Gokul Obulan Subramanian

List of Publications by Year
in descending order

20 papers	253 citations	1040056 9 h-index	940533 16 g-index
20 all docs	20 docs citations	20 times ranked	144 citing authors

#	Article	IF	Citations
1	Effect of pressure on the corrosion and carburization behavior of chromia-forming heat-resistant alloys in high-temperature carbon dioxide environments. Corrosion Science, 2016, 111, 649-658.	6.6	57
2	Corrosion and Carburization Behaviour of Ni-xCr Binary Alloys in a High-Temperature Supercritical-Carbon Dioxide Environment. Oxidation of Metals, 2018, 89, 683-697.	2.1	27
3	Development of alumina-forming duplex stainless steels as accident-tolerant fuel cladding materials for light water reactors. Journal of Nuclear Materials, 2018, 507, 1-14.	2.7	26
4	Evaluation of thermal aging of Î´-ferrite in austenitic stainless steel weld using nanopillar compression test. Scripta Materialia, 2018, 155, 32-36.	5.2	24
5	Surface modification of austenitic stainless steel for corrosion resistance in high temperature supercritical-carbon dioxide environment. Surface and Coatings Technology, 2018, 349, 415-425.	4.8	24
6	400â€Â°C aging embrittlement of FeCrAl alloys: Microstructure and fracture behavior. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 743, 159-167.	5.6	20
7	Effect of thermal ageing on the corrosion behaviour of austenitic stainless steel welds in the simulated PWR primary water. Corrosion Science, 2020, 172, 108730.	6.6	13
8	Evaluation of thermal ageing activation energy of Î´-ferrite in an austenitic stainless steel weld using nanopillar compression test. Scripta Materialia, 2020, 186, 236-241.	5.2	12
9	Evaluation of the thermal aging of Î´-ferrite in austenitic stainless steel welds by electrochemical analysis. Scientific Reports, 2018, 8, 15091.	3.3	11
10	Supercritical-CO2 corrosion behavior of alumina- and chromia-forming heat resistant alloys with Ti. Corrosion Science, 2021, 188, 109531.	6.6	9
11	Effect of surface conditions and alloying elements on the early oxidation behaviour of two austenitic alloys in the pure steam environment. Applied Surface Science, 2021, 563, 150314.	6.1	7
12	Corrosion and Carburization Behaviour of Ni-Cr-Mo-Nb Superalloys in a High Temperature Supercritical-CO2 Environment. Minerals, Metals and Materials Series, 2018, , 179-192.	0.4	6
13	Development of thermo-mechanical processing to form high density of uniformly distributed nanosized carbides in austenitic stainless steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 775, 138986.	5.6	6
14	The carburization behavior of alloy 800HT in high temperature supercritical-CO2. Materials Letters, 2021, 299, 130067.	2.6	5
15	Corrosion behaviour of alumina-forming heat resistant alloy with Ti in high temperature steam. Corrosion Science, 2021, , 110000.	6.6	2
16	Integrity of Alumina Catalytic Support Prepared by Anodization in a High Temperature Steam Environment. Metals and Materials International, 2019, 25, 324-332.	3.4	1
17	Electrochemical Characteristics of Delta Ferrite in Thermally Aged Austenitic Stainless Steel Weld. Minerals, Metals and Materials Series, 2019, , 1869-1877.	0.4	1
18	Electrochemical Characteristics of Delta Ferrite in Thermally Aged Austenitic Stainless Steel Weld. Minerals, Metals and Materials Series, 2018, , 653-661.	0.4	1

#	Article	IF	Citations
19	Effect of Ti Content on the Microstructure and High-Temperature Creep Property of Cast Fe-Ni-Based Alloys with High-Al Content. Materials, 2021, 14, 82.	2.9	1
20	Evaluation of Thermal Ageing Activation Energy of Î”-Ferrite in an Austenitic Stainless Steel Weld Using Nanopillar Compression Test. SSRN Electronic Journal, 0, , .	0.4	0