Agathe Robisson

List of Publications by Year
in descending order

20 papers	890 citations	759233 12 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	1126 citing authors

#	Article	IF	Citations
1	Small oscillatory rheology and cementitious particle interactions. Cement and Concrete Research, 2022, 157, 106790.	11.0	8
2	Effect of casting and curing temperature on the interfacial bond strength of epoxy bonded concretes. Construction and Building Materials, 2021, 307, 124328.	7.2	22
3	Suspensions Sedimenting in a Horizontal Annulus â€“ A Model for Oilfield Cements in Horizontal Wells. RILEM Bookseries, 2020, , 52-59.	0.4	1
4	Effect of hydrolytic degradation on the mechanical property of a thermoplastic polyether ester elastomer. Polymer Degradation and Stability, 2018, 155, 35-42.	5.8	10
5	Complex Fluids and Hydraulic Fracturing. Annual Review of Chemical and Biomolecular Engineering, 2016, 7, 415-453.	6.8	141
6	Control of reactions and network structures of epoxy thermosets. Progress in Polymer Science, 2016, 62, 126-179.	24.7	261
7	On the inhomogeneous hydration kinetics and stiffness evolution of <scp>HNBR</scp>â€<scp>M</scp>g<scp>O</scp> reactive elastomer composites. Journal of Applied Polymer Science, 2016, 133, .	2.6	2
8	Novel reactive elastomer-metal oxide composite: Effect of filler size and content on swelling and reinforcement. , 2014, , .		1
9	Swellable elastomeric HNBRâ€“MgO composite: Magnesium oxide as a novel swelling and reinforcement filler. Composites Science and Technology, 2014, 99, 52-58.	7.8	14
10	Stimuli-Responsive Cement-Reinforced Rubber. ACS Applied Materials & Interfaces, 2014, 6, 6962-6968.	8.0	12
11	Reactive elastomeric composites: When rubber meets cement. Composites Science and Technology, 2013, 75, 77-83.	7.8	12
12	Kinetics of swelling under constraint. Journal of Applied Physics, 2013, 114, 064901.	2.5	15
13	Swellable elastomers under constraint. Journal of Applied Physics, 2012, 112, .	2.5	24
14	Nanoscale visualization and multiscale mechanical implications of bound rubber interphases in rubberâ€“carbon black nanocomposites. Soft Matter, 2011, 7, 1066-1077.	2.7	154
15	A simple analogy between carbon black reinforced rubbers and random three-dimensional open-cell solids. Mechanics of Materials, 2010, 42, 974-980.	3.2	14
16	Synthesis, mechanical properties and chemical/solvent resistance of crosslinked poly(aryl-etherâ€“etherâ€“ketones) at high temperatures. Polymer, 2010, 51, 1914-1920.	3.8	32
17	Force generated by a swelling elastomer subject to constraint. Journal of Applied Physics, 2010, 107, 103535.	2.5	59
18	Influence of Defect Orientation on Electrical Insulating Properties of Plasma-Sprayed Alumina Coatings. Journal of Electroceramics, 2005, 15, 65-74.	2.0	13

#	Article	IF	Citations
19	Process-microstructure-property relationships in controlled atmosphere plasma spraying of ceramics. Surface and Coatings Technology, 2004, 183, 204-211.	4.8	33
20	Visco-hyperelastic model with internal state variable coupled with discontinuous damage concept under total Lagrangian formulation. International Journal of Plasticity, 2003, 19, 977-1000.	8.8	62