

# Akash Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

199  
citations

1163117

8  
h-index

1281871

11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

185  
citing authors

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