

Ahmed El Moumen

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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citations

331259

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29
docs citations

29
times ranked

899
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical properties of carbon nanotubes based polymer composites. Composites Part B: Engineering, 2016, 103, 113-121.	5.9	162
2	Progressive damage modeling in carbon fibers/carbon nanotubes reinforced polymer composites. Composites Part B: Engineering, 2017, 112, 185-195.	5.9	73
3	Computational thermal conductivity in porous materials using homogenization techniques: Numerical and statistical approaches. Computational Materials Science, 2015, 97, 148-158.	1.4	70
4	Effect of reinforcement shape on physical properties and representative volume element of particles-reinforced composites: Statistical and numerical approaches. Mechanics of Materials, 2015, 83, 1-16.	1.7	68
5	Mechanical characterization of carbon nanotubes based polymer composites using indentation tests. Composites Part B: Engineering, 2017, 114, 1-7.	5.9	68
6	Dynamic properties of carbon nanotubes reinforced carbon fibers/epoxy textile composites under low velocity impact. Composites Part B: Engineering, 2017, 125, 1-8.	5.9	58
7	Damage detection versus heat dissipation in E-glass/Epoxy laminated composites under dynamic compression at high strain rate. Composite Structures, 2018, 186, 50-61.	3.1	50
8	Random versus periodic microstructures for elasticity of fibers reinforced composites. Composites Part B: Engineering, 2016, 103, 68-73.	5.9	49
9	On the effect of inclusion shape on effective thermal conductivity of heterogeneous materials. Mechanics of Materials, 2016, 92, 28-41.	1.7	48
10	Modeling of the effect of particles size, particles distribution and particles number on mechanical properties of polymer-clay nano-composites: Numerical homogenization versus experimental results. Composites Part B: Engineering, 2016, 86, 135-142.	5.9	47
11	Effective transverse elastic properties of unidirectional fiber reinforced composites. Mechanics of Materials, 2016, 102, 47-53.	1.7	44
12	Damage prediction of horizontal axis marine current turbines under hydrodynamic, hydrostatic and impacts loads. Composite Structures, 2017, 170, 146-157.	3.1	38
13	Experimental Study and Numerical Modelling of Low Velocity Impact on Laminated Composite Reinforced with Thin Film Made of Carbon Nanotubes. Applied Composite Materials, 2018, 25, 309-320.	1.3	38
14	Evaluation of durability of composite materials applied to renewable marine energy: Case of ducted tidal turbine. Energy Reports, 2018, 4, 31-40.	2.5	37
15	Dynamic properties of hybrid composite structures based multiwalled carbon nanotubes. Composites Science and Technology, 2017, 148, 70-79.	3.8	35
16	Computational Homogenization of Mechanical Properties for Laminate Composites Reinforced with Thin Film Made of Carbon Nanotubes. Applied Composite Materials, 2018, 25, 569-588.	1.3	35
17	Experimental and numerical investigation on the dynamic response of sandwich composite panels under hydrodynamic slamming loads. Composite Structures, 2017, 178, 297-307.	3.1	34
18	Mechanical properties of offshoring polymer composite pipes at various temperatures. Composites Part B: Engineering, 2018, 152, 231-240.	5.9	33

#	ARTICLE	IF	CITATIONS
19	A multiscale approach and microstructure design of the elastic composite behavior reinforced with natural particles. <i>Composites Part B: Engineering</i> , 2014, 66, 247-254.	5.9	32
20	Progressive damage modeling in laminate composites under slamming impact water for naval applications. <i>Composite Structures</i> , 2017, 167, 178-190.	3.1	32
21	Mechanical behavior of composite structures subjected to constant slamming impact velocity: An experimental and numerical investigation. <i>International Journal of Mechanical Sciences</i> , 2018, 144, 618-627.	3.6	30
22	Mechanical behavior of carbon nanotubes-based polymer composites under impact tests. <i>Journal of Composite Materials</i> , 2019, 53, 925-940.	1.2	22
23	Inter laminar failure behavior in laminate carbon nanotubes-based polymer composites. <i>Journal of Composite Materials</i> , 2018, 52, 3655-3667.	1.2	21
24	Numerical Evaluation of Dynamic Response for Flexible Composite Structures under Slamming Impact for Naval Applications. <i>Applied Composite Materials</i> , 2018, 25, 689-706.	1.3	20
25	Assessment of Energy Production Potential from Tidal Stream Currents in Morocco. <i>Energies</i> , 2018, 11, 1065.	1.6	19
26	Characterization of Polymeric Membranes Under Large Deformations Using Fluid-Structure Coupling. <i>International Journal of Applied Mechanics</i> , 2015, 07, 1550068.	1.3	11
27	Dynamic behavior of top-hat bonded stiffened composite panels: Experimental characterization. <i>Composites Part B: Engineering</i> , 2018, 149, 216-226.	5.9	11
28	Prediction of notched strength for cylindrical composites pipes under tensile loading conditions. <i>Composites Part B: Engineering</i> , 2018, 150, 104-114.	5.9	10
29	Numerical investigation of damage progressive in composite tidal turbine for renewable marine energy. , 2016, , .		7