

# Hongzhang Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,874  
citations

304743

22  
h-index

361022

35  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1267  
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid Metal Composites. <i>Matter</i> , 2020, 2, 1446-1480.	10.0	294
2	A Highly Stretchable Liquid Metal Polymer as Reversible Transitional Insulator and Conductor. <i>Advanced Materials</i> , 2019, 31, e1901337.	21.0	182
3	Magnetic Liquid Metal (Fe-GaIn) Based Multifunctional Electronics for Remote Self-Healing Materials, Degradable Electronics, and Thermal Transfer Printing. <i>Advanced Science</i> , 2019, 6, 1901478.	11.2	162
4	Semiliquid Metal (Ni-GaIn) Based Ultraconformable Electronic Tattoo. <i>Advanced Materials Technologies</i> , 2019, 4, 1900183.	5.8	113
5	One-Step Liquid Metal Transfer Printing: Toward Fabrication of Flexible Electronics on Wide Range of Substrates. <i>Advanced Materials Technologies</i> , 2018, 3, 1800265.	5.8	112
6	PLUS-M: a Porous Liquid-metal enabled Ubiquitous Soft Material. <i>Materials Horizons</i> , 2018, 5, 222-229.	12.2	105
7	Direct Writing and Repairable Paper Flexible Electronics Using Nickel Liquid Metal Ink. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800571.	3.7	101
8	Magnetic Liquid Metals Manipulated in the Three-Dimensional Free Space. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 8685-8692.	8.0	95
9	Semiliquid Metal Enabled Highly Conductive Wearable Electronics for Smart Fabrics. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 30019-30027.	8.0	65
10	Progress, Mechanisms and Applications of Liquid Metal Catalyst Systems. <i>Chemistry - A European Journal</i> , 2018, 24, 17616-17626.	3.3	62
11	A Liquid Gripper Based on Phase Transitional Metallic Ferrofluid. <i>Advanced Functional Materials</i> , 2021, 31, 2100274.	14.9	56
12	Generalized way to make temperature tunable conductor-insulator transition liquid metal composites in a diverse range. <i>Materials Horizons</i> , 2019, 6, 1854-1861.	12.2	52
13	Phase transition science and engineering of gallium-based liquid metal. <i>Matter</i> , 2022, 5, 2054-2085.	10.0	49
14	Large-Magnitude Transformable Liquid-Metal Composites. <i>ACS Omega</i> , 2019, 4, 2311-2319.	3.5	41
15	Liquid Metal Fibers. <i>Advanced Fiber Materials</i> , 2022, 4, 987-1004.	16.1	38
16	Liquid Metal Transformable Machines. <i>Accounts of Materials Research</i> , 2021, 2, 1227-1238.	11.7	33
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Discoloration Effect and One-Step Synthesis of Hydrogen Tungsten and Molybdenum Bronze ( $\text{H}_x\text{WO}_3$ ) using Liquid Metal at Room Temperature. ACS Omega, 2019, 4, 7428-7435.	3.5	28
20	Low-Temperature Triggered Shape Transformation of Liquid Metal Microdroplets. ACS Applied Materials & Interfaces, 2020, 12, 38386-38396.	8.0	28
21	Injectable Affinity and Remote Magnetothermal Effects of Bi-Based Alloy for Long-Term Bone Defect Repair and Analgesia. Advanced Science, 2021, 8, e2100719.	11.2	26
22	Nano-Biomedicine based on Liquid Metal Particles and Allied Materials. Advanced NanoBiomed Research, 2021, 1, 2000086.	3.6	25
23	Stretchable electronics based on Nano-Fe Galn amalgams for smart flexible pneumatic actuator. Smart Materials and Structures, 2018, 27, 085022.	3.5	23
24	Injectable Liquid Metal- and Methotrexate-Loaded Microsphere for Cancer Chemophotothermal Synergistic Therapy. ACS Applied Bio Materials, 2020, 3, 3553-3559.	4.6	22
25	NIR laser-responsive liquid metal-loaded polymeric hydrogels for controlled release of doxorubicin. RSC Advances, 2019, 9, 13026-13032.	3.6	18
26	Al-assisted high frequency self-powered oscillations of liquid metal droplets. Soft Matter, 2019, 15, 8971-8975.	2.7	17
27	Electrically Induced Wire-Forming 3D Printing Technology of Gallium-Based Low Melting Point Metals. Advanced Materials Technologies, 2021, 6, 2100228.	5.8	12
28	Gas eruption phenomenon happening from Ga-In alloy in NaOH electrolyte. Applied Physics Letters, 2017, 111, .	3.3	10
29	Spray printing and encapsulated liquid metal as a highly reflective metallic paint for packing products. Science China Technological Sciences, 2019, 62, 1577-1584.	4.0	7
30	Recent Development of Liquid Metal-Based Functional Materials Combined with Common Transition Metals. Advanced Materials Interfaces, 2021, 8, 2100884.	3.7	7
31	Mechanism of the Dimethylammonium Cation in Hybrid Perovskites for Enhanced Performance and Stability of Printable Perovskite Solar Cells. Solar Rrl, 2022, 6, 2100923.	5.8	6
32	Responsive Liquid Metal Droplets: From Bulk to Nano. Nanomaterials, 2022, 12, 1289.	4.1	6
33	E-BiInSn Enhanced Rigidity Alterable Artificial Bandage. , 2018, 2018, 2873-2876.		3
34	Frontispiece: Progress, Mechanisms and Applications of Liquid-Metal Catalyst Systems. Chemistry - A European Journal, 2018, 24, .	3.3	0
35	A Liquid Gripper Based on Phase Transitional Metallic Ferrofluid (Adv. Funct. Mater. 32/2021). Advanced Functional Materials, 2021, 31, 2170232.	14.9	0