Wk Dierkes

List of Publications by Year
in descending order

13 papers	345 citations	1163117 8 h-index	1125743 13 g-index
13 all docs	13 docs citations	13 times ranked	364 citing authors

#	Article	IF	Citations
1	Best Practice for De-Vulcanization of Waste Passenger Car Tire Rubber Granulate Using 2-2â€²-dibenzamidodiphenyldisulfide as De-Vulcanization Agent in a Twin-Screw Extruder. Polymers, 2021, 13, 1139.	4.5	8
2	PP/PP-HI/silica nanocomposites for HVDC cable insulation: Are silica clusters beneficial for space charge accumulation?. Polymer Testing, 2021, 98, 107186.	4.8	6
3	Effect of SBR/BR elastomer blend ratio on filler and vulcanization characteristics of silica filled tire tread compounds. Polymer Testing, 2021, 99, 107212.	4.8	18
4	Incorporation of Oligomeric Hydrocarbon Resins for Improving the Properties of Aircraft Tire Retreads. Applied Sciences (Switzerland), 2021, 11, 9834.	2.5	4
5	Improved dynamic performance in flexure mechanisms by overconstraining using viscoelastic material. Precision Engineering, 2020, 63, 115-125.	3.4	3
6	The Effect of Silanization Temperature and Time on the Marching Modulus of Silica-Filled Tire Tread Compounds. Polymers, 2020, 12, 209.	4.5	23
7	Defining Key Factors in Carbon Black-Filled NR/BR Compounds for Balancing Aircraft Tire Tread Properties. Journal of Composites Science, 2019, 3, 47.	3.0	4
8	Implications of the Use of Silica as Active Filler in Passenger Car Tire Compounds on Their Recycling Options. Materials, 2019, 12, 725.	2.9	25
9	A Novel Approach of Promoting Adhesion of Reinforcing Cord to Elastomers by Plasma Polymerization. Polymers, 2019, 11, 577.	4.5	18
10	Surface Modification of Fumed Silica by Plasma Polymerization of Acetylene for PP/POE Blends Dielectric Nanocomposites. Polymers, 2019, 11, 1957.	4.5	25
11	Enhancing the Silanization Reaction of the Silica-Silane System by Different Amines in Model and Practical Silica-Filled Natural Rubber Compounds. Polymers, 2018, 10, 584.	4.5	38
12	Upscaling of a Batch De-Vulcanization Process for Ground Car Tire Rubber to a Continuous Process in a Twin Screw Extruder. Materials, 2016, 9, 724.	2.9	18
13	Science and technology of rubber reclamation with special attention to NR-based waste latex products. Progress in Polymer Science, 2006, 31, 811-834.	24.7	155