

G Newaz

List of Publications by Year in descending order

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23
papers

712
citations

759233

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794594

19
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24
all docs

24
docs citations

24
times ranked

782
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of padding on flexural response of sandwich composites. Journal of Sandwich Structures and Materials, 2021, 23, 1253-1271.	3.5	5
2	Characterization of balsa wood mechanical properties required for continuum damage mechanics analysis. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2016, 230, 206-218.	1.1	7
3	Design of an Innovative System for Wave Generation in Direct Tension-Compression Split Hopkinson Bar. Journal of Dynamic Behavior of Materials, 2015, 1, 201-213.	1.7	48
4	Effects of cold rolling process variables on final surface quality of stainless steel thin strip. International Journal of Advanced Manufacturing Technology, 2012, 61, 63-72.	3.0	24
5	Residual stresses and Raman shift relation in anatase TiO ₂ thin film. Thin Solid Films, 2009, 517, 4372-4378.	1.8	106
6	Material characterization at high strain rate by Hopkinson bar tests and finite element optimization. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 487, 289-300.	5.6	104
7	Development of Short Fiber-Reinforced NiTi-Al6061 Composite. Journal of Engineering Materials and Technology, Transactions of the ASME, 2007, 129, 69-76.	1.4	20
8	Electrical response of Pd-AlN-SiC and Pd-AlN-SiC devices to hydrogen gas: The effects of AlN layer. Journal of Applied Physics, 2007, 101, 094501.	2.5	2
9	Anatase TiO ₂ films based CO gas sensor: Film thickness, substrate and temperature effects. Applied Surface Science, 2007, 253, 8607-8614.	6.1	105
10	A comparison between glass/polyimide and titanium/polyimide microjoint performances in cerebrospinal fluid. Journal of Biomedical Materials Research - Part A, 2006, 79A, 159-165.	4.0	18
11	Finite element modeling of the heating of cracks during sonic infrared imaging. Journal of Applied Physics, 2006, 99, 074905.	2.5	35
12	A Systematic Study of the Formation of Nano-Tips on Silicon Thin Films by Excimer Laser Irradiation. Materials Research Society Symposia Proceedings, 2005, 872, 1.	0.1	5
13	Finite-element modeling of acoustic chaos to sonic infrared imaging. Journal of Applied Physics, 2005, 98, 014907.	2.5	26
14	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
15	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
16	Anatase TiO ₂ Thin Films Based CO Gas Sensor. Materials Research Society Symposia Proceedings, 2005, 888, 1.	0.1	0
17	Acoustic chaos for enhanced detectability of cracks by sonic infrared imaging. Journal of Applied Physics, 2004, 95, 3792-3797.	2.5	82
18	Saturation and Flow Rate Effects on the Response of a Pd/AlN/SiC Hydrogen Sensor. Materials Research Society Symposia Proceedings, 2004, 815, 17.	0.1	3

#	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	Controllable excimer-laser fabrication of conical nano-tips on silicon thin films. Applied Physics Letters, 2004, 84, 4881-4883.	3.3	43
21	Sonic infrared imaging of fatigue cracks. International Journal of Fatigue, 2001, 23, 471-476.	5.7	77
22	Modeling Damage Evolution in a Hybrid Ceramic Matrix Composite Under Static Tensile Load. Journal of Engineering Materials and Technology, Transactions of the ASME, 1997, 119, 401-407.	1.4	1
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