

# Ting Zhang

## List of Publications by Year in descending order

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55  
papers

1,943  
citations

236612

25  
h-index

253896

43  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2631  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible and High-Voltage Coaxial-Fiber Aqueous Rechargeable Zinc-Ion Battery. <i>Nano Letters</i> , 2019, 19, 4035-4042.	4.5	202
2	Fiber-based thermoelectrics for solid, portable, and wearable electronics. <i>Energy and Environmental Science</i> , 2021, 14, 729-764.	15.6	143
3	High-performance, flexible, and ultralong crystalline thermoelectric fibers. <i>Nano Energy</i> , 2017, 41, 35-42.	8.2	132
4	All-in-one stretchable coaxial-fiber strain sensor integrated with high-performing supercapacitor. <i>Energy Storage Materials</i> , 2020, 25, 124-130.	9.5	100
5	High thermoelectric figure-of-merits from large-area porous silicon nanowire arrays. <i>Nano Energy</i> , 2015, 13, 433-441.	8.2	95
6	High-performance flexible all-solid-state aqueous rechargeable Zn <sup>2+</sup> /MnO <sub>2</sub> microbatteries integrated with wearable pressure sensors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14594-14601.	5.2	91
7	All-Metal-Organic Framework-Derived Battery Materials on Carbon Nanotube Fibers for Wearable Energy Storage Device. <i>Advanced Science</i> , 2018, 5, 1801462.	5.6	89
8	Mechanically Durable and Flexible Thermoelectric Films from PEDOT:PSS/PVA/Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> Nanocomposites. <i>Advanced Electronic Materials</i> , 2017, 3, 1600554.	2.6	80
9	Enhanced thermoelectric performance in p-type BiSbTe bulk alloy with nano-inclusion of ZnAlO. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	62
10	Spectral Characteristics and Ultrahigh Sensitivities Near the Dispersion Turning Point of Optical Microfiber Couplers. <i>Journal of Lightwave Technology</i> , 2018, 36, 2409-2415.	2.7	60
11	Single-Crystal SnSe Thermoelectric Fibers via Laser-Induced Directional Crystallization: From 1D Fibers to Multidimensional Fabrics. <i>Advanced Materials</i> , 2020, 32, e2002702.	11.1	57
12	Ordered and Atomically Perfect Fragmentation of Layered Transition Metal Dichalcogenides <i>via</i> Mechanical Instabilities. <i>ACS Nano</i> , 2017, 11, 9191-9199.	7.3	53
13	Durable, stretchable and washable inorganic-based woven thermoelectric textiles for power generation and solid-state cooling. <i>Energy and Environmental Science</i> , 2022, 15, 2374-2385.	15.6	51
14	Ultraflexible Glassy Semiconductor Fibers for Thermal Sensing and Positioning. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 2441-2447.	4.0	50
15	Highly Oriented Electrospun P(VDF-TrFE) Fibers via Mechanical Stretching for Wearable Motion Sensing. <i>Advanced Materials Technologies</i> , 2018, 3, 1800033.	3.0	46
16	Electron-Rich Two-Dimensional Molybdenum Trioxides for Highly Integrated Plasmonic Biosensing. <i>ACS Photonics</i> , 2018, 5, 347-352.	3.2	45
17	Controlled Fragmentation of Single-Atom-Thick Polycrystalline Graphene. <i>Matter</i> , 2020, 2, 666-679.	5.0	45
18	Flexible Piezoelectric Fibers for Acoustic Sensing and Positioning. <i>Advanced Electronic Materials</i> , 2017, 3, 1600449.	2.6	44

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19	Analysis of nutrient transport and ecological response in Honghu Lake, China by using a mathematical model. <i>Science of the Total Environment</i> , 2017, 575, 418-428.	3.9	37
20	Designer patterned functional fibers via direct imprinting in thermal drawing. <i>Nature Communications</i> , 2020, 11, 3842.	5.8	36
21	In Situ Precipitation of Te Nanoparticles in p-Type BiSbTe and the Effect on Thermoelectric Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 3071-3074.	4.0	33
22	Laser-Induced In-Fiber Fluid Dynamical Instabilities for Precise and Scalable Fabrication of Spherical Particles. <i>Advanced Functional Materials</i> , 2017, 27, 1703245.	7.8	29
23	In-fibre particle manipulation and device assembly via laser induced thermocapillary convection. <i>Nature Communications</i> , 2019, 10, 5206.	5.8	29
24	Enhanced thermoelectric figure of merit in p-type BiSbTeSe alloy with ZnSb addition. <i>Journal of Materials Chemistry A</i> , 2013, 1, 966-969.	5.2	28
25	Azimuthally Polarized Radial Emission from a Quantum Dot Fiber Laser. <i>ACS Photonics</i> , 2016, 3, 2275-2279.	3.2	27
26	Enhanced biodesulfurization by magnetic immobilized <i>Rhodococcus erythropolis</i> LSSE8-1-vgb assembled with nano- $\text{I}^3\text{-Al}_2\text{O}_3$ . <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 299-305.	1.7	24
27	Fully Solar-Powered Uninterrupted Overall Water-Splitting Systems. <i>Advanced Functional Materials</i> , 2019, 29, 1808889.	7.8	24
28	Thermoelectric performance of the ordered $\text{In}_4\text{Se}_3\text{-In}$ composite constructed by monotectic solidification. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8844.	5.2	23
29	High-Capacity Iron-Based Anodes for Aqueous Secondary Nickel-Iron Batteries: Recent Progress and Prospects. <i>ChemElectroChem</i> , 2021, 8, 274-290.	1.7	23
30	Thermally drawn multifunctional fibers: Toward the next generation of information technology. <i>Informa Mater</i> , 2022, 4, .	8.5	21
31	Experimental Study on Thermal Conductivity and Rectification in Suspended Monolayer $\text{MoS}_2$ . <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 28306-28312.	4.0	20
32	Formation of ultra-flexible, conformal, and nano-patterned photonic surfaces via polymer cold-drawing. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4649-4657.	2.7	17
33	Charge Balance in Red QLEDs for High Efficiency and Stability via Ionic Liquid Doping. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	17
34	Ultra-deep desulfurization adsorbents for hydrotreated diesel with magnetic mesoporous aluminosilicates. <i>AIChE Journal</i> , 2010, 56, 1391-1396.	1.8	13
35	Effect of dehydrated-attapulgite nanoinclusions on the thermoelectric properties of BiSbTe alloys. <i>RSC Advances</i> , 2013, 3, 4951.	1.7	11
36	New Progress on Fiber-Based Thermoelectric Materials: Performance, Device Structures and Applications. <i>Materials</i> , 2021, 14, 6306.	1.3	11

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37	A Review on Flexible Thermoelectric Technology: Material, Device, and Applications. International Journal of Thermophysics, 2021, 42, 1.	1.0	10
38	Phosphoric Acid: A Key Role in Control of Structure and Properties of Vanadium Phosphorus Oxide Catalysts During Synthesis. ChemistrySelect, 2021, 6, 513-521.	0.7	9
39	In-Fiber Production of Laser-Structured Stress-Mediated Semiconductor Particles. ACS Applied Materials & Interfaces, 2019, 11, 45330-45337.	4.0	8
40	Thermal Rectifier and Thermal Transistor of 1T/2H MoS <sub>2</sub> for Heat Flow Management. ACS Applied Materials & Interfaces, 2022, 14, 4434-4442.	4.0	7
41	Integrated liquid crystal photonic bandgap fiber devices. Frontiers of Optoelectronics, 2016, 9, 466-482.	1.9	6
42	Multifunctional single-crystal tellurium core multimaterial fiber via thermal drawing and laser recrystallization. Journal of the American Ceramic Society, 0, , .	1.9	6
43	Cadmium impairs zebrafish swim bladder development via ROS mediated inhibition of the Wnt / Hedgehog pathway. Aquatic Toxicology, 2022, 247, 106180.	1.9	6
44	Carbon Nanotube/Alkane Composites for Efficient Room-Temperature Electrical Switching in Temperature Sensors and Controllers. ACS Applied Nano Materials, 2019, 2, 7766-7774.	2.4	5
45	Recent Advances and Prospects of Fiber-Shaped Rechargeable Aqueous Alkaline Batteries. Advanced Energy and Sustainability Research, 2021, 2, 2100060.	2.8	5
46	Preparation of AZO nanoparticles, ceramic targets and thin films by a Co-precipitation method. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 1134-1139.	0.4	3
47	High-Efficiency Flexible Organic Photovoltaics and Thermoelectricities Based on Thionyl Chloride Treated PEDOT:PSS Electrodes. Frontiers in Chemistry, 2021, 9, 807538.	1.8	3
48	Printed carbon nanotube devices and their applications. , 2012, , .		2
49	Microfluidic Analyzer Enabling Quantitative Measurements of Specific Intracellular Proteins at the Single-Cell Level. Micromachines, 2018, 9, 588.	1.4	2
50	High-Capacity Iron-Based Anodes for Aqueous Secondary Nickel-Iron Batteries: Recent Progress and Prospects. ChemElectroChem, 2021, 8, 273-273.	1.7	2
51	Wearable Electronics: Mechanically Durable and Flexible Thermoelectric Films from PEDOT:PSS/PVA/Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> Nanocomposites (Adv. Electron.) Tj ETQq1 1.0.784314 rgBT /Ov		
52	Particles: Laser-Induced In-Fiber Fluid Dynamical Instabilities for Precise and Scalable Fabrication of Spherical Particles (Adv. Funct. Mater. 43/2017). Advanced Functional Materials, 2017, 27, .	7.8	0
53	High-Q silicon microsphere whispering gallery mode resonator fabricated by laser induced in-fiber capillary instability. , 2017, , .		0
54	Dietary chicory powder supplementation affects growth performance, carcass traits, and muscular profiles of amino acids and fatty acids in growing-finishing Xiangcun Black pigs. Journal of Applied Animal Research, 2021, 49, 46-52.	0.4	0

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55	Thermoelectric Fibers. Progress in Optical Science and Photonics, 2020, , 175-197.	0.3	0