Xu-Yang Sun

List of Publications by Year
in descending order

44 papers	2,736 citations	236925 25 h-index	254184 43 g-index
45 all docs	45 docs citations	45 times ranked	2538 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.	10.0	33
2	Stiffness tunable implanted electrode enabled by magnetic liquid metal for wireless hyperthermia. Applied Materials Today, 2022, 27, 101495.	4.3	10
3	Phase transition science and engineering of gallium-based liquid metal. Matter, 2022, 5, 2054-2085.	10.0	49
4	Nanoâ€Biomedicine based on Liquid Metal Particles and Allied Materials. Advanced NanoBiomed Research, 2021, 1, 2000086.	3.6	25
5	MAP2 is differentially phosphorylated in schizophrenia, altering its function. Molecular Psychiatry, 2021, 26, 5371-5388.	7.9	13
6	Cellulose Nanocrystals Facilitate Needle-like Ice Crystal Growth and Modulate Molecular Targeted Ice Crystal Nucleation. Nano Letters, 2021, 21, 4868-4877.	9.1	9
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.	0.6	2
8	EGaIn Fiber Enabled Highly Flexible Supercapacitors. ACS Omega, 2021, 6, 24444-24449.	3.5	14
9	Liquid Metal Transformable Machines. Accounts of Materials Research, 2021, 2, 1227-1238.	11.7	33
10	Liquid Metal Enabled Flexible Sensors for Biomedical Applications. , 2021, , .		0
11	Flexible Wearables for Plants. Small, 2021, 17, e2104482.	10.0	34
12	Flexible Wearables for Plants (Small 50/2021). Small, 2021, 17, .	10.0	0
13	Flow-induced vibrations of a pitching and plunging airfoil. Journal of Fluid Mechanics, 2020, 885, .	3.4	15
14	Injectable and Radiopaque Liquid Metal/Calcium Alginate Hydrogels for Endovascular Embolization and Tumor Embolotherapy. Small, 2020, 16, e1903421.	10.0	84
15	Liquid Metal Microparticles Phase Change Medicated Mechanical Destruction for Enhanced Tumor Cryoablation and Dualâ€Mode Imaging. Advanced Functional Materials, 2020, 30, 2003359.	14.9	69
16	Low-Temperature Triggered Shape Transformation of Liquid Metal Microdroplets. ACS Applied Materials & Interfaces, 2020, 12, 38386-38396.	8.0	28
17	Injectable Liquid Metal- and Methotrexate-Loaded Microsphere for Cancer Chemophotothermal Synergistic Therapy. ACS Applied Bio Materials, 2020, 3, 3553-3559.	4.6	22
18	Liquid metal enabled injectable biomedical technologies and applications. Applied Materials Today, 2020, 20, 100722.	4.3	49

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19	Liquid metalâ€“enabled cybernetic electronics. Materials Today Physics, 2020, 14, 100245.	6.0	29
20	Cuâ€“EGaIn enabled stretchable e-skin for interactive electronics and CT assistant localization. Materials Horizons, 2020, 7, 1845-1853.	12.2	62
21	Lightweight Liquid Metal Entity. Advanced Functional Materials, 2020, 30, 1910709.	14.9	51
22	Advances in Liquid Metal-Enabled Flexible and Wearable Sensors. Micromachines, 2020, 11, 200.	2.9	78
23	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
24	Cryoablation-activated enhanced nanodoxorubicin release for the therapy of chemoresistant mammary cancer stem-like cells. Journal of Materials Chemistry B, 2020, 8, 908-918.	5.8	11
25	Lightweight Liquid Metal Entities: Lightweight Liquid Metal Entity (Adv. Funct. Mater. 14/2020). Advanced Functional Materials, 2020, 30, 2070092.	14.9	1
26	Liquidâ€Metalâ€Enhanced Wire Mesh as a Stiffness Variable Material for Making Soft Robotics. Advanced Engineering Materials, 2019, 21, 1900530.	3.5	14
27	Semiliquid Metal Enabled Highly Conductive Wearable Electronics for Smart Fabrics. ACS Applied Materials & Interfaces, 2019, 11, 30019-30027.	8.0	65
28	Liquidâ€Metalâ€Enhanced Wire Mesh as a Stiffness Variable Material for Making Soft Robotics. Advanced Engineering Materials, 2019, 21, 1970033.	3.5	9
29	Printed Conformable Liquid Metal eâ€Skinâ€Enabled Spatiotemporally Controlled Bioelectromagnetics for Wireless Multisite Tumor Therapy. Advanced Functional Materials, 2019, 29, 1907063.	14.9	107
30	Magnetic Liquid Metal (Feâ€EGaIn) Based Multifunctional Electronics for Remote Selfâ€Healing Materials, Degradable Electronics, and Thermal Transfer Printing. Advanced Science, 2019, 6, 1901478.	11.2	162
31	Shape tunable gallium nanorods mediated tumor enhanced ablation through near-infrared photothermal therapy. Nanoscale, 2019, 11, 2655-2667.	5.6	112
32	Semiâ€Liquidâ€Metalâ€(Niâ€EGaIn)â€Based Ultraconformable Electronic Tattoo. Advanced Materials Technologies, 2019, 4, 1900183.	5.8	113
33	Generalized way to make temperature tunable conductorâ€“insulator transition liquid metal composites in a diverse range. Materials Horizons, 2019, 6, 1854-1861.	12.2	52
34	NIR laser-responsive liquid metal-loaded polymeric hydrogels for controlled release of doxorubicin. RSC Advances, 2019, 9, 13026-13032.	3.6	18
35	Semi-liquid metal and adhesion-selection enabled rolling and transfer (SMART) printing: A general method towards fast fabrication of flexible electronics. Science China Materials, 2019, 62, 982-994.	6.3	68
36	A Highly Stretchable Liquid Metal Polymer as Reversible Transitional Insulator and Conductor. Advanced Materials, 2019, 31, e1901337.	21.0	182

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37	Liquid metal bath as conformable soft electrodes for target tissue ablation in radio-frequency ablation therapy. Minimally Invasive Therapy and Allied Technologies, 2018, 27, 233-241.	1.2	13
38	Amorphous liquid metal electrodes enabled conformable electrochemical therapy of tumors. Biomaterials, 2017, 146, 156-167.	11.4	97
39	Harpagoside ameliorates the amyloid-Î²-induced cognitive impairment in rats via up-regulating BDNF expression and MAPK/PI3K pathways. Neuroscience, 2015, 303, 103-114.	2.3	35
40	Phase III study of vinflunine versus docetaxel in patients (pts) with advanced non-small cell lung cancer (NSCLC) previously treated with a platinum-containing regimen. Journal of Clinical Oncology, 2007, 25, 7511-7511.	1.6	32
41	Attenuation of doxorubicin chronic toxicity in metallothionein-overexpressing transgenic mouse heart. Cancer Research, 2001, 61, 3382-7.	0.9	101
42	Conditional inactivation of Fgf4 reveals complexity of signalling during limb bud development. Nature Genetics, 2000, 25, 83-86.	21.4	263
43	Targeted disruption of Fgf8 causes failure of cell migration in the gastrulating mouse embryo. Genes and Development, 1999, 13, 1834-1846.	5.9	559
44	Selective transcriptional augmentation of hepatic gene expression in the rat with Heymann nephritis. American Journal of Physiology - Renal Physiology, 1993, 264, F441-F447.	2.7	8