

# Yuhang Guo

## List of Publications by Year in descending order

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20  
papers

1,006  
citations

758635

12  
h-index

752256

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

992  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure, high-temperature oxidation and molten salt corrosion behaviour of CoCrFeNiAl <sub>0.1</sub> -RE HEA. <i>Materials Science and Technology</i> , 2022, 38, 215-229.	0.8	3
2	Microstructure, Hot Deformation Behavior, and Textural Evolution of Mg-3Sn-2Al-1Zn-0.6Nd Alloy. <i>Metals</i> , 2022, 12, 364.	1.0	2
3	Development of a porous iron-based magnetic absorber with enhanced electromagnetic absorption performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 6799-6809.	1.1	1
4	Microstructure and Wear Resistance of Multi-Layer Ni-Based Alloy Cladding Coating on 316L SS under Different Laser Power. <i>Materials</i> , 2021, 14, 781.	1.3	14
5	Excellent high-temperature piezoelectric energy harvesting properties in flexible polyimide/3D PbTiO <sub>3</sub> flower composites. <i>Nano Energy</i> , 2021, 82, 105778.	8.2	29
6	Microstructure and Mechanical Properties of Nickel-Based Coatings Fabricated through Laser Additive Manufacturing. <i>Metals</i> , 2021, 11, 53.	1.0	6
7	Hot Deformation Behaviors of the Mg-3Sn-2Al-1Zn Alloy: Investigation on its Constitutive Equation, Processing Map, and Microstructure. <i>Materials</i> , 2020, 13, 312.	1.3	6
8	Characterization of Hot Deformation Behavior and Processing Maps of Mg-3Sn-2Al-1Zn-5Li Magnesium Alloy. <i>Metals</i> , 2019, 9, 1262.	1.0	13
9	Fabrication of MnO <sub>2</sub> @Fe rod-like composite with controllable weight ratios of Fe/MnO <sub>2</sub> and excellent wideband electromagnetic absorption performance. <i>Journal of Alloys and Compounds</i> , 2019, 773, 150-157.	2.8	22
10	Doping Strategy To Boost the Electromagnetic Wave Attenuation Ability of Hollow Carbon Spheres at Elevated Temperatures. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1539-1544.	3.2	59
11	Fabrication of porous disk-like Ni/NiO microwave absorber and its excellent broad frequency absorption performance. <i>Journal of Alloys and Compounds</i> , 2018, 731, 143-149.	2.8	15
12	Achieving the broader frequency electromagnetic absorber by development of magnetic core-shell composite with tunable shell/core sizes. <i>Applied Surface Science</i> , 2018, 434, 763-770.	3.1	13
13	Orientation Dependence of Elastic and Piezoelectric Properties in Rhombohedral BiFeO <sub>3</sub> . <i>Materials</i> , 2018, 11, 2441.	1.3	6
14	Facile synthesis of Ni <sub>x</sub> Co <sub>3-x</sub> S <sub>4</sub> hollow nanoprisms with broader electromagnetic absorption properties: Effect of Ni/Co atomic ratios. <i>Journal of Alloys and Compounds</i> , 2018, 767, 323-329.	2.8	14
15	Experimental Investigation on the Residual Stresses in a Thick Joint with a Partial Repair Weld Using Multiple-Cut Contour Method. <i>Materials</i> , 2018, 11, 633.	1.3	15
16	Interface Polarization Strategy to Solve Electromagnetic Wave Interference Issue. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5660-5668.	4.0	300
17	Facile synthesis of a Sn/SnO <sub>2</sub> @C ternary composite with superior broader frequency performance. <i>Journal of Alloys and Compounds</i> , 2017, 711, 184-189.	2.8	9
18	A brief introduction to the fabrication and synthesis of graphene based composites for the realization of electromagnetic absorbing materials. <i>Journal of Materials Chemistry C</i> , 2017, 5, 491-512.	2.7	305

#	ARTICLE	IF	CITATIONS
19	Fabrication of ZnO/Fe rod-like core-shell structure as high-performance microwave absorber. Journal of Alloys and Compounds, 2017, 694, 549-555.	2.8	25
20	Achieving tunable electromagnetic absorber via graphene/carbon sphere composites. Carbon, 2016, 110, 130-137.	5.4	149