

Xu-Yang Sun

List of Publications by Year in descending order

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Version: 2024-02-01

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	Targeted disruption of Fgf8 causes failure of cell migration in the gastrulating mouse embryo. <i>Genes and Development</i> , 1999, 13, 1834-1846.	5.9	559
2	Conditional inactivation of Fgf4 reveals complexity of signalling during limb bud development. <i>Nature Genetics</i> , 2000, 25, 83-86.	21.4	263
3	A Highly Stretchable Liquid Metal Polymer as Reversible Transitional Insulator and Conductor. <i>Advanced Materials</i> , 2019, 31, e1901337.	21.0	182
4	Magnetic Liquid Metal (Fe@EGaIn) Based Multifunctional Electronics for Remote Self-Healing Materials, Degradable Electronics, and Thermal Transfer Printing. <i>Advanced Science</i> , 2019, 6, 1901478.	11.2	162
5	Semi-Liquid Metal (Ni@EGaIn) Based Ultraconformable Electronic Tattoo. <i>Advanced Materials Technologies</i> , 2019, 4, 1900183.	5.8	113
6	Shape tunable gallium nanorods mediated tumor enhanced ablation through near-infrared photothermal therapy. <i>Nanoscale</i> , 2019, 11, 2655-2667.	5.6	112
7	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
8	Attenuation of doxorubicin chronic toxicity in metallothionein-overexpressing transgenic mouse heart. <i>Cancer Research</i> , 2001, 61, 3382-7.	0.9	101
9	Amorphous liquid metal electrodes enabled conformable electrochemical therapy of tumors. <i>Biomaterials</i> , 2017, 146, 156-167.	11.4	97
10	Injectable and Radiopaque Liquid Metal/Calcium Alginate Hydrogels for Endovascular Embolization and Tumor Embolotherapy. <i>Small</i> , 2020, 16, e1903421.	10.0	84
11	Advances in Liquid Metal-Enabled Flexible and Wearable Sensors. <i>Micromachines</i> , 2020, 11, 200.	2.9	78
12	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
13	Semi-liquid metal and adhesion-selection enabled rolling and transfer (SMART) printing: A general method towards fast fabrication of flexible electronics. <i>Science China Materials</i> , 2019, 62, 982-994.	6.3	68
14	Semiliquid Metal Enabled Highly Conductive Wearable Electronics for Smart Fabrics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30019-30027.	8.0	65
15	Cu@EGaIn enabled stretchable e-skin for interactive electronics and CT assistant localization. <i>Materials Horizons</i> , 2020, 7, 1845-1853.	12.2	62
16	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
17	Lightweight Liquid Metal Entity. <i>Advanced Functional Materials</i> , 2020, 30, 1910709.	14.9	51
18	Liquid metal enabled injectable biomedical technologies and applications. <i>Applied Materials Today</i> , 2020, 20, 100722.	4.3	49

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19	Phase transition science and engineering of gallium-based liquid metal. <i>Matter</i> , 2022, 5, 2054-2085.	10.0	49
20	Harpagoside ameliorates the amyloid- β -induced cognitive impairment in rats via up-regulating BDNF expression and MAPK/PI3K pathways. <i>Neuroscience</i> , 2015, 303, 103-114.	2.3	35
21	Flexible Wearables for Plants. <i>Small</i> , 2021, 17, e2104482.	10.0	34
22	Liquid Metal Transformable Machines. <i>Accounts of Materials Research</i> , 2021, 2, 1227-1238.	11.7	33
23	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
24	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. <i>Journal of Clinical Oncology</i> , 2007, 25, 7511-7511.	1.6	32
25	Liquid metal-enabled cybernetic electronics. <i>Materials Today Physics</i> , 2020, 14, 100245.	6.0	29
26	Low-Temperature Triggered Shape Transformation of Liquid Metal Microdroplets. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38386-38396.	8.0	28
27	Nano-Biomedicine based on Liquid Metal Particles and Allied Materials. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2000086.	3.6	25
28	Injectable Liquid Metal- and Methotrexate-Loaded Microsphere for Cancer Chemophotothermal Synergistic Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 3553-3559.	4.6	22
29	NIR laser-responsive liquid metal-loaded polymeric hydrogels for controlled release of doxorubicin. <i>RSC Advances</i> , 2019, 9, 13026-13032.	3.6	18
30	Flow-induced vibrations of a pitching and plunging airfoil. <i>Journal of Fluid Mechanics</i> , 2020, 885, .	3.4	15
31	Liquid-Metal-Enhanced Wire Mesh as a Stiffness Variable Material for Making Soft Robotics. <i>Advanced Engineering Materials</i> , 2019, 21, 1900530.	3.5	14
32	EGaIn Fiber Enabled Highly Flexible Supercapacitors. <i>ACS Omega</i> , 2021, 6, 24444-24449.	3.5	14
33	Liquid metal bath as conformable soft electrodes for target tissue ablation in radio-frequency ablation therapy. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2018, 27, 233-241.	1.2	13
34	MAP2 is differentially phosphorylated in schizophrenia, altering its function. <i>Molecular Psychiatry</i> , 2021, 26, 5371-5388.	7.9	13
35	Cryoablation-activated enhanced nanodoxorubicin release for the therapy of chemoresistant mammary cancer stem-like cells. <i>Journal of Materials Chemistry B</i> , 2020, 8, 908-918.	5.8	11
36	Stiffness tunable implanted electrode enabled by magnetic liquid metal for wireless hyperthermia. <i>Applied Materials Today</i> , 2022, 27, 101495.	4.3	10

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37	Liquidâ€Metalâ€Enhanced Wire Mesh as a Stiffness Variable Material for Making Soft Robotics. <i>Advanced Engineering Materials</i> , 2019, 21, 1970033.	3.5	9
38	Cellulose Nanocrystals Facilitate Needle-like Ice Crystal Growth and Modulate Molecular Targeted Ice Crystal Nucleation. <i>Nano Letters</i> , 2021, 21, 4868-4877.	9.1	9
39	Selective transcriptional augmentation of hepatic gene expression in the rat with Heymann nephritis. <i>American Journal of Physiology - Renal Physiology</i> , 1993, 264, F441-F447.	2.7	8
40	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.	0.6	2
41	Endovascular Embolization: Injectable and Radiopaque Liquid Metal/Calcium Alginate Hydrogels for Endovascular Embolization and Tumor Embolotherapy (<i>Small</i> 2/2020). <i>Small</i> , 2020, 16, 2070011.	10.0	1
42	Lightweight Liquid Metal Entities: Lightweight Liquid Metal Entity (<i>Adv. Funct. Mater.</i> 14/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070092.	14.9	1
43	Liquid Metal Enabled Flexible Sensors for Biomedical Applications. , 2021, , .		0
44	Flexible Wearables for Plants (<i>Small</i> 50/2021). <i>Small</i> , 2021, 17, .	10.0	0