

Xuelin Wang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,280
citations

516710

16
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1084
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advancements in Liquid Metal Flexible Printed Electronics: Properties, Technologies, and Applications. <i>Micromachines</i> , 2016, 7, 206.	2.9	154
2	Liquid Metal Based Soft Robotics: Materials, Designs, and Applications. <i>Advanced Materials Technologies</i> , 2019, 4, 1800549.	5.8	126
3	Soft and Moldable Mg-Doped Liquid Metal for Conformable Skin Tumor Photothermal Therapy. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800318.	7.6	116
4	Ni-GaN Amalgams Enabled Rapid and Customizable Fabrication of Wearable and Wireless Healthcare Electronics. <i>Advanced Engineering Materials</i> , 2018, 20, 1800054.	3.5	108
5	Printed Conformable Liquid Metal e-Skin Enabled Spatiotemporally Controlled Bioelectromagnetics for Wireless Multisite Tumor Therapy. <i>Advanced Functional Materials</i> , 2019, 29, 1907063.	14.9	107
6	PLUS-M: a Porous Liquid-metal enabled Ubiquitous Soft Material. <i>Materials Horizons</i> , 2018, 5, 222-229.	12.2	105
7	Injectable and Radiopaque Liquid Metal/Calcium Alginate Hydrogels for Endovascular Embolization and Tumor Embolotherapy. <i>Small</i> , 2020, 16, e1903421.	10.0	84
8	A highly conductive and stretchable wearable liquid metal electronic skin for long-term conformable health monitoring. <i>Science China Technological Sciences</i> , 2018, 61, 1031-1037.	4.0	78
9	Soft Robotics: Liquid Metal Based Soft Robotics: Materials, Designs, and Applications (Adv. Mater.)	10.784314	73/Overlo
10	Liquid Metal Microparticles Phase Change Medicated Mechanical Destruction for Enhanced Tumor Cryoablation and Dual-Mode Imaging. <i>Advanced Functional Materials</i> , 2020, 30, 2003359.	14.9	69
11	A Liquid Gripper Based on Phase Transitional Metallic Ferrofluid. <i>Advanced Functional Materials</i> , 2021, 31, 2100274.	14.9	56
12	Endosomal escapable cryo-treatment-driven membrane-encapsulated Ga liquid-metal transformer to facilitate intracellular therapy. <i>Matter</i> , 2022, 5, 219-236.	10.0	33
13	Conformable liquid metal printed epidermal electronics for smart physiological monitoring and simulation treatment. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 034003.	2.6	31
14	Injectable Affinity and Remote Magnetothermal Effects of Bi-Based Alloy for Long-Term Bone Defect Repair and Analgesia. <i>Advanced Science</i> , 2021, 8, e2100719.	11.2	26
15	Nano-Biomedicine based on Liquid Metal Particles and Allied Materials. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2000086.	3.6	25
16	Semisolid Al-Ga composites fabricated at room temperature for hydrogen generation. <i>RSC Advances</i> , 2020, 10, 10076-10081.	3.6	21
17	Structural alignment guides oriented migration and differentiation of endogenous neural stem cells for neurogenesis in brain injury treatment. <i>Biomaterials</i> , 2022, 280, 121310.	11.4	20
18	NIR laser-responsive liquid metal-loaded polymeric hydrogels for controlled release of doxorubicin. <i>RSC Advances</i> , 2019, 9, 13026-13032.	3.6	18

#	ARTICLE	IF	CITATIONS
19	EGaIn Fiber Enabled Highly Flexible Supercapacitors. ACS Omega, 2021, 6, 24444-24449.	3.5	14
20	Liquid Metal Enabled Electrobiolgy: A New Frontier to Tackle Disease Challenges. Micromachines, 2018, 9, 360.	2.9	11
21	Endovascular Embolization: Injectable and Radiopaque Liquid Metal/Calcium Alginate Hydrogels for Endovascular Embolization and Tumor Embolotherapy (Small 2/2020). Small, 2020, 16, 2070011.	10.0	1
22	A Liquid Gripper Based on Phase Transitional Metallic Ferrofluid (Adv. Funct. Mater. 32/2021). Advanced Functional Materials, 2021, 31, 2170232.	14.9	0