

# Sylvain CharlÃ's

## List of Publications by Year in descending order

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6  
papers

40  
citations

1937685

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2053705

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g-index

7  
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7  
docs citations

7  
times ranked

29  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamics of strain-induced crystallization in filled natural rubber under uni- and biaxial loadings, Part I: Complete energetic characterization and crystallinity evaluation. <i>Journal of the Mechanics and Physics of Solids</i> , 2022, 159, 104701.	4.8	8
2	First evidence and characterization of strain-induced crystallization heterogeneity in natural rubber under homogeneous strain states. <i>Polymer</i> , 2022, 255, 125120.	3.8	5
3	Full-Field Analysis of Strain-Induced Crystallization in Natural Rubber. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2021, , 9-12.	0.5	0
4	Thermomechanical Behaviour and Interface of Overmoulded Soft Thermoplastic Vulcanizate Elastomers. <i>Materials</i> , 2021, 14, 5704.	2.9	2
5	Inverse identification of constitutive parameters from heat source fields: A local approach applied to hyperelasticity. <i>Strain</i> , 2020, 56, e12334.	2.4	13
6	Comparison between x-ray diffraction and quantitative surface calorimetry based on infrared thermography to evaluate strain-induced crystallinity in natural rubber. <i>Review of Scientific Instruments</i> , 2020, 91, 044902.	1.3	12