

# Jinsong Rao

## List of Publications by Year in descending order

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17  
papers

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citations

840776

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times ranked

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citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | A route for large-scale preparation of multifunctional superhydrophobic coating with electrochemically-modified kaolin for efficient corrosion protection of magnesium alloys. <i>Journal of Magnesium and Alloys</i> , 2022, 10, 3082-3099.   | 11.9 | 13        |
| 2  | Developing polydopamine modified molybdenum disulfide/epoxy resin powder coatings with enhanced anticorrosion performance and wear resistance on magnesium lithium alloys. <i>Journal of Magnesium and Alloys</i> , 2022, 10, 2534-2545.   | 11.9 | 14        |
| 3  | Atomic scale modulation strategies and crystal phase transition of flower-like CoAl layered double hydroxides for supercapacitors. <i>CrystEngComm</i> , 2022, 24, 2081-2088.  | 2.6  | 85        |
| 4  | The deformation modes and transferability during low-cycle fatigue of Mg and Mg-3Y alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 839, 142838.   | 5.6  | 14        |
| 5  | Quantitative analysis of the deformation modes and cracking modes during low-cycle fatigue of a rolled AZ31B magnesium alloy: The influence of texture. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 844, 143103. | 5.6  | 18        |
| 6  | Anisotropic cyclic deformation behavior of an extruded Mg-3Y alloy sheet with rare earth texture. <i>Journal of Magnesium and Alloys</i> , 2022, 10, 1581-1597.  | 11.9 | 19        |
| 7  | Montmorillonite-Based Two-Dimensional Nanocomposites: Preparation and Applications. <i>Molecules</i> , 2021, 26, 2521.   | 3.8  | 22        |
| 8  | A multidimensional rational design of nickel-iron sulfide and carbon nanotubes on diatomite via synergistic modulation strategy for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 799-809.   | 9.4  | 138       |
| 9  | Mirror-like Bright Al-Mn Coatings Electrodeposition from 1-Ethyl-3 Methylimidazolium Chloride-AlCl <sub>3</sub> -MnCl <sub>2</sub> Ionic Liquids with Pyridine Derivatives. <i>Materials</i> , 2021, 14, 6226.   | 2.9  | 4         |
| 10 | Active Corrosion Protection of Mg-Al Layered Double Hydroxide for Magnesium Alloys: A Short Review. <i>Coatings</i> , 2021, 11, 1316.  | 2.6  | 14        |
| 11 | Effects of Additives Containing Cyanopyridine on Electrodeposition of Bright Al Coatings from AlCl <sub>3</sub> -EMIC Ionic Liquids. <i>Coatings</i> , 2021, 11, 1396.   | 2.6  | 3         |
| 12 | 2D-3D graphene-coated diatomite as a support toward growing ZnO for advanced photocatalytic degradation of methylene blue. <i>RSC Advances</i> , 2021, 11, 38505-38514.  | 3.6  | 19        |
| 13 | TripleBrain: An Edge Neuromorphic Architecture for High-accuracy Single-layer Spiking Neural Network with On-chip Self-organizing and Reinforcement Learning. , 2021, , .  |      | 1         |
| 14 | Quasi-in-situ analysis of dependency of deformation mechanism and work-hardening behavior on texture in Mg-2Zn-0.1Ca alloy. <i>Journal of Alloys and Compounds</i> , 2019, 784, 1187-1197.   | 5.5  | 31        |
| 15 | Effect of Bi on Microstructure and Mechanical Properties of Extruded AZ80-2Sn Magnesium Alloy. <i>High Temperature Materials and Processes</i> , 2018, 37, 97-103.   | 1.4  | 3         |
| 16 | A facile green synthesis of Sm <sub>2</sub> O <sub>3</sub> nanoparticles via microwave-assisted urea precipitation route and their optical properties. <i>Electronic Materials Letters</i> , 2017, 13, 255-259.  | 2.2  | 10        |
| 17 | Oxidation and ignition behavior of a magnesium alloy containing rare earth elements. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 51, 225-231.  | 3.0  | 14        |