Lei Sheng

List of Publications by Year
in descending order

43 papers	1,349 citations	516561 16 h-index	477173 29 g-index
47 all docs	47 docs citations	47 times ranked	1157 citing authors

#	Article	IF	Citations
1	Endosomal escapable cryo-treatment-driven membrane-encapsulated Ga liquid-metal transformer to facilitate intracellular therapy. Matter, 2022, 5, 219-236.	5.0	33
2	LM-Jelly: Liquid Metal Enabled Biomimetic Robotic Jellyfish. Soft Robotics, 2022, 9, 1098-1107.	4.6	30
3	Simulation and verification electrical properties of liquid metal flexible bioelectrodes. Microsystem Technologies, 2021, 27, 673-679.	1.2	5
4	Design and fabrication novel flexible electrode used for external defibrillator based on liquid metal. Microsystem Technologies, 2021, 27, 3349-3355.	1.2	1
5	Mussel-Inspired Multifunctional Integrated Liquid Metal-Based Magnetic Suspensions with Rheological, Magnetic, Electrical, and Thermal Reinforcement. ACS Applied Materials & Interfaces, 2021, 13, 5256-5265.	4.0	25
6	Liquid Metalâ€Enabled Soft Logic Devices. Advanced Intelligent Systems, 2021, 3, 2000246.	3.3	15
7	Study on the biocompatibility of Ga-based and Al-assisted self-driven liquid metal in cell and animal experiments for drug delivery. Bio-Medical Materials and Engineering, 2021, 32, 1-14.	0.4	2
8	An Integrated Soft Jumping Robotic Module Based on Liquid Metals. Advanced Engineering Materials, 2021, 23, 2100515.	1.6	7
9	EGaIn Fiber Enabled Highly Flexible Supercapacitors. ACS Omega, 2021, 6, 24444-24449.	1.6	14
10	An Integrated Soft Jumping Robotic Module Based on Liquid Metals. Advanced Engineering Materials, 2021, 23, .	1.6	4
11	Liquid Metal-Based Magnetorheological Fluid with a Large Magnetocaloric Effect. ACS Applied Materials & Interfaces, 2020, 12, 48748-48755.	4.0	8
12	Liquid Metal Microparticles Phase Change Medicated Mechanical Destruction for Enhanced Tumor Cryoablation and Dualâ€Mode Imaging. Advanced Functional Materials, 2020, 30, 2003359.	7.8	69
13	Liquid metal enabled injectable biomedical technologies and applications. Applied Materials Today, 2020, 20, 100722.	2.3	49
14	Cuâ€“EGaIn enabled stretchable e-skin for interactive electronics and CT assistant localization. Materials Horizons, 2020, 7, 1845-1853.	6.4	62
15	Microwave-Induced Thermal Lesion Detection via Ultrasonic Scatterer Center Frequency Analysis with Autoregressive Cepstrum. Critical Reviews in Biomedical Engineering, 2020, 48, 85-93.	0.5	0
16	Large-Magnitude Transformable Liquid-Metal Composites. ACS Omega, 2019, 4, 2311-2319.	1.6	41
17	Hybrid Liquid Metal Machine. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 329-358.	1.4	0
18	Liquid Metal Wheeled 3D-Printed Vehicle. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 359-372.	1.4	1

#	Article	IF	Citations
19	Substrate Enabled Liquid Metal Machine. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 287-309.	1.4	0
20	Chemicals Enabled Liquid Metal Machine. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 311-328.	1.4	0
21	Electrically Induced Transformations of Liquid Metal Among Different Morphologies. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 55-89.	1.4	0
22	Self Fuelled Transformable Liquid Metal Machine. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 131-171.	1.4	0
23	Nanoparticles Enabled Liquid Metal Motions. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 267-285.	1.4	0
24	Directional Control of Self-fuelled Liquid Metal Machine. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 223-248.	1.4	0
25	Electromagnetic Field Induced Transformation of Liquid Metal. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 109-129.	1.4	0
26	Self-Powered Tiny Liquid Metal Motors. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 173-197.	1.4	0
27	Liquid Metal Transient State Machine. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 199-222.	1.4	0
28	Vitamin D3 signaling and breast cancer: Insights from transgenic mouse models. Journal of Steroid Biochemistry and Molecular Biology, 2018, 178, 348-353.	1.2	11
29	Liquid metal spiral coil enabled soft electromagnetic actuator. Science China Technological Sciences, 2018, 61, 516-521.	2.0	66
30	Liquid-Metal-Painted Stretchable Capacitor Sensors for Wearable Healthcare Electronics. Journal of Medical and Biological Engineering, 2016, 36, 265-272.	1.0	63
31	Does the addition of drugs targeting the vascular endothelial growth factor pathway to first-line chemotherapy increase complete response? A meta-analysis of randomized clinical trials. Tumor Biology, 2016, 37, 6297-6306.	0.8	0
32	Identification of vitamin D3 target genes in human breast cancer tissue. Journal of Steroid Biochemistry and Molecular Biology, 2016, 164, 90-97.	1.2	23
33	Transient State Machines: Transient State Machine Enabled from the Colliding and Coalescence of a Swarm of Autonomously Running Liquid Metal Motors (Small 39/2015). Small, 2015, 11, 5178-5178.	5.2	2
34	Transient State Machine Enabled from the Colliding and Coalescence of a Swarm of Autonomously Running Liquid Metal Motors. Small, 2015, 11, 5253-5261.	5.2	67
35	Selfâ€Fueled Biomimetic Liquid Metal Mollusk. Advanced Materials, 2015, 27, 2648-2655.	11.1	336
36	Perioperative chemotherapy more of a benefit for overall survival than adjuvant chemotherapy for operable gastric cancer: an updated Meta-analysis. Scientific Reports, 2015, 5, 12850.	1.6	41

#	Article	IF	Citations
37	Selfâ€Fueled Motors: Selfâ€Fueled Biomimetic Liquid Metal Mollusk (Adv. Mater. 16/2015). Advanced Materials, 2015, 27, 2550-2550.	11.1	6
38	Diverse Transformations of Liquid Metals Between Different Morphologies. Advanced Materials, 2014, 26, 6036-6042.	11.1	213
39	Ultrasound signal wavelet analysis to quantify the microstructures of normal and frozen tissues in vitro. Cryobiology, 2014, 68, 29-34.	0.3	4
40	Synthetically chemical-electrical mechanism for controlling large scale reversible deformation of liquid metal objects. Scientific Reports, 2014, 4, 7116.	1.6	114
41	Ultrasonic evaluation of microwave-induced thermal lesions based on wavelet analysis of mean scatterer spacing. Ultrasonics, 2013, 53, 1325-1331.	2.1	31
42	Features of Ultrasonic Radio Frequency Signal in Microwave Ablation Experiments. , 2011, , .		1
43	Application Study of Using Ultrasonic Integral Backscatter to Monitor Microwave Coagulation Therapy. , 2010, , .		1