Christian Dammann

List of Publications by Year
in descending order

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17	131	1478505 6	1281871 11
papers	citations	h-index	g-index

17	17	17	69
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A three-scale framework for fibre-reinforced-polymer curing Part I: Microscopic modeling and mesoscopic effective properties. International Journal of Solids and Structures, 2016, 100-101, 341-355.	2.7	30
2	Shear strength and failure behaviour of laser nano-structured and conventionally pre-treated interfaces in intrinsically manufactured CFRP-steel hybrids. Composites Part B: Engineering, 2018, 151, 173-185.	12.0	26
3	A three-scale framework for fibre-reinforced-polymer curing part II: Mesoscopic modeling and macroscopic effective properties. International Journal of Solids and Structures, 2016, 100-101, 356-375.	2.7	21
4	Influences of interface and surface pretreatment on the mechanical properties of metal-CFRP hybrid structures manufactured by resin transfer moulding. International Journal of Automotive Composites, 2016, 2, 272.	0.1	12
5	(n)- AND (n + 1)-LAYERED COMPOSITE SPHERE MODELS FOR THERMO-CHEMO-MECHANICAL EFFECTIVE PROPERTIES. International Journal for Multiscale Computational Engineering, 2017, 15, 295-322.	1.2	11
6	Hybrid Metal-Composite Interfaces: Aspects of Design, Characterisation, and Simulation. Advanced Materials Research, 2016, 1140, 255-263.	0.3	10
7	Simulation of strain-induced anisotropy for polymers with weighting functions. Archive of Applied Mechanics, 2014, 84, 21-41.	2.2	5
8	A least squares approach for effective shear properties in an $${{varvec{n}}}$$ n -layered sphere model. Archive of Applied Mechanics, 2018, 88, 2081-2099.	2.2	5
9	Simulation of a resin transfer molding process using a phase field approach within the theory of porous media. Composites Part A: Applied Science and Manufacturing, 2019, 120, 147-160.	7.6	5
10	Influences of interface and surface pretreatment on the mechanical properties of metal-CFRP hybrid structures manufactured by resin transfer moulding. International Journal of Automotive Composites, 2016, 2, 272.	0.1	4
11	Derivation of an n-layered composite sphere model for thermo-chemo-mechanical effective properties. Proceedings in Applied Mathematics and Mechanics, 2017, 17, 581-582.	0.2	1
12	Sequential biaxial stretching of polycarbonateâ€films for characterization of strainâ€induced anisotropy. GAMM Mitteilungen, 2018, 41, e201800003.	5.5	1
13	A macroscopic consitutive model on induced anisotropy for polymers with weighting functions. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 387-388.	0.2	0
14	Determination of effective properties for CFRP curing coupled to viscoleasticity based on a threeâ€scale framework. Proceedings in Applied Mathematics and Mechanics, 2016, 16, 517-518.	0.2	0
15	Thermo-chemo-mechanical Effective Properties for Homogeneous and Heterogeneous n -Phase Mixtures with Application to Curing. Procedia CIRP, 2017, 66, 51-56.	1.9	0
16	The effective shear modulus for ann-layered composite sphere. Proceedings in Applied Mathematics and Mechanics, 2017, 17, 609-610.	0.2	0
17	Hybridprofile fÃ¼r Trag- und Crashstrukturen. , 2021, , 121-203.		0