

Akash Kumar

List of Publications by Year in descending order

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13
papers

199
citations

1163117

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1281871

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13
all docs

13
docs citations

13
times ranked

185
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure, mechanical properties and shape memory behaviour of friction stir welded nitinol. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 693, 233-236.	5.6	44
2	Shape memory effect, temperature distribution and mechanical properties of friction stir welded nitinol. Journal of Alloys and Compounds, 2019, 776, 334-345.	5.5	30
3	Investigations on actuation characteristics and life cycle behaviour of CuAlNiMn shape memory alloy bimorph towards flappers for aerial robots. Materials and Design, 2018, 144, 64-71.	7.0	23
4	Parametric investigations on the influence of nano-second Nd ³⁺ :YAG laser wavelength and fluence in synthesizing NiTi nano-particles using liquid assisted laser ablation technique. Applied Surface Science, 2016, 366, 104-111.	6.1	20
5	Investigations on the life cycle behavior of Cu-Al-Ni/polyimide shape memory alloy bi-morph at varying substrate thickness and actuation conditions. Sensors and Actuators A: Physical, 2017, 254, 28-35.	4.1	20
6	Parametric investigations to enhance the thermomechanical properties of CuAlNi shape memory alloy Bi-morph. Journal of Alloys and Compounds, 2017, 720, 264-271.	5.5	19
7	Laser assisted wet texturing of flexible polyethylene terephthalate substrate using Nd ³⁺ :YAG laser for photovoltaics devices. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 226, 78-85.	3.5	13
8	Enhancing the life cycle behaviour of Cu-Al-Ni shape memory alloy bimorph by Mn addition. Materials Letters, 2018, 226, 55-58.	2.6	11
9	Investigations on the Influence of Liquid-Assisted Laser Ablation of NiTi Rotating Target to Improve the Formation Efficiency of Spherical Alloyed NiTi Nanoparticles. Journal of Materials Engineering and Performance, 2017, 26, 4707-4717.	2.5	8
10	Investigations on effect of laser-induced self-assembled patterning on optical properties of flexible polyimide substrates for solar cell applications. Journal Physics D: Applied Physics, 2018, 51, 045502.	2.8	6
11	Investigation on thermo-mechanical behavior of SMA spring under the influence of different actuation medium. Microsystem Technologies, 2018, 24, 2813-2821.	2.0	4
12	Investigations on transformer oil temperature sensing using CuAlNi/polyimide shape memory alloy composite film. , 2017, , .		1
13	Investigations on the Influence of Substrate Temperature in Synthesizing CuZnAl Alloy Thin Films Using Spray Pyrolysis. Advanced Science, Engineering and Medicine, 2016, 8, 722-729.	0.3	0