

# Yuan Liu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31  
papers

358  
citations

11  
h-index

18  
g-index

31  
ext. papers

461  
ext. citations

4.2  
avg, IF

3.76  
L-index

#	Paper	IF	Citations
31	Fabrication and compressive behavior of open-cell aluminum foams via infiltration casting using spherical CaCl <sub>2</sub> space-holders. <i>China Foundry</i> , <b>2022</b> , 19, 89-98	0.8	0
30	Tailoring magnetostriction and magnetic domains of $\gamma$ -oriented Fe <sub>80</sub> Ga <sub>16</sub> Al <sub>4</sub> alloy by magnetic field annealing. <i>Rare Metals</i> , <b>2021</b> , 40, 563-569	5.5	0
29	Compressive and Corrosion Properties of Lotus-Type Porous Mg-Mn Alloys Fabricated by Unidirectional Solidification. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2020</b> , 51, 3238-3247	2.3	4
28	Morphology-controlled Tantalum Diselenide Structures as Self-optimizing Hydrogen Evolution Catalysts. <i>Energy and Environmental Materials</i> , <b>2020</b> , 3, 12-18	13	7
27	Pore structure analysis of directionally solidified porous copper. <i>China Foundry</i> , <b>2020</b> , 17, 325-331	0.8	0
26	Properties of fiber reinforced plaster molds for investment casting. <i>China Foundry</i> , <b>2020</b> , 17, 332-340	0.8	0
25	Effect of Dy doping on magnetostrictive and mechanical properties of Fe <sub>83</sub> Ga <sub>17</sub> alloy. <i>China Foundry</i> , <b>2020</b> , 17, 198-205	0.8	1
24	Composition Modulation and Structure Design of Inorganic-in-Polymer Composite Solid Electrolytes for Advanced Lithium Batteries. <i>Small</i> , <b>2020</b> , 16, e1902813	11	44
23	Effects of alloying elements on thermal conductivity of pearlitic gray cast iron. <i>Journal of Iron and Steel Research International</i> , <b>2019</b> , 26, 1022-1030	1.2	3
22	Effects of Mo and Ni on the thermal conductivity of compacted graphite iron at elevated temperature. <i>International Journal of Cast Metals Research</i> , <b>2019</b> , 32, 243-251	1	3
21	Ultrafine MoO <sub>3</sub> nanoparticles embedded in porous carbon nanofibers as anodes for high-performance lithium-ion batteries. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 120-126	7.8	18
20	Phase-separation-driven formation of Nickel-Cobalt oxide nanotubes as high-capacity anode materials for lithium-ion batteries. <i>Materials Research Letters</i> , <b>2019</b> , 7, 368-375	7.4	3
19	Inclusions in melting process of titanium and titanium alloys. <i>China Foundry</i> , <b>2019</b> , 16, 223-231	0.8	7
18	Nanoarchitected Co <sub>3</sub> O <sub>4</sub> /reduced graphene oxide as anode material for lithium-ion batteries with enhanced cycling stability. <i>Ionics</i> , <b>2019</b> , 25, 5779-5786	2.7	11
17	Effect of static mechanical load on intergranular stress-corrosion cracking of 7050-T7451 C-Ring specimens. <i>Corrosion Engineering Science and Technology</i> , <b>2019</b> , 54, 122-130	1.7	2
16	In situ synthesized SnSe nanorods in a SnO <sub>x</sub> @CNF membrane toward high-performance freestanding and binder-free lithium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 932-938	6.8	24
15	Electrochemically tuned cobalt hydroxide carbonate with abundant grain boundaries for highly efficient electro-oxidation of hydrazine. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 369-375	7.8	7

14	Hierarchical nano-on-micro copper with enhanced catalytic activity towards electro-oxidation of hydrazine. <i>Frontiers of Materials Science</i> , <b>2018</b> , 12, 45-52	2.5	3
13	Crystalline–amorphous Co@CoO core–shell heterostructures for efficient electro-oxidation of hydrazine. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 96-101	7.8	20
12	Tunable pseudocapacitive contribution in nanosheet-constructed titania hierarchical tubes to achieve superior lithium-storage properties by phase control. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 24298-24310	13	19
11	Effects of alloy elements on ductility and thermal conductivity of compacted graphite iron. <i>China Foundry</i> , <b>2018</b> , 15, 189-195	0.8	5
10	Preparation and Compressive Performance of an A356 Matrix Syntactic Foam. <i>Materials Transactions</i> , <b>2018</b> , 59, 699-705	1.3	7
9	Self-Reconstructed Formation of a One-Dimensional Hierarchical Porous Nanostructure Assembled by Ultrathin TiO Nanobelts for Fast and Stable Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 19047-19058	9.5	25
8	Phase-separation induced hollow/porous carbon nanofibers containing in situ generated ultrafine SnOx as anode materials for lithium-ion batteries. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 1331-1337	7.8	22
7	Influence of repetitious non-isothermal aging on microstructure and strength of Al-Zn-Mg-Cu alloy. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 689, 632-640	5.7	30
6	Effects of carbon content on high-temperature mechanical and thermal fatigue properties of high-boron austenitic steels. <i>China Foundry</i> , <b>2016</b> , 13, 1-8	0.8	9
5	Bubble Formation at a Submerged Orifice in High-Speed Horizontal Oscillation. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2016</b> , 47, 3362-3374	2.5	12
4	The effects of non-isothermal aging on the strength and corrosion behavior of Al Zn Mg Cu alloy. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 681, 57-65	5.7	55
3	Fabrication, magnetostriction properties and applications of Tb-Dy-Fe alloys: a review. <i>China Foundry</i> , <b>2016</b> , 13, 75-84	0.8	17
2	Fabrication of Gasar made from Cu-24 wt.% Mn alloy. <i>International Journal of Materials Research</i> , <b>2014</b> , 105, 450-454	0.5	
1	Influence of the solidification temperature range on Gasar structures made from CuMn alloys. <i>International Journal of Materials Research</i> , <b>2014</b> , 105, 869-874	0.5	