Liangzhu Zhang

List of Publications by Year
in descending order

27 papers	781 citations	566801 15 h-index	580395 25 g-index
28 all docs	28 docs citations	28 times ranked	737 citing authors

#	Article	IF	Citations
1	Twoâ€dimensional Boron Nitride for Electronics and Energy Applications. Energy and Environmental Materials, 2022, 5, 10-44.	7.3	11
2	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
3	All 3D Printing Shapeâ€Conformable Zinc Ion Hybrid Capacitors with Ultrahigh Areal Capacitance and Improved Cycle Life. Advanced Energy Materials, 2022, 12, .	10.2	18
4	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
5	Stable Ti₃C₂T_{<i>x</i>} MXeneâ€"Boron Nitride Membranes with Low Internal Resistance for Enhanced Salinity Gradient Energy Harvesting. ACS Nano, 2021, 15, 6594-6603.	7.3	116
6	Highâ€Voltage Potassium Ion Microâ€Supercapacitors with Extraordinary Volumetric Energy Density for Wearable Pressure Sensor System. Advanced Energy Materials, 2021, 11, 2003835.	10.2	53
7	Interfacial Engineering of Bifunctional Niobium (V)â€Based Heterostructure Nanosheet Toward High Efficiency Leanâ€Electrolyte Lithiumâ€"Sulfur Full Batteries. Advanced Functional Materials, 2021, 31, 2102314.	7.8	93
8	Microâ€Supercapacitors: Highâ€Voltage Potassium Ion Microâ€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
9	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
10	Tailoring the defects of two-dimensional borocarbonitride nanomesh for high energy density micro-supercapacitor. Energy Storage Materials, 2021, 42, 430-437.	9.5	25
11	Micro-supercapacitors powered integrated system for flexible electronics. Energy Storage Materials, 2020, 32, 402-417.	9.5	47
12	Solid Phase Exfoliation for Producing Dispersible Transition Metal Dichalcogenides Nanosheets. Advanced Functional Materials, 2020, 30, 2004139.	7.8	27
13	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
14	2D Nb₄N₅ Nanosheets Synthesized by a Template Method. Chemistry - an Asian Journal, 2020, 15, 1609-1612.	1.7	13
15	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
16	Borocarbonitrides nanosheets engineered 3D-printed scaffolds for integrated strategy of osteosarcoma therapy and bone regeneration. Chemical Engineering Journal, 2020, 401, 125989.	6.6	37
17	Rational design of 2D super holey metal carboniride leaf-like nanostructure for efficient oxygen electrocatalysis. Carbon, 2020, 164, 287-295.	5.4	18
18	Ultrathin Ti3C2Tx (MXene) membrane for pressure-driven electrokinetic power generation. Nano Energy, 2020, 75, 104954.	8.2	49

#	Article	IF	Citations
19	Ultrafast, Stable Ionic and Molecular Sieving through Functionalized Boron Nitride Membranes. ACS Applied Materials & Interfaces, 2019, 11, 30430-30436.	4.0	25
20	Controlled Design of a Robust Hierarchically Porous and Hollow Carbon Fiber Textile for Highâ€Performance Freestanding Electrodes. Advanced Science, 2019, 6, 1900762.	5.6	29
21	Ultrafast Growth of Thin Hexagonal and Pyramidal Molybdenum Nitride Crystals and Films. , 2019, 1, 383-388.		17
22	Shape-tailorable high-energy asymmetric micro-supercapacitors based on plasma reduced and nitrogen-doped graphene oxide and MoO₂ nanoparticles. Journal of Materials Chemistry A, 2019, 7, 14328-14336.	5.2	34
23	Low loss and temperature stable microwave dielectric ceramics in (1â€‰âˆ’â€‰x)Li2TiO3â€“xLi2Mg3TiO6 (0.1â€‰â‰â€‰xâ€‰â‰â€‰0.5) system. Journal of Materials Science: Materials in Electronics, 2018, 29, 7114-7118.	1.1	4
24	A novel temperature-stable and low-loss microwave dielectric using Ca0.8Sr0.2TiO3- modified Li2Mg3TiO6 ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 13705-13709.	1.1	6
25	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
26	Investigating the relationship of 1:1 ordering with the quality factor in Sr(Zn1/3Nb2/3)O3 ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 5238-5242.	1.1	2
27	Investigation on microwave dielectric properties and microstructures of (1âˆ’x) LaAlO3-xCa0.2Sr0.8TiO3 ceramics. Journal of Alloys and Compounds, 2015, 649, 254-260.	2.8	6