

Daniel Pietras

List of Publications by Year in descending order

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18
papers

330
citations

1307543

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1199563

12
g-index

18
all docs

18
docs citations

18
times ranked

240
citing authors

#	ARTICLE	IF	CITATIONS
1	Deformation analysis of functionally graded beams by the direct approach. <i>Composites Part B: Engineering</i> , 2012, 43, 1315-1328.	12.0	123
2	Mechanical behavior of sandwich composite beams made of foams and functionally graded materials. <i>International Journal of Solids and Structures</i> , 2013, 50, 519-530.	2.7	66
3	Crack propagation in functionally graded strip under thermal shock. <i>European Physical Journal: Special Topics</i> , 2013, 222, 1587-1595.	2.6	51
4	Multilayered and FGM structural elements under mechanical and thermal loads. Part I: Comparison of finite elements and analytical models. <i>Archives of Civil and Mechanical Engineering</i> , 2015, 15, 1180-1192.	3.8	21
5	A numerical model for description of mechanical behaviour of a Functionally Graded Autoclaved Aerated Concrete created on the basis of experimental results for homogenous Autoclaved Aerated Concretes with different porosities. <i>Construction and Building Materials</i> , 2019, 204, 839-848.	7.2	15
6	Influence of geometry, elasticity properties and boundary conditions on the Mode I purity in sandwich composites. <i>Composite Structures</i> , 2019, 223, 110942.	5.8	12
7	Thermoelastic Deformations of Cylindrical Multi-Layered Shells Using a Direct Approach. <i>Journal of Thermal Stresses</i> , 2013, 36, 749-789.	2.0	8
8	A Novel Approach by Spark Plasma Sintering to the Improvement of Mechanical Properties of Titanium Carbonitride-Reinforced Alumina Ceramics. <i>Molecules</i> , 2021, 26, 1344.	3.8	8
9	Determination of effective stiffness properties of multilayered composite beams. <i>Continuum Mechanics and Thermodynamics</i> , 2021, 33, 1781-1803.	2.2	6
10	Description of Degradation Process of Rubberized Lean Concrete. <i>Solid State Phenomena</i> , 2014, 216, 67-72.	0.3	5
11	Estimation of Thermal Stress Intensity Factor in a Strip with Various Property Gradations Subjected to Thermal Shock. <i>Key Engineering Materials</i> , 0, 601, 71-75.	0.4	4
12	Heat Transfer Process in Jet Turbine Blade with Functionally Graded Thermal Barrier Coating. <i>Solid State Phenomena</i> , 0, 254, 170-175.	0.3	4
13	Gradual degradation of a thin-walled aluminum adhesive joint with omega cross section under bending. <i>International Journal of Adhesion and Adhesives</i> , 2019, 89, 72-81.	2.9	4
14	Experimental Study of Single-Lap, Hybrid Joints, Made of 3D Printed Polymer and Aluminium Adherends. <i>Materials</i> , 2021, 14, 7705.	2.9	3
15	The Deformation Process of Thin-Walled Box Beams Joined by Rivets under Three-Point Bending. <i>Solid State Phenomena</i> , 0, 254, 283-289.	0.3	0
16	Description of Brittle Behaviour of Alumina/Zirconia 2 Phase Ceramics. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 416, 012059.	0.6	0
17	Impact of Exploitation Flaws on Load Capacity of Tempered Glass Stairs Assessed by Numerical Analysis with XFEM. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 416, 012085.	0.6	0
18	Numerical modelling of hydraulically bonded mixture with rubber admixture due to applied mechanical loadings. <i>Budownictwo I Architektura</i> , 2019, 16, 095-102.	0.3	0