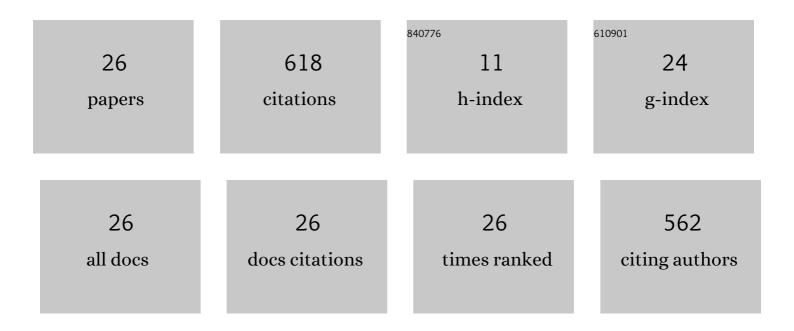
Zhengyuan Gao

List of Publications by Year in descending order

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ZHENCYLLAN CAO

#	Article	IF	CITATIONS
1	Enhancing mechanical properties of Mg–Sn alloys by combining addition of Ca and Zn. Materials and Design, 2015, 83, 736-744.	7.0	118
2	Thermal and electrical conductivity of binary magnesium alloys. Journal of Materials Science, 2014, 49, 3107-3124.	3.7	114
3	Numerical investigation on integrated thermal management for a lithium-ion battery module with a composite phase change material and liquid cooling. Applied Thermal Engineering, 2019, 163, 114345.	6.0	98
4	High strength and superior ductility of an ultra-fine grained magnesium–manganese alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 648, 202-207.	5.6	85
5	Effect of high content of manganese on microstructure, texture and mechanical properties of magnesium alloy. Materials Characterization, 2018, 136, 310-317.	4.4	46
6	Rotating Machine Fault Diagnosis Based on Locality Preserving Projection and Back Propagation Neural Network–Support Vector Machine Model. Measurement and Control, 2015, 48, 211-216.	1.8	21
7	Thermal performance of thermal management system coupling composite phase change material to water cooling with double s-shaped micro-channels for prismatic lithium-ion battery. Journal of Energy Storage, 2022, 45, 103490.	8.1	21
8	Effect of aluminium on the microstructure and mechanical properties of as-cast magnesium–manganese alloys. Materials Science and Technology, 2017, 33, 2086-2096.	1.6	14
9	Rotating Machine Fault Diagnosis Based on Optimal Morphological Filter and Local Tangent Space Alignment. Shock and Vibration, 2015, 2015, 1-9.	0.6	13
10	Microstructure and Deformation Mechanism of AZ31 Magnesium Alloy Under Dynamic Strain Rate. Journal of Materials Engineering and Performance, 2018, 27, 6189-6195.	2.5	13
11	Synthesis of γ-Al2O3–supported Pt nanoparticles using Al-based metal-organic framework as medium and their catalytic performance for total propene oxidation and selective nitrobenzene hydrogenation. Materials Chemistry and Physics, 2020, 240, 122146.	4.0	13
12	Effect of Cu/Zn on microstructure and mechanical properties of extruded Mg–Sn alloys. Materials Science and Technology, 2016, 32, 1240-1248.	1.6	11
13	Enhancing Thermal Conductivity of Mg-Sn Alloy Sheet by Cold Rolling and Aging. Journal of Materials Engineering and Performance, 2016, 25, 2356-2363.	2.5	8
14	Bearing degradation state recognition based on kernel PCA and wavelet kernel SVM. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2015, 229, 2827-2834.	2.1	7
15	Achieving High Strength and Good Ductility in As-Extruded Mg–Gd–Y–Zn Alloys by Ce Micro-Alloying. Materials, 2018, 11, 102.	2.9	7
16	Effect of heat treatment under vacuum on structure and visible-light photocatalytic activity of nano-TiO ₂ . RSC Advances, 2019, 9, 32691-32698.	3.6	6
17	The Corrosion Resistance of Al Film on AZ31 Magnesium Alloys by Magnetron Sputtering. Metals, 2021, 11, 1522.	2.3	6
18	Effects of Process Parameters on the Thickness Uniformity in Two-Point Incremental Forming (TPIF) with a Positive Die for an Irregular Stepped Part. Materials, 2020, 13, 2634.	2.9	5

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#	Article	IF	CITATIONS
19	Effect of Titanium on Microstructure, Texture, and Mechanical Property of As-Extruded Mg—Sn Alloy. Frontiers in Materials, 2020, 7, .	2.4	3
20	A novel current-carrying lubrication in electric hot incremental forming of Ti–6Al–4V titanium sheet. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, 1.	1.6	3
21	Study on Corrosion Resistance of AZ31 Magnesium Alloy Coated with Graphene Modified Epoxy and Polyurethane Coatings. International Journal of Electrochemical Science, 2021, 16, 211038.	1.3	2
22	Saccharum Officinarum Leaf Extract as Corrosion Inhibitor of Copper Corrosion in Sulphuric Acid Solution: Experiments and Theoretical Calculations. International Journal of Electrochemical Science, 2021, 16, 211126.	1.3	2
23	Introducing HfO2 nanoparticles into Bi-Se-Te matrix by cryogenic ball milling for enhanced thermoelectric figure of merit. Ceramics International, 2018, 44, 20586-20590.	4.8	1
24	Microstructural characterization of dynamic recrystallization in hot deformed LDX2101. International Journal of Materials Research, 2018, 109, 485-493.	0.3	1
25	The Corrosion Resistance of Graphene-Modified Oily Epoxy Coating on AZ31 Magnesium Alloys. Frontiers in Materials, 2021, 8, .	2.4	Ο
26	Numerical Investigation on Vibration Performance of an Improved Switched Reluctance Machine with Double Auxiliary Slots. Shock and Vibration, 2021, 2021, 1-14.	0.6	0