

Lei Sheng

List of Publications by Year in descending order

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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	Self-Fueled Biomimetic Liquid Metal Mollusk. <i>Advanced Materials</i> , 2015, 27, 2648-2655.	11.1	336
2	Diverse Transformations of Liquid Metals Between Different Morphologies. <i>Advanced Materials</i> , 2014, 26, 6036-6042.	11.1	213
3	Synthetically chemical-electrical mechanism for controlling large scale reversible deformation of liquid metal objects. <i>Scientific Reports</i> , 2014, 4, 7116.	1.6	114
4	Liquid Metal Microparticles Phase Change Medicated Mechanical Destruction for Enhanced Tumor Cryoablation and Dual-Mode Imaging. <i>Advanced Functional Materials</i> , 2020, 30, 2003359.	7.8	69
5	Transient State Machine Enabled from the Colliding and Coalescence of a Swarm of Autonomously Running Liquid Metal Motors. <i>Small</i> , 2015, 11, 5253-5261.	5.2	67
6	Liquid metal spiral coil enabled soft electromagnetic actuator. <i>Science China Technological Sciences</i> , 2018, 61, 516-521.	2.0	66
7	Liquid-Metal-Painted Stretchable Capacitor Sensors for Wearable Healthcare Electronics. <i>Journal of Medical and Biological Engineering</i> , 2016, 36, 265-272.	1.0	63
8	Cu-EGaIn enabled stretchable e-skin for interactive electronics and CT assistant localization. <i>Materials Horizons</i> , 2020, 7, 1845-1853.	6.4	62
9	Liquid metal enabled injectable biomedical technologies and applications. <i>Applied Materials Today</i> , 2020, 20, 100722.	2.3	49
10	Perioperative chemotherapy more of a benefit for overall survival than adjuvant chemotherapy for operable gastric cancer: an updated Meta-analysis. <i>Scientific Reports</i> , 2015, 5, 12850.	1.6	41
11	Large-Magnitude Transformable Liquid-Metal Composites. <i>ACS Omega</i> , 2019, 4, 2311-2319.	1.6	41
12	Endosomal escapable cryo-treatment-driven membrane-encapsulated Ga liquid-metal transformer to facilitate intracellular therapy. <i>Matter</i> , 2022, 5, 219-236.	5.0	33
13	Ultrasonic evaluation of microwave-induced thermal lesions based on wavelet analysis of mean scatterer spacing. <i>Ultrasonics</i> , 2013, 53, 1325-1331.	2.1	31
14	LM-Jelly: Liquid Metal Enabled Biomimetic Robotic Jellyfish. <i>Soft Robotics</i> , 2022, 9, 1098-1107.	4.6	30
15	Mussel-Inspired Multifunctional Integrated Liquid Metal-Based Magnetic Suspensions with Rheological, Magnetic, Electrical, and Thermal Reinforcement. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5256-5265.	4.0	25
16	Identification of vitamin D3 target genes in human breast cancer tissue. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 164, 90-97.	1.2	23
17	Liquid Metal-Enabled Soft Logic Devices. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000246.	3.3	15
18	EGaIn Fiber Enabled Highly Flexible Supercapacitors. <i>ACS Omega</i> , 2021, 6, 24444-24449.	1.6	14

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19	Vitamin D3 signaling and breast cancer: Insights from transgenic mouse models. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 178, 348-353.	1.2	11
20	Liquid Metal-Based Magnetorheological Fluid with a Large Magnetocaloric Effect. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48748-48755.	4.0	8
21	An Integrated Soft Jumping Robotic Module Based on Liquid Metals. <i>Advanced Engineering Materials</i> , 2021, 23, 2100515.	1.6	7
22	Self-Fueled Motors: Self-Fueled Biomimetic Liquid Metal Mollusk (<i>Adv. Mater.</i> 16/2015). <i>Advanced Materials</i> , 2015, 27, 2550-2550.	11.1	6
23	Simulation and verification electrical properties of liquid metal flexible bioelectrodes. <i>Microsystem Technologies</i> , 2021, 27, 673-679.	1.2	5
24	Ultrasound signal wavelet analysis to quantify the microstructures of normal and frozen tissues in vitro. <i>Cryobiology</i> , 2014, 68, 29-34.	0.3	4
25	An Integrated Soft Jumping Robotic Module Based on Liquid Metals. <i>Advanced Engineering Materials</i> , 2021, 23, .	1.6	4
26	Transient State Machines: Transient State Machine Enabled from the Colliding and Coalescence of a Swarm of Autonomously Running Liquid Metal Motors (<i>Small</i> 39/2015). <i>Small</i> , 2015, 11, 5178-5178.	5.2	2
27	Study on the biocompatibility of Ga-based and Al-assisted self-driven liquid metal in cell and animal experiments for drug delivery. <i>Bio-Medical Materials and Engineering</i> , 2021, 32, 1-14.	0.4	2
28	Application Study of Using Ultrasonic Integral Backscatter to Monitor Microwave Coagulation Therapy. , 2010, , .		1
29	Features of Ultrasonic Radio Frequency Signal in Microwave Ablation Experiments. , 2011, , .		1
30	Liquid Metal Wheeled 3D-Printed Vehicle. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2019, , 359-372.	1.4	1
31	Design and fabrication novel flexible electrode used for external defibrillator based on liquid metal. <i>Microsystem Technologies</i> , 2021, 27, 3349-3355.	1.2	1
32	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. <i>Tumor Biology</i> , 2016, 37, 6297-6306.	0.8	0
33	Hybrid Liquid Metal Machine. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2019, , 329-358.	1.4	0
34	Substrate Enabled Liquid Metal Machine. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2019, , 287-309.	1.4	0
35	Chemicals Enabled Liquid Metal Machine. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2019, , 311-328.	1.4	0
36	Electrically Induced Transformations of Liquid Metal Among Different Morphologies. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2019, , 55-89.	1.4	0

#	ARTICLE	IF	CITATIONS
37	Self Fuelled Transformable Liquid Metal Machine. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 131-171.	1.4	0
38	Nanoparticles Enabled Liquid Metal Motions. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 267-285.	1.4	0
39	Directional Control of Self-fuelled Liquid Metal Machine. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 223-248.	1.4	0
40	Electromagnetic Field Induced Transformation of Liquid Metal. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 109-129.	1.4	0
41	Self-Powered Tiny Liquid Metal Motors. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 173-197.	1.4	0
42	Liquid Metal Transient State Machine. Topics in Mining, Metallurgy and Materials Engineering, 2019, , 199-222.	1.4	0
43	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