

# Yuan Liu

## List of Publications by Citations

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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 | 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        |
| 30 | 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        |
| 29 | 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        |
| 28 | 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        |
| 27 | In situ synthesized SnSe nanorods in a SnOx@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        |
| 26 | 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        |
| 25 | Crystalline-morphous 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        |
| 24 | 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        |
| 23 | Ultrafine MoO3 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        |
| 22 | 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        |
| 21 | 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        |
| 20 | Nanoarchitected Co3O4/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        |
| 19 | 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         |
| 18 | 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         |
| 17 | Inclusions in melting process of titanium and titanium alloys. <i>China Foundry</i> , <b>2019</b> , 16, 223-231   | 0.8 | 7         |
| 16 | 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         |
| 15 | Preparation and Compressive Performance of an A356 Matrix Syntactic Foam. <i>Materials Transactions</i> , <b>2018</b> , 59, 699-705   | 1.3 | 7         |

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|----|--|-----|---|
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | 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 |
| 10 | Phase-separation-driven formation of NickelCobalt 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 |
| 9  | 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 |
| 8  | 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 |
| 7  | 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 |
| 6  | Properties of fiber reinforced plaster molds for investment casting. <i>China Foundry</i> , <b>2020</b> , 17, 332-340  | 0.8 | 0 |
| 5  | 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 |
| 4  | 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 |   |
| 3  | 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 |   |
| 2  | Pore structure analysis of directionally solidified porous copper. <i>China Foundry</i> , <b>2020</b> , 17, 325-331  | 0.8 |   |
| 1  | 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 |   |