

Ibrahim Emre Gunduz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11083603/publications.pdf>

Version: 2024-02-01

12
papers

303
citations

1040056

9
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

266
citing authors

#	ARTICLE	IF	CITATIONS
1	<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
2	Modeling of the self-propagating reactions of nickel and aluminum multilayered foils. Journal of Applied Physics, 2009, 105, .	2.5	45
3	Investigations on the self propagating reactions of nickel and aluminum multilayered foils. Applied Physics Letters, 2008, 93, 134101.	3.3	44
4	Synthesis of reactive Al/Ni structures by ball milling. Intermetallics, 2010, 18, 2219-2223.	3.9	34
5	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
6	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
7	Fabrication, characterization and applications of novel nanoheater structures. Surface and Coatings Technology, 2013, 215, 493-502.	4.8	25
8	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
9	Synthesis of bulk reactive Ni–Al composites using high pressure torsion. Journal of Alloys and Compounds, 2021, 857, 157503.	5.5	10
10	Miniature thermal matches: from nanoheaters to reactive fractals. Materials Research Express, 2015, 2, 045009.	1.6	8
11	Microscopic two-color infrared imaging of Ni Al reactive particles and pellets. Thin Solid Films, 2016, 620, 48-53.	1.8	4
12	Underwater Robotic Welding of Lap Joints with Sandwiched Reactive Multilayers: Thermal, Mechanical and Material Analysis. MRS Advances, 2018, 3, 911-920.	0.9	3