

G Sudhakar Rao

List of Publications by Year in descending order

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1040056

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243
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of surface nanostructure on tensile behavior of superalloy IN718. <i>Materials & Design</i> , 2014, 62, 76-82.	5.1	93
2	Dynamic strain ageing, deformation, and fracture behavior of modified 9Cr-1Mo steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 621, 39-51.	5.6	56
3	Effect of surface Nanostructuring on LCF behavior of aluminum alloy 2014. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 647, 201-211.	5.6	34
4	Low cycle fatigue behavior of Zircaloy-2 at room temperature. <i>Journal of Nuclear Materials</i> , 2013, 441, 455-467.	2.7	17
5	Effect of Salt Coatings on Low Cycle Fatigue Behavior of Nickel -base Superalloy GTM-SU-718. <i>Procedia Engineering</i> , 2013, 55, 830-834.	1.2	14
6	Ratcheting fatigue behavior of Zircaloy-2 at room temperature. <i>Journal of Nuclear Materials</i> , 2016, 477, 67-76.	2.7	14
7	Effect of dynamic strain ageing on environmental degradation of fracture resistance of low-alloy RPV steels in high-temperature water environments. <i>Corrosion Science</i> , 2019, 152, 172-189.	6.6	12
8	Disappearance and reappearance of serrated plastic flow under cyclic loading: A study of dislocation substructures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 603, 114-120.	5.6	11
9	Environmental degradation of fracture resistance in high-temperature water environments of low-alloy reactor pressure vessel steels with high sulphur or phosphorus contents. <i>Corrosion Science</i> , 2019, 154, 191-207.	6.6	11
10	Effect of hydrogen on tensile behavior of low alloy steel in the regime of dynamic strain ageing. <i>Procedia Structural Integrity</i> , 2016, 2, 3399-3406.	0.8	10
11	Inverse strain rate effect on cyclic stress response in annealed Zircaloy-2. <i>Journal of Nuclear Materials</i> , 2015, 457, 330-342.	2.7	8
12	Effect of Saline Environment on LCF Behavior of Inconel 718 at 550°C. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 338-344.	2.5	8
13	In vitro corrosion fatigue behavior of low nickel high nitrogen austenitic stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 538, 224-230.	5.6	6
14	Rosette fracture of modified 9Cr-1Mo steel in tension. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 683, 172-186.	5.6	6
15	Cyclic softening in annealed Zircaloy-2: Role of edge dislocation dipoles and vacancies. <i>Journal of Nuclear Materials</i> , 2018, 502, 154-160.	2.7	3
16	Fretting Fatigue and Wear Behaviour of Timetal 834. <i>Procedia Engineering</i> , 2013, 55, 661-665.	1.2	2
17	Effect of High-Temperature Water Environment on the Fracture Behaviour of Low-Alloy RPV Steels. <i>Minerals, Metals and Materials Series</i> , 2018, , 1077-1099.	0.4	1
18	Environmental Degradation Effect of High-Temperature Water and Hydrogen on the Fracture Behavior of Low-Alloy Reactor Pressure Vessel Steels. <i>Procedia Structural Integrity</i> , 2018, 13, 926-931.	0.8	0