

# Liangzhu Zhang

## List of Publications by Year in descending order

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27  
papers

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citations

566801

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580395

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28  
docs citations

28  
times ranked

737  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene-Boron Nitride Membranes with Low Internal Resistance for Enhanced Salinity Gradient Energy Harvesting. ACS Nano, 2021, 15, 6594-6603.	7.3	116
2	Interfacial Engineering of Bifunctional Niobium (V)-Based Heterostructure Nanosheet Toward High Efficiency Lean-Electrolyte Lithium-Sulfur Full Batteries. Advanced Functional Materials, 2021, 31, 2102314.	7.8	93
3	Ink formulation, scalable applications and challenging perspectives of screen printing for emerging printed microelectronics. Journal of Energy Chemistry, 2021, 63, 498-513.	7.1	71
4	High-Voltage Potassium Ion Micro-Supercapacitors with Extraordinary Volumetric Energy Density for Wearable Pressure Sensor System. Advanced Energy Materials, 2021, 11, 2003835.	10.2	53
5	Ultrathin Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene) membrane for pressure-driven electrokinetic power generation. Nano Energy, 2020, 75, 104954.	8.2	49
6	Micro-supercapacitors powered integrated system for flexible electronics. Energy Storage Materials, 2020, 32, 402-417.	9.5	47
7	Borocarbonitrides nanosheets engineered 3D-printed scaffolds for integrated strategy of osteosarcoma therapy and bone regeneration. Chemical Engineering Journal, 2020, 401, 125989.	6.6	37
8	Shape-tailorable high-energy asymmetric micro-supercapacitors based on plasma reduced and nitrogen-doped graphene oxide and MoO <sub>2</sub> nanoparticles. Journal of Materials Chemistry A, 2019, 7, 14328-14336.	5.2	34
9	Controlled Design of a Robust Hierarchically Porous and Hollow Carbon Fiber Textile for High-Performance Freestanding Electrodes. Advanced Science, 2019, 6, 1900762.	5.6	29
10	Solid Phase Exfoliation for Producing Dispersible Transition Metal Dichalcogenides Nanosheets. Advanced Functional Materials, 2020, 30, 2004139.	7.8	27
11	MXene coupled with molybdenum dioxide nanoparticles as 2D-0D pseudocapacitive electrode for high performance flexible asymmetric micro-supercapacitors. Journal of Materiomics, 2020, 6, 138-144.	2.8	27
12	Ultrafast, Stable Ionic and Molecular Sieving through Functionalized Boron Nitride Membranes. ACS Applied Materials & Interfaces, 2019, 11, 30430-30436.	4.0	25
13	Tailoring the defects of two-dimensional borocarbonitride nanomesh for high energy density micro-supercapacitor. Energy Storage Materials, 2021, 42, 430-437.	9.5	25
14	Rational design of 2D super holey metal carbonitride leaf-like nanostructure for efficient oxygen electrocatalysis. Carbon, 2020, 164, 287-295.	5.4	18
15	All 3D Printing Shape-Conformable Zinc Ion Hybrid Capacitors with Ultrahigh Areal Capacitance and Improved Cycle Life. Advanced Energy Materials, 2022, 12, .	10.2	18
16	Ultrafast Growth of Thin Hexagonal and Pyramidal Molybdenum Nitride Crystals and Films. , 2019, 1, 383-388.		17
17	Facile synthesis of Au/Pd nano-dogbones and their plasmon-enhanced visible-to-NIR light photocatalytic performance. RSC Advances, 2017, 7, 36923-36928.	1.7	16
18	Rapid fabrication of high-quality few-layer graphene through gel-phase electrochemical exfoliation of graphite for high-energy-density ionogel-based micro-supercapacitors. Carbon, 2022, 196, 203-212.	5.4	16

#	ARTICLE	IF	CITATIONS
19	All Pseudocapacitive Nitrogen-Doped Reduced Graphene Oxide and Polyaniline Nanowire Network for High-Performance Flexible On-Chip Energy Storage. ACS Applied Energy Materials, 2020, 3, 6845-6852.	2.5	13
20	2D Nb <sub>4</sub> N <sub>5</sub> Nanosheets Synthesized by a Template Method. Chemistry - an Asian Journal, 2020, 15, 1609-1612.	1.7	13
21	Two-dimensional Boron Nitride for Electronics and Energy Applications. Energy and Environmental Materials, 2022, 5, 10-44.	7.3	11
22	Two-Dimensional Borocarbonitride Nanosheet-Engineered Hydrogel as an All-In-One Platform for Melanoma Therapy and Skin Regeneration. Chemistry of Materials, 2022, 34, 6568-6581.	3.2	8
23	Investigation on microwave dielectric properties and microstructures of (1-x) LaAlO <sub>3</sub> -xCa <sub>0.2</sub> Sr <sub>0.8</sub> TiO <sub>3</sub> ceramics. Journal of Alloys and Compounds, 2015, 649, 254-260.	2.8	6
24	A novel temperature-stable and low-loss microwave dielectric using Ca <sub>0.8</sub> Sr <sub>0.2</sub> TiO <sub>3</sub> - modified Li <sub>2</sub> Mg <sub>3</sub> TiO <sub>6</sub> ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 13705-13709.	1.1	6
25	Low loss and temperature stable microwave dielectric ceramics in (1-x)Li <sub>2</sub> TiO <sub>3</sub> -xLi <sub>2</sub> Mg <sub>3</sub> TiO <sub>6</sub> (0.1≤x≤0.5) system. Journal of Materials Science: Materials in Electronics, 2018, 29, 7114-7118.	1.1	4
26	Investigating the relationship of 1:1 ordering with the quality factor in Sr(Zn <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 5238-5242.	1.1	2
27	Micro-Supercapacitors: High-Voltage Potassium Ion Micro-Supercapacitors with Extraordinary Volumetric Energy Density for Wearable Pressure Sensor System (Adv. Energy Mater. 17/2021). Advanced Energy Materials, 2021, 11, 2170065.	10.2	0