

Ibrahim Emre Gunduz

List of Publications by Year in descending order

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1040056

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docs citations

13
times ranked

266
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of bulk reactive Ni-Al composites using high pressure torsion. Journal of Alloys and Compounds, 2021, 857, 157503.	5.5	10
2	Development and Characterization of a Photopolymeric Binder for Additively Manufactured Composite Solid Propellant Using Vibration Assisted Printing. Propellants, Explosives, Pyrotechnics, 2020, 45, 853-863.	1.6	27
3	Underwater Robotic Welding of Lap Joints with Sandwiched Reactive Multilayers: Thermal, Mechanical and Material Analysis. MRS Advances, 2018, 3, 911-920.	0.9	3
4	Experimentally-validated mesoscale modeling of the coupled mechanical-thermal response of AP-HTPB energetic material under dynamic loading. International Journal of Fracture, 2017, 203, 277-298.	2.2	34
5	Microscopic two-color infrared imaging of Ni Al reactive particles and pellets. Thin Solid Films, 2016, 620, 48-53.	1.8	4
6	X-ray nanotomography and focused-ion-beam sectioning for quantitative three-dimensional analysis of nanocomposites. Journal of Synchrotron Radiation, 2016, 23, 990-996.	2.4	19
7	Miniature thermal matches: from nanoheaters to reactive fractals. Materials Research Express, 2015, 2, 045009.	1.6	8
8	Fabrication, characterization and applications of novel nanoheater structures. Surface and Coatings Technology, 2013, 215, 493-502.	4.8	25
9	<i>In situ</i> observation of rapid reactions in nanoscale Ni-Al multilayer foils using synchrotron radiation. Applied Physics Letters, 2010, 97, .	3.3	50
10	Synthesis of reactive Al/Ni structures by ball milling. Intermetallics, 2010, 18, 2219-2223.	3.9	34
11	Modeling of the self-propagating reactions of nickel and aluminum multilayered foils. Journal of Applied Physics, 2009, 105, .	2.5	45
12	Investigations on the self propagating reactions of nickel and aluminum multilayered foils. Applied Physics Letters, 2008, 93, 134101.	3.3	44