Ye Zhang

List of Publications by Year
in descending order

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114 papers	11,483 citations	28274 55 h-index	28297 105 g-index
114 all docs	114 docs citations	114 times ranked	12708 citing authors

#	Article	IF	Citations
1	Injectable Fiber Electronics for Tumor Treatment. Advanced Fiber Materials, 2022, 4, 246-255.	16.1	21
2	A Tissueâ€Like Soft Allâ€Hydrogel Battery. Advanced Materials, 2022, 34, e2105120.	21.0	65
3	Two-dimensional materials toward Terahertz optoelectronic device applications. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2022, 51, 100473.	11.6	36
4	Recent Advances in Oxidation Stable Chemistry of 2D MXenes. Advanced Materials, 2022, 34, e2107554.	21.0	163
5	All-optical logic devices based on black arsenicâ€“phosphorus with strong nonlinear optical response and high stability. Opto-Electronic Advances, 2022, 5, 200046-200046.	13.3	25
6	A Coreâ€“Sheath Sensing Yarnâ€BasedÂElectrochemical Fabric System for Powerful Sweat Capture and Stable Sensing. Advanced Functional Materials, 2022, 32, .	14.9	30
7	Tunable Nonlinearity in 2D Graphdiyne Oxide for Highâ€Performance Allâ€Optical Modulation. Advanced Optical Materials, 2022, 10, .	7.3	3
8	Tellurium Nanotubes and Chemical Analogues from Preparation to Applications: A Minor Review. Nanomaterials, 2022, 12, 2151.	4.1	4
9	The rise of 2D materials/ferroelectrics for next generation photonics and optoelectronics devices. APL Materials, 2022, 10, .	5.1	23
10	Injectable fiber batteries for all-region power supply in vivo. Journal of Materials Chemistry A, 2021, 9, 1463-1470.	10.3	31
11	Ultraâ€Small 2D PbS Nanoplatelets: Liquidâ€Phase Exfoliation and Emerging Applications for Photoâ€Electrochemical Photodetectors. Small, 2021, 17, e2005913.	10.0	50
12	Functional two-dimensional black phosphorus nanostructures towards next-generation devices. Journal of Materials Chemistry A, 2021, 9, 12433-12473.	10.3	73
13	Stretchable Energy Storage Devices Based on Carbon Materials. Small, 2021, 17, e2005015.	10.0	34
14	Structural Transformative Antioxidants for Dualâ€Responsive Antiâ€Inflammatory Delivery and Photoacoustic Inflammation Imaging. Angewandte Chemie, 2021, 133, 14579-14587.	2.0	4
15	Structural Transformative Antioxidants for Dualâ€Responsive Antiâ€Inflammatory Delivery and Photoacoustic Inflammation Imaging. Angewandte Chemie - International Edition, 2021, 60, 14458-14466.	13.8	43
16	Highâ€Energyâ€Density Magnesiumâ€Air Battery Based on Dualâ€Layer Gel Electrolyte. Angewandte Chemie, 2021, 133, 15445-15450.	2.0	8
17	Black Phosphorus/Polymers: Status and Challenges. Advanced Materials, 2021, 33, e2100113.	21.0	53
18	Scalable production of high-performing woven lithium-ion fibre batteries. Nature, 2021, 597, 57-63.	27.8	270

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19	Designing of 0D/2D mixed-dimensional van der waals heterojunction over ultrathin g-C3N4 for high-performance flexible self-powered photodetector. Chemical Engineering Journal, 2021, 420, 129556.	12.7	34
20	Engineering Polymer Glue towards 90% Zinc Utilization for 1000 Hours to Make Highâ€Performance Znâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2107652.	14.9	115
21	Designing Porous Antifouling Interfaces for Highâ€Power Implantable Biofuel Cell. Advanced Functional Materials, 2021, 31, 2107160.	14.9	14
22	Flexible Tellurium-Based Electrode for High-Performance Lithium-Tellurium Battery. Nanomaterials, 2021, 11, 2903.	4.1	4
23	Gradually Crosslinking Carbon Nanotube Array in Mimicking the Beak of Giant Squid for Compressionâ€Sensing Supercapacitor. Advanced Functional Materials, 2020, 30, 1902971.	14.9	18
24	Recent Advances of Spatial Selfâ€Phase Modulation in 2D Materials and Passive Photonic Device Applications. Small, 2020, 16, e2002252.	10.0	35
25	Ultrafast Relaxation Dynamics and Nonlinear Response of Fewâ€Layer Niobium Carbide MXene. Small Methods, 2020, 4, 2000250.	8.6	84
26	Photodetectors: Graphdiyneâ€Based Flexible Photodetectors with High Responsivity and Detectivity (Adv. Mater. 23/2020). Advanced Materials, 2020, 32, 2070175.	21.0	5
27	Graphdiyne as a Promising Midâ€Infrared Nonlinear Optical Material for Ultrafast Photonics. Advanced Optical Materials, 2020, 8, 2000067.	7.3	57
28	Quantum confinement-induced enhanced nonlinearity and carrier lifetime modulation in two-dimensional tin sulfide. Nanophotonics, 2020, 9, 1963-1972.	6.0	22
29	Solar-blind deep-ultraviolet photodetectors based on solution-synthesized quasi-2D Te nanosheets. Nanophotonics, 2020, 9, 2459-2466.	6.0	24
30	Few-layer hexagonal bismuth telluride (Bi₂Te₃) nanoplates with high-performance UV-Vis photodetection. Nanoscale Advances, 2020, 2, 1333-1339.	4.6	33
31	1D@0D hybrid dimensional heterojunction-based photonics logical gate and isolator. Applied Materials Today, 2020, 19, 100589.	4.3	19
32	Synthesis and optoelectronics of mixed-dimensional Bi/Te binary heterostructures. Nanoscale Horizons, 2020, 5, 847-856.	8.0	28
33	Recent advances in doping engineering of black phosphorus. Journal of Materials Chemistry A, 2020, 8, 5421-5441.	10.3	93
34	MXene/Polymer Membranes: Synthesis, Properties, and Emerging Applications. Chemistry of Materials, 2020, 32, 1703-1747.	6.7	429
35	Emerging black phosphorus analogue nanomaterials for high-performance device applications. Journal of Materials Chemistry C, 2020, 8, 1172-1197.	5.5	54
36	Multifunctional VIâ€“VI binary heterostructure-based self-powered pH-sensitive photo-detector. Journal of Materials Chemistry C, 2020, 8, 5991-6000.	5.5	8

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37	Graphdiyneâ€Based Flexible Photodetectors with High Responsivity and Detectivity. Advanced Materials, 2020, 32, e2001082.	21.0	171
38	Recent Progress in Solid Electrolytes for Energy Storage Devices. Advanced Functional Materials, 2020, 30, 2000077.	14.9	115
39	Two-Dimensional Tellurium: Progress, Challenges, and Prospects. Nano-Micro Letters, 2020, 12, 99.	27.0	139
40	Tellurium@Selenium core-shell hetero-junction: Facile synthesis, nonlinear optics, and ultrafast photonics applications towards mid-infrared regime. Applied Materials Today, 2020, 20, 100657.	4.3	9
41	Atom-precise incorporation of platinum into ultrafine transition metal carbides for efficient synergetic electrochemical hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 4911-4919.	10.3	17
42	Highly stable MXene (V₂CT_x)-based harmonic pulse generation. Nanophotonics, 2020, 9, 2577-2585.	6.0	83
43	High-performance fiber-shaped lithium-ion batteries. Pure and Applied Chemistry, 2020, 92, 767-772.	1.9	2
44	Multifunctional Fibers to Shape Future Biomedical Devices. Advanced Functional Materials, 2019, 29, 1902834.	14.9	74
45	Epitaxial Growth of Topological Insulators on Semiconductors (Bi₂Se₃/Te@Se) toward Highâ€Performance Photodetectors. Small Methods, 2019, 3, 1900349.	8.6	45
46	Selfâ€Healable Black Phosphorus Photodetectors. Advanced Functional Materials, 2019, 29, 1906610.	14.9	48
47	Van der Waals Integration of Bismuth Quantum Dotsâ€“Decorated Tellurium Nanotubes (Te@Bi) Heterojunctions and Plasmaâ€Enhanced Optoelectronic Applications. Small, 2019, 15, e1903233.	10.0	45
48	Photodetectors: Enhanced Photodetection Properties of Tellurium@Selenium Rollâ€toâ€Roll Nanotube Heterojunctions (Small 23/2019). Small, 2019, 15, 1970125.	10.0	14
49	Enhanced Photodetection Properties of Tellurium@Selenium Rollâ€toâ€Roll Nanotube Heterojunctions. Small, 2019, 15, e1900902.	10.0	120
50	The Rise of Fiber Electronics. Angewandte Chemie - International Edition, 2019, 58, 13643-13653.	13.8	86
51	Kerr Nonlinearity in 2D Graphdiyne for Passive Photonic Diodes. Advanced Materials, 2019, 31, e1807981.	21.0	187
52	Stabilizing Lithium into Crossâ€Stacked Nanotube Sheets with an Ultraâ€High Specific Capacity for Lithium Oxygen Batteries. Angewandte Chemie - International Edition, 2019, 58, 2437-2442.	13.8	111
53	Glutathione-Responsive Prodrug Nanoparticles for Effective Drug Delivery and Cancer Therapy. ACS Nano, 2019, 13, 357-370.	14.6	204
54	The Recent Advance in Fiberâ€Shaped Energy Storage Devices. Advanced Electronic Materials, 2019, 5, 1800456.	5.1	103

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55	Synthesis of ultrathin semicircle-shaped copper nanowires in ethanol solution for low haze flexible transparent conductors. Nano Research, 2018, 11, 3899-3910.	10.4	25
56	Sticky-note supercapacitors. Journal of Materials Chemistry A, 2018, 6, 3355-3360.	10.3	28
57	Synthesis of Ultralong Copper Nanowires for High-Performance Flexible Transparent Conductive Electrodes: The Effects of Polyhydric Alcohols. Langmuir, 2018, 34, 3884-3893.	3.5	44
58	A Liâ€“Air Battery with Ultralong Cycle Life in Ambient Air. Advanced Materials, 2018, 30, 1704378.	21.0	113
59	A Lithiumâ€“Air Battery Stably Working at High Temperature with High Rate Performance. Small, 2018, 14, 1703454.	10.0	44
60	Two-dimensional beta-lead oxide quantum dots. Nanoscale, 2018, 10, 20540-20547.	5.6	49
61	Cancer Theranostics: Twoâ€Dimensional Antimoneneâ€Based Photonic Nanomedicine for Cancer Theranostics (Adv. Mater. 38/2018). Advanced Materials, 2018, 30, 1870283.	21.0	3
62	The pâ€Orbital Delocalization of Mainâ€Group Metals to Boost CO₂ Electroreduction. Angewandte Chemie - International Edition, 2018, 57, 16114-16119.	13.8	159
63	Cancer Theranostics: A Novel Top-Down Synthesis of Ultrathin 2D Boron Nanosheets for Multimodal Imaging-Guided Cancer Therapy (Adv. Mater. 36/2018). Advanced Materials, 2018, 30, 1870268.	21.0	4
64	Weaving Sensing Fibers into Electrochemical Fabric for Realâ€Time Health Monitoring. Advanced Functional Materials, 2018, 28, 1804456.	14.9	216
65	Twoâ€Dimensional Antimoneneâ€Based Photonic Nanomedicine for Cancer Theranostics. Advanced Materials, 2018, 30, e1802061.	21.0	314
66	A Novel Topâ€Down Synthesis of Ultrathin 2D Boron Nanosheets for Multimodal Imagingâ€Guided Cancer Therapy. Advanced Materials, 2018, 30, e1803031.	21.0	318
67	Alignment of Thermally Conducting Nanotubes Making High-Performance Light-Driving Motors. ACS Applied Materials & Interfaces, 2018, 10, 26765-26771.	8.0	24
68	A self-healing and stretchable light-emitting device. Journal of Materials Chemistry C, 2018, 6, 12774-12780.	5.5	36
69	The recent progress of nitrogen-doped carbon nanomaterials for electrochemical batteries. Journal of Materials Chemistry A, 2018, 6, 12932-12944.	10.3	218
70	Dye-sensitized solar cells based on cobalt-containing room temperature ionic liquid redox shuttles. RSC Advances, 2017, 7, 13689-13695.	3.6	14
71	Energy harvesting and storage in 1D devices. Nature Reviews Materials, 2017, 2, .	48.7	421
72	Plasmonic copper nanowire@TiO2 nanostructures for improving the performance of dye-sensitized solar cells. Journal of Power Sources, 2017, 342, 292-300.	7.8	36

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73	Fiber-based MnO2/carbon nanotube/polyimide asymmetric supercapacitor. Carbon, 2017, 125, 595-604.	10.3	108
74	An Ultraflexible Siliconâ€“Oxygen Battery Fiber with High Energy Density. Angewandte Chemie - International Edition, 2017, 56, 13741-13746.	13.8	59
75	Carbon nanomaterials for flexible lithium ion batteries. Carbon, 2017, 124, 79-88.	10.3	64
76	One-Pot Synthesis and Purification of Ultralong Silver Nanowires for Flexible Transparent Conductive Electrodes. ACS Applied Materials & Interfaces, 2017, 9, 25465-25473.	8.0	145
77	A flexible and self-formed sandwich structure strain sensor based on AgNW decorated electrospun fibrous mats with excellent sensing capability and good oxidation inhibition properties. Journal of Materials Chemistry C, 2017, 5, 7035-7042.	5.5	100
78	Highâ€Performance Lithiumâ€“Air Battery with a Coaxialâ€Fiber Architecture. Angewandte Chemie - International Edition, 2016, 55, 4487-4491.	13.8	189
79	A fiber-shaped aqueous lithium ion battery with high power density. Journal of Materials Chemistry A, 2016, 4, 9002-9008.	10.3	132
80	Integrating photovoltaic conversion and lithium ion storage into a flexible fiber. Journal of Materials Chemistry A, 2016, 4, 7601-7605.	10.3	42
81	Design of a Hierarchical Ternary Hybrid for a Fiber-Shaped Asymmetric Supercapacitor with High Volumetric Energy Density. Journal of Physical Chemistry C, 2016, 120, 9685-9691.	3.1	140
82	A Selfâ€Healing Aqueous Lithiumâ€Ion Battery. Angewandte Chemie - International Edition, 2016, 55, 14384-14388.	13.8	191
83	Stretchable lithium-air batteries for wearable electronics. Journal of Materials Chemistry A, 2016, 4, 13419-13424.	10.3	82
84	Highly efficient dye-sensitized solar cells based on low concentration organic thiolate/disulfide redox couples. RSC Advances, 2016, 6, 70460-70467.	3.6	17
85	Advances in Wearable Fiberâ€Shaped Lithiumâ€Ion Batteries. Advanced Materials, 2016, 28, 4524-4531.	21.0	201
86	Plasmonâ€Induced Broadband Lightâ€Harvesting for Dyeâ€Sensitized Solar Cells Using a Mixture of Gold Nanocrystals. ChemSusChem, 2016, 9, 813-819.	6.8	31
87	An Allâ€Solidâ€State Fiberâ€Shaped Aluminumâ€“Air Battery with Flexibility, Stretchability, and High Electrochemical Performance. Angewandte Chemie - International Edition, 2016, 55, 7979-7982.	13.8	211
88	Elastic and wearable ring-type supercapacitors. Journal of Materials Chemistry A, 2016, 4, 3217-3222.	10.3	34
89	Inorganic salt templated porous TiO₂ photoelectrode for solid-state dye-sensitized solar cells. RSC Advances, 2016, 6, 346-352.	3.6	9
90	Dual-function optoelectronic polymer device for photoelectric conversion and electroluminescence. Journal of Materials Chemistry C, 2016, 4, 1144-1148.	5.5	6

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91	Flexible, Stretchable, and Rechargeable Fiberâ€Shaped Zincâ€“Air Battery Based on Crossâ€Stacked Carbon Nanotube Sheets. Angewandte Chemie - International Edition, 2015, 54, 15390-15394.	13.8	291
92	Fabricating Continuous Supercapacitor Fibers with High Performances by Integrating All Building Materials and Steps into One Process. Advanced Materials, 2015, 27, 7854-7860.	21.0	176
93	Realizing both High Energy and High Power Densities by Twisting Three Carbonâ€Nanotubeâ€Based Hybrid Fibers. Angewandte Chemie - International Edition, 2015, 54, 11177-11182.	13.8	97
94	A Shapeâ€Memory Supercapacitor Fiber. Angewandte Chemie - International Edition, 2015, 54, 15419-15423.	13.8	141
95	Recent Applications of Graphene in Dye-sensitized Solar Cells. Current Opinion in Colloid and Interface Science, 2015, 20, 406-415.	7.4	31
96	A Gumâ€Like Lithiumâ€Ion Battery Based on a Novel Arched Structure. Advanced Materials, 2015, 27, 1363-1369.	21.0	185
97	A redox-active gel electrolyte for fiber-shaped supercapacitor with high area specific capacitance. Journal of Materials Chemistry A, 2015, 3, 6286-6290.	10.3	47
98	Aligned carbon nanotube/molybdenum disulfide hybrids for effective fibrous supercapacitors and lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 17553-17557.	10.3	103
99	Failure mechanism in fiber-shaped electrodes for lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 10942-10948.	10.3	26
100	Recent Advancement of Nanostructured Carbon for Energy Applications. Chemical Reviews, 2015, 115, 5159-5223.	47.7	703
101	Flexible electroluminescent fiber fabricated from coaxially wound carbon nanotube sheets. Journal of Materials Chemistry C, 2015, 3, 5621-5624.	5.5	69
102	Designing one-dimensional supercapacitors in a strip shape for high performance energy storage fabrics. Journal of Materials Chemistry A, 2015, 3, 19304-19309.	10.3	26
103	Stretchable Polymer Solar Cell Fibers. Small, 2015, 11, 675-680.	10.0	75
104	Weaving Efficient Polymer Solar Cell Wires into Flexible Power Textiles. Advanced Energy Materials, 2014, 4, 1301750.	19.5	100
105	Winding Aligned Carbon Nanotube Composite Yarns into Coaxial Fiber Full Batteries with High Performances. Nano Letters, 2014, 14, 3432-3438.	9.1	224
106	Electrochromic Fiberâ€Shaped Supercapacitors. Advanced Materials, 2014, 26, 8126-8132.	21.0	306
107	Flexible and Stretchable Lithiumâ€Ion Batteries and Supercapacitors Based on Electrically Conducting Carbon Nanotube Fiber Springs. Angewandte Chemie - International Edition, 2014, 53, 14564-14568.	13.8	334
108	Super-stretchy lithium-ion battery based on carbon nanotube fiber. Journal of Materials Chemistry A, 2014, 2, 11054.	10.3	167

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109	Elastic and Wearable Wireâ€Shaped Lithiumâ€ion Battery with High Electrochemical Performance. Angewandte Chemie - International Edition, 2014, 53, 7864-7869.	13.8	306
110	Flexible and Weaveable Capacitor Wire Based on a Carbon Nanocomposite Fiber. Advanced Materials, 2013, 25, 5965-5970.	21.0	441
111	Bis-imidazolium based poly(ionic liquid) electrolytes for quasi-solid-state dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 18018.	6.7	135
112	Phosphorylation of Histone H2A Inhibits Transcription on Chromatin Templates. Journal of Biological Chemistry, 2004, 279, 21866-21872.	3.4	52
113	Negative role of cAMPâ€dependent protein kinase A in RANTESâ€mediated transcription of proinflammatory mediators through Raf. FASEB Journal, 2003, 17, 734-736.	0.5	10
114	RANTES-mediated Chemokine Transcription in Astrocytes Involves Activation and Translocation of p90 Ribosomal S6 Protein Kinase (RSK). Journal of Biological Chemistry, 2002, 277, 19042-19048.	3.4	26