Philippe Viot

List of Publications by Year in descending order

29 papers	857 citations	686830 13 h-index	552369 26 g-index
31 all docs	31 docs citations	31 times ranked	840 citing authors

#	Article	IF	Citations
1	Numerical modelling of foam-core sandwich panels with nano-reinforced composite facesheets. Journal of Sandwich Structures and Materials, 2021, 23, 1166-1191.	2.0	4
2	Strain-rate dependency of bio-based cellular materials under a large range of temperature. EPJ Web of Conferences, 2021, 250, 01035.	0.1	3
3	Reinforcement of cellular materials with short fibres: Application to a bio-based cork multi-scale foam. Mechanics of Materials, 2020, 142, 103271.	1.7	9
4	Multi-scale foam : 3D structure/compressive behaviour relationship of agglomerated cork. Materialia, 2019, 5, 100219.	1.3	29
5	A new method for the study of parabolic impact of foam-core sandwich panels. Composites Part B: Engineering, 2019, 167, 717-727.	5.9	7
6	Multiaxial experiments with radial loading paths on a polymeric foam. Polymer Testing, 2018, 67, 441-449.	2.3	6
7	Experimental Investigation and Discrete Element Modelling of Composite Hollow Spheres Subjected to Dynamic Fracture. International Journal of Polymer Science, 2017, 2017, 1-15.	1.2	4
8	Finite element modelling of the low velocity impact response of composite plates with block copolymer nano-reinforcements. International Journal of Automotive Composites, 2016, 2, 3.	0.1	3
9	Multiaxial behavior of foams â€“ Experiments and modeling. EPJ Web of Conferences, 2015, 94, 04035.	0.1	4
10	Experimental characterization of post rigor mortis human muscle subjected to small tensile strains and application of a simple hyper-viscoelastic model. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2014, 228, 1059-1068.	1.0	5
11	Effect of block copolymer nano-reinforcements on the low velocity impact response of sandwich structures. Composite Structures, 2014, 110, 174-182.	3.1	35
12	Viscoelastic properties of the human sternocleidomastoideus muscle of aged women in relaxation. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 27, 77-83.	1.5	21
13	Elastic behavior of multi-scale, open-cell foams. Composites Part B: Engineering, 2013, 44, 172-183.	5.9	40
14	Hyper-elastic properties of the human sternocleidomastoideus muscle in tension. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 15, 131-140.	1.5	43
15	The influence of acrylate triblock copolymer embedded in matrix on composite structuresâ€™ responses to low-velocity impacts. Composite Structures, 2012, 94, 1471-1481.	3.1	31
16	Foaming of amorphous polymers and blends in supercritical CO₂: Solubility versus block copolymers addition. Journal of Cellular Plastics, 2011, 47, 535-548.	1.2	17
17	Comportement des matÃ©riaux cellulaires sous sollicitations dynamiques. Partie 2 : approche multi-Ã©chelles. Mecanique Et Industries, 2011, , .	0.2	0
18	Foaming Behaviour and Compressive Properties of Microcellular Nanostructured Polystyrene. Frontiers in Forests and Global Change, 2009, 28, 363-385.	0.6	9

#	Article	IF	Citations
19	Behavior under impact of two polyvinyl acetate-polyethylene (PVA-PE) polymers and one elastomer-application to custom-made mouthguards. Dental Materials Journal, 2009, 28, 170-177.	0.8	5
20	Polypropylene foam behaviour under dynamic loadings: Strain rate, density and microstructure effects. International Journal of Impact Engineering, 2009, 36, 329-342.	2.4	157
21	Hydrostatic compression on polypropylene foam. International Journal of Impact Engineering, 2009, 36, 975-989.	2.4	60
22	Scale effects on the response of composite structures under impact loading. Engineering Fracture Mechanics, 2008, 75, 2725-2736.	2.0	28
23	Three-dimensional image correlation from X-ray computed tomography of solid foam. Composites Part A: Applied Science and Manufacturing, 2008, 39, 1253-1265.	3.8	257
24	Microtomography on polypropylene foam under dynamic loading: 3D analysis of bead morphology evolution. Composites Part A: Applied Science and Manufacturing, 2008, 39, 1266-1281.	3.8	32
25	Polymeric foam deformation under dynamic loading by the use of the microtomographic technique. Journal of Materials Science, 2007, 42, 7202-7213.	1.7	28
26	Impact test deformations of polypropylene foam samples followed by microtomography. Journal of Materials Science, 2006, 41, 1277-1279.	1.7	13
27	Comportement de mousses polymÃ¨res en compression dynamique. Revue Des Composites Et Des Materiaux Avances, 2003, 13, 283-292.	0.2	4
28	<i>Ex-Situ</i> Study of Polymeric Syntactic Foams Mechanical Response Under Compression Loading: Effects of Foam Microstructure Using Microtomography Techniques. Advanced Materials Research, 0, 146-147, 42-62.	0.3	1
29	Experimental Study of Mouth Guards Response under Impact Loading. Applied Mechanics and Materials, 0, 83, 78-84.	0.2	2