Sandip Haldar

List of Publications by Year
in descending order

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		933447	940533
20	337	10	16
papers	citations	h-index	g-index

23	23	23	410
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogen storage in Li, Na and Ca decorated and defective borophene: a first principles study. RSC Advances, 2018, 8, 20748-20757.	3.6	64
2	A first principles study of hydrogen storage inÂlithium decorated defective phosphorene. International Journal of Hydrogen Energy, 2017, 42, 23018-23027.	7.1	56
3	Multi-scale Mechanical Characterization of Palmetto Wood using Digital Image Correlation to Develop a Template for Biologically-Inspired Polymer Composites. Experimental Mechanics, 2011, 51, 575-589.	2.0	31
4	Mechanics of composite sandwich structures with bioinspired core. Composites Science and Technology, 2014, 95, 67-74.	7.8	31
5	Microscale characterization of granular deformation near a crack tip. Journal of Materials Science, 2011, 46, 6596-6602.	3.7	27
6	Grid Method for Microscale Discontinuous Deformation Measurement. Experimental Mechanics, 2011, 51, 565-574.	2.0	19
7	Fracture behaviour of triaxial braided composites and its simulation using a multi-material shell modelling approach. Engineering Fracture Mechanics, 2018, 188, 268-286.	4.3	15
8	Flexural behavior of singly curved X-CorÂ® sandwich composite structures: Experiment and finite element modeling. Composite Structures, 2015, 129, 70-79.	5.8	14
9	A novel high symmetry interlocking micro-architecture design for polymer composites with improved mechanical properties. International Journal of Solids and Structures, 2017, 124, 161-175.	2.7	13
10	Microâ€“macro mechanical relations in Palmetto wood by numerical homogenisation. Composite Structures, 2016, 154, 1-10.	5.8	11
11	Characterization of dynamic damage mechanisms in Palmetto wood as biological inspiration for impact resistant polymer composites. Mechanics of Materials, 2013, 57, 97-108.	3.2	10
12	Relations between intralaminar micromechanisms and translaminar fracture behavior of unidirectional FRP supported by experimental micromechanics. Composites Part B: Engineering, 2019, 174, 107000.	12.0	10
13	Interlaminar and Intralaminar Fracture Behavior of Carbon Fiber Reinforced Polymer Composites. Key Engineering Materials, 0, 713, 325-328.	0.4	9
14	A New Methodology for Scaling the Mechanics of Pin-reinforcement in Composite Sandwich Structures under Compression using Digital Image Correlation. Experimental Mechanics, 2015, 55, 27-40.	2.0	8
15	Performance Analysis of Composite Helicopter Blade Using Synergistic Damage Mechanics Approach. AIAA Journal, 2020, 58, 968-976.	2.6	7
16	Time-dependent damage analysis for viscoelastic-viscoplastic structural laminates under biaxial loading. Composite Structures, 2018, 203, 60-70.	5.8	5
17	Modeling of pin-facesheet interactions in k-cor sandwich structures under compressive loading. , 2013, , .		4
18	A MatLAB Based Virtual Phantom for 2D Electrical Impedance Tomography (MatVP2DEIT): Studying the Medical Electrical Impedance Tomography Reconstruction in Computer. Journal of Medical Imaging and Health Informatics, 2014, 4, 147-167.	0.3	3

#	Article	IF	Citations
19	Mechanics of Curved Pin-Reinforced Composite Sandwich Structures. Conference Proceedings of the Society for Experimental Mechanics, 2015, , 101-108.	0.5	0
20	A Novel Architectured Polymer Composite for Near Isotropic Characteristics and Improved Combined Stiffnessâ€”Damping Properties. , 0, , .		0