

G Newaz

List of Publications by Year in descending order

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23
papers

712
citations

759233

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794594

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24
all docs

24
docs citations

24
times ranked

782
citing authors

#	ARTICLE	IF	CITATIONS
1	Residual stresses and Raman shift relation in anatase TiO ₂ thin film. <i>Thin Solid Films</i> , 2009, 517, 4372-4378.	1.8	106
2	Anatase TiO ₂ films based CO gas sensor: Film thickness, substrate and temperature effects. <i>Applied Surface Science</i> , 2007, 253, 8607-8614.	6.1	105
3	Material characterization at high strain rate by Hopkinson bar tests and finite element optimization. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 487, 289-300.	5.6	104
4	Acoustic chaos for enhanced detectability of cracks by sonic infrared imaging. <i>Journal of Applied Physics</i> , 2004, 95, 3792-3797.	2.5	82
5	Sonic infrared imaging of fatigue cracks. <i>International Journal of Fatigue</i> , 2001, 23, 471-476.	5.7	77
6	Design of an Innovative System for Wave Generation in Direct Tension-Compression Split Hopkinson Bar. <i>Journal of Dynamic Behavior of Materials</i> , 2015, 1, 201-213.	1.7	48
7	Controllable excimer-laser fabrication of conical nano-tips on silicon thin films. <i>Applied Physics Letters</i> , 2004, 84, 4881-4883.	3.3	43
8	Finite element modeling of the heating of cracks during sonic infrared imaging. <i>Journal of Applied Physics</i> , 2006, 99, 074905.	2.5	35
9	Finite-element modeling of acoustic chaos to sonic infrared imaging. <i>Journal of Applied Physics</i> , 2005, 98, 014907.	2.5	26
10	Effects of cold rolling process variables on final surface quality of stainless steel thin strip. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 61, 63-72.	3.0	24
11	Development of Short Fiber-Reinforced NiTi/Al6061 Composite. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2007, 129, 69-76.	1.4	20
12	A comparison between glass/polyimide and titanium/polyimide microjoint performances in cerebrospinal fluid. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 79A, 159-165.	4.0	18
13	Characterization of balsa wood mechanical properties required for continuum damage mechanics analysis. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2016, 230, 206-218.	1.1	7
14	A Systematic Study of the Formation of Nano-Tips on Silicon Thin Films by Excimer Laser Irradiation. <i>Materials Research Society Symposia Proceedings</i> , 2005, 872, 1.	0.1	5
15	Effect of padding on flexural response of sandwich composites. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 1253-1271.	3.5	5
16	Saturation and Flow Rate Effects on the Response of a Pd/AlN/SiC Hydrogen Sensor. <i>Materials Research Society Symposia Proceedings</i> , 2004, 815, 17.	0.1	3
17	Electrical response of Pd/AlN/6H-SiC and Pd/AlN/3C-SiC devices to hydrogen gas: The effects of AlN layer. <i>Journal of Applied Physics</i> , 2007, 101, 094501.	2.5	2
18	Modeling Damage Evolution in a Hybrid Ceramic Matrix Composite Under Static Tensile Load. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 1997, 119, 401-407.	1.4	1

#	ARTICLE	IF	CITATIONS
19	Fabrication of Anatase TiO ₂ Thin Film Using Pulsed DC Magnetron Sputtering. Materials Research Society Symposia Proceedings, 2004, 848, 187.	0.1	1
20	Residual Stresses in TiO ₂ Anatase Thin Films Deposited on Glass, Sapphire and Si Substrates. Materials Research Society Symposia Proceedings, 2005, 875, 1.	0.1	0
21	Effects of Substrate Materials on the Electrical Behavior of Pd/AlN/Semiconductor Based Hydrogen Sensors. Materials Research Society Symposia Proceedings, 2005, 872, 1.	0.1	0
22	Anatase TiO ₂ Thin Films Based CO Gas Sensor. Materials Research Society Symposia Proceedings, 2005, 888, 1.	0.1	0
23	Effect of Reinforcement Coating, Alloy Chemistry and Aging Treatment on the Moduli of Elasticity and Rupture of Al/SiCp Composites. , 0 , 1095-1101.		0