NPG Asia Materials</i> , 2018, 10, 429-440.	3.8	50
48	Polarity <sup>2D</sup> Switchable Symmetric Graphite Batteries with High Energy and High Power Densities. <i>Advanced Materials</i> , 2018, 30, e1802949.	11.1	51
49	Fabrication technologies and sensing applications of graphene-based composite films: Advances and challenges. <i>Biosensors and Bioelectronics</i> , 2017, 89, 72-84.	5.3	192
50	Stimulus <sup>2D</sup> Responsive Micro <sup>2D</sup> Supercapacitors with Ultrahigh Energy Density and Reversible Electrochromic Window. <i>Advanced Materials</i> , 2017, 29, 1604491.	11.1	153
51	Dual <sup>2D</sup> Graphene Rechargeable Sodium Battery. <i>Small</i> , 2017, 13, 1702449.	5.2	64
52	Designing Metallic and Insulating Nanocrystal Heterostructures to Fabricate Highly Sensitive and Solution Processed Strain Gauges for Wearable Sensors. <i>Small</i> , 2017, 13, 1702534.	5.2	40
53	Iridium nanoparticles anchored on 3D graphite foam as a bifunctional electrocatalyst for excellent overall water splitting in acidic solution. <i>Nano Energy</i> , 2017, 40, 27-33.	8.2	139
54	Ruthenium/nitrogen-doped carbon as an electrocatalyst for efficient hydrogen evolution in alkaline solution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25314-25318.	5.2	136

#	ARTICLE	IF	CITATIONS
55	Scalable Fabrication and Integration of Graphene Microsupercapacitors through Full Inkjet Printing. ACS Nano, 2017, 11, 8249-8256.	7.3	280
56	Nanoscale Graphene Doped with Highly Dispersed Silver Nanoparticles: Quick Synthesis, Facile Fabrication of 3D Membrane-Modified Electrode, and Super Performance for Electrochemical Sensing. Advanced Functional Materials, 2016, 26, 2122-2134.	7.8	135
57	Fast preparation of MoS <sub>2</sub> nanoflowers decorated with platinum nanoparticles for electrochemical detection of hydrogen peroxide. RSC Advances, 2016, 6, 52739-52745.	1.7	53
58	Coral-Like MoS <sub>2</sub> /Cu <sub>2</sub> O Porous Nanohybrid with Dual-Function Electro-catalyst Performances. Advanced Materials Interfaces, 2016, 3, 1600658.	1.9	34
59	Electrospinning graphene quantum dots into a nanofibrous membrane for dual-purpose fluorescent and electrochemical biosensors. Journal of Materials Chemistry B, 2015, 3, 2487-2496.	2.9	195
60	Recent advances in the fabrication and structure-specific applications of graphene-based inorganic hybrid membranes. Nanoscale, 2015, 7, 5080-5093.	2.8	116
61	MoS <sub>2</sub> nanosheets decorated with gold nanoparticles for rechargeable Li-O <sub>2</sub> batteries. Journal of Materials Chemistry A, 2015, 3, 14562-14566.	5.2	107
62	A facile fabrication of large-scale reduced graphene oxide-silver nanoparticle hybrid film as a highly active surface-enhanced Raman scattering substrate. Journal of Materials Chemistry C, 2015, 3, 4126-4133.	2.7	91
63	Self-assembled peptide nanofibers on graphene oxide as a novel nanohybrid for biomimetic mineralization of hydroxyapatite. Carbon, 2015, 89, 20-30.	5.4	116
64	Graphene film doped with silver nanoparticles: self-assembly formation, structural characterizations, antibacterial ability, and biocompatibility. Biomaterials Science, 2015, 3, 852-860.	2.6	75
65	Synthesis and sensor applications of MoS <sub>2</sub> -based nanocomposites. Nanoscale, 2015, 7, 18364-18378.	2.8	202
66	How different mesophases affect the interactive crystallisation of a block co-oligomer. Polymer, 2014, 55, 1893-1900.	1.8	4
67	Electrospun Doping of Carbon Nanotubes and Platinum Nanoparticles into the $\beta$ -Phase Polyvinylidene Difluoride Nanofibrous Membrane for Biosensor and Catalysis Applications. ACS Applied Materials & Interfaces, 2014, 6, 7563-7571.	4.0	112
68	One-Step Synthesis of Large-Scale Graphene Film Doped with Gold Nanoparticles at Liquid-Air Interface for Electrochemistry and Raman Detection Applications. Langmuir, 2014, 30, 8980-8989.	1.6	97
69	One-pot green synthesis, characterizations, and biosensor application of self-assembled reduced graphene oxide-gold nanoparticle hybrid membranes. Journal of Materials Chemistry B, 2013, 1, 6525.	2.9	111