

Jagadeesh Sure

List of Publications by Year in descending order

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29
papers

510
citations

686830

13
h-index

676716

22
g-index

30
all docs

30
docs citations

30
times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
1	Molten salt corrosion of high density graphite and partially stabilized zirconia coated high density graphite in molten LiCl-KCl salt. <i>Ceramics International</i> , 2012, 38, 2803-2812.	2.3	50
2	Direct electrochemical synthesis of high-entropy alloys from metal oxides. <i>Applied Materials Today</i> , 2017, 9, 111-121.	2.3	47
3	Facile Electrochemical Synthesis of Nanoscale (TiNbTaZrHf)C High-Entropy Carbide Powder. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11830-11835.	7.2	46
4	Electrochemical synthesis of porous Ti-Nb alloys for biomedical applications. <i>Materials Science and Engineering C</i> , 2019, 96, 466-478.	3.8	42
5	Corrosion behaviour of carbon materials exposed to molten lithium chloride-potassium chloride salt. <i>Carbon</i> , 2014, 67, 643-655.	5.4	36
6	Solid state electrochemically synthesised $\text{Ti}^2\text{-SiC}$ nanowires as the anode material in lithium ion batteries. <i>Energy Storage Materials</i> , 2020, 26, 234-241.	9.5	32
7	Electrochemical conversion of oxide spinels into high-entropy alloy. <i>Journal of Alloys and Compounds</i> , 2019, 776, 133-141.	2.8	29
8	Investigating corrosion behavior of Ni and Ni-20Cr in molten ZnCl ₂ . <i>Corrosion Science</i> , 2021, 179, 109105.	3.0	22
9	Surface modification of plasma sprayed Al ₂ O ₃ -40wt% TiO ₂ coatings by pulsed Nd:YAG laser melting. <i>Optics and Laser Technology</i> , 2013, 48, 366-374.	2.2	19
10	Microstructural characterization of plasma sprayed Al ₂ O ₃ -40wt.% TiO ₂ coatings on high density graphite with different post-treatments. <i>Surface and Coatings Technology</i> , 2012, 206, 4741-4749.	2.2	17
11	Effect of loading methods on the performance of hierarchical porous carbon/sulfur composites in lithium sulfur batteries. <i>Electrochimica Acta</i> , 2021, 388, 138650.	2.6	17
12	Microstructural characterization and chemical compatibility of pulsed laser deposited yttria coatings on high density graphite. <i>Thin Solid Films</i> , 2013, 544, 218-223.	0.8	16
13	Corrosion of high density graphite anodes during direct electrochemical de-oxidation of solid oxides in molten CaCl ₂ medium. <i>Carbon</i> , 2015, 93, 782-792.	5.4	16
14	Evaluation of plasma sprayed alumina-40wt% titania and partially stabilized zirconia coatings on high density graphite for uranium melting application. <i>Ceramics International</i> , 2014, 40, 6509-6523.	2.3	15
15	Facile Electrochemical Synthesis of Nanoscale (TiNbTaZrHf)C High-Entropy Carbide Powder. <i>Angewandte Chemie</i> , 2020, 132, 11928-11933.	1.6	15
16	Determining oxidation states of transition metals in molten salt corrosion using electron energy loss spectroscopy. <i>Scripta Materialia</i> , 2021, 197, 113790.	2.6	15
17	Nano-Fe ₃ O ₄ /Carbon Nanotubes Composites by One-Pot Microwave Solvothermal Method for Supercapacitor Applications. <i>Energies</i> , 2021, 14, 2908.	1.6	13
18	Preparation of Refractory High-Entropy Alloys by Electro-Deoxidation and the Effect of Heat Treatment on Microstructure and Hardness. <i>Jom</i> , 2020, 72, 3895-3905.	0.9	11

#	ARTICLE	IF	CITATIONS
19	Characterisation of pyrolytic graphite exposed to molten LiCl–KCl salt. Surface Engineering, 2013, 29, 28-33.	1.1	9
20	Molten Salt Electrochemical Synthesis, Heat Treatment and Microhardness of Ti–5Ta–2Nb Alloy. Materials Transactions, 2019, 60, 391-399.	0.4	9
21	Direct Electrochemical Preparation of Nanostructured Silicon Carbide and Its Nitridation Behavior. Journal of the Electrochemical Society, 2018, 165, D731-D742.	1.3	8
22	Phase Composition, Microstructure, Corrosion Resistance and Mechanical Properties of Molten Salt Electrochemically Synthesised Ti–Nb–Sn Biomedical Alloys. Materials Transactions, 2019, 60, 422-428.	0.4	8
23	Thermal-Cycling Behavior of Plasma-Sprayed Partially Stabilized Zirconia Coatings on High-Density Graphite Substrate. Journal of Thermal Spray Technology, 2015, 24, 925-937.	1.6	5
24	Facile and Scalable Electrochemical Synthesis of Ta-Nb Alloy Powders for Capacitors. Journal of the Electrochemical Society, 2020, 167, 022504.	1.3	4
25	Facile Electrochemical Preparation of Nano-sized Ultra-high-temperature Ta _x Hf _x C Ceramic Powders. Journal of the Electrochemical Society, 2022, 169, 062506.	1.3	4
26	Corrosion Behavior of Laser Melted Alumina–40wt% Titania Coated High Density Graphite in Molten Salt. Transactions of the Indian Institute of Metals, 2016, 69, 1633-1644.	0.7	3
27	Corrosion performance of electrochemically prepared Ti-5Ta-2Nb alloy in concentrated nitric acid. Materials Today Communications, 2021, 26, 101786.	0.9	1
28	Phase Analysis and Microstructure Correlation of Partially Stabilized Zirconia Coatings Exposed to Molten LiCl–KCl Salt. Journal of Advanced Microscopy Research, 2013, 8, 150-155.	0.3	1
29	Factors Controlling the Synthesis of Porous Ti-Based Biomedical Alloys by Electrochemical Deoxidation in Molten Salts. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 1590-1602.	1.0	0