

# Mahdi Abbasi

## List of Publications by Year in descending order

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23  
papers

555  
citations

623734

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677142

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24  
docs citations

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times ranked

643  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comb and Bottlebrush Polymers with Superior Rheological and Mechanical Properties. <i>Advanced Materials</i> , 2019, 31, e1806484.	21.0	117
2	Linear and Extensional Rheology of Model Branched Polystyrenes: From Loosely Grafted Combs to Bottlebrushes. <i>Macromolecules</i> , 2017, 50, 5964-5977.	4.8	75
3	Effect of Molecular Weight, Polydispersity, and Monomer of Linear Homopolymer Melts on the Intrinsic Mechanical Nonlinearity $\langle Q^3 \rangle / \langle Q \rangle^3$ (%) in MAOS. <i>Macromolecules</i> , 2016, 49, 3566-3579.	4.8	70
4	Investigation of the rheological behavior of industrial tubular and autoclave LDPEs under SAOS, LAOS, transient shear, and elongational flows compared with predictions from the MSF theory. <i>Journal of Rheology</i> , 2013, 57, 1693-1714.	2.6	34
5	Linear and Nonlinear Rheology Combined with Dielectric Spectroscopy of Hybrid Polymer Nanocomposites for Semiconductive Applications. <i>Nanomaterials</i> , 2017, 7, 23.	4.1	31
6	Elongational viscosity of LDPE with various structures: employing a new evolution equation in MSF theory. <i>Rheologica Acta</i> , 2012, 51, 163-177.	2.4	29
7	Influence of molecular structure on the foamability of polypropylene: Linear and extensional rheological fingerprint. <i>Journal of Cellular Plastics</i> , 2018, 54, 515-543.	2.4	27
8	Large amplitude oscillatory shear flow: Microstructural assessment of polymeric systems. <i>Progress in Polymer Science</i> , 2022, 132, 101580.	24.7	27
9	Stability of star-shaped RAFT polystyrenes under mechanical and thermal stress. <i>Polymer Chemistry</i> , 2014, 5, 5009-5019.	3.9	20
10	Polystyrene comb architectures as model systems for the optimized solution electrospinning of branched polymers. <i>Polymer</i> , 2016, 104, 240-250.	3.8	19
11	Theoretical correlation of linear and non-linear rheological symptoms of long-chain branching in polyethylenes irradiated by electron beam at relatively low doses. <i>Rheologica Acta</i> , 2017, 56, 729-742.	2.4	19
12	ATRP-based polymers with modular ligation points under thermal and thermomechanical stress. <i>Polymer Chemistry</i> , 2015, 6, 2854-2868.	3.9	18
13	Control of <i>Penicillium</i> decay on citrus fruit using essential oil vapours of thyme or clove inside polyethylene and nano-clay polyethylene films. <i>Journal of Horticultural Science and Biotechnology</i> , 2009, 84, 403-409.	1.9	17
14	Validity of the modified molecular stress function theory to predict the rheological properties of polymer nanocomposites. <i>Journal of Rheology</i> , 2013, 57, 881-899.	2.6	15
15	Effect of Carbon-Based Particles on the Mechanical Behavior of Isotactic Poly(propylene)s. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 429-440.	3.6	12
16	Molecular origin of the foam structure in model linear and comb polystyrenes: II. Volume expansion ratio. <i>Polymer</i> , 2020, 193, 122354.	3.8	5
17	Iterative sinc convolution method for solving planar Dâ€bar equation with application to EIT. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2012, 28, 838-860.	2.1	4
18	Molecular origin of the foam structure in model linear and comb polystyrenes: I. Cell density. <i>Polymer</i> , 2020, 193, 122351.	3.8	3

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19	Precise two-dimensional D-bar reconstructions of human chest and phantom tank via sinc-convolution algorithm. BioMedical Engineering OnLine, 2012, 11, 34.	2.7	2
20	The intrinsic mechanical nonlinearity 3Q0(İ%) of linear homopolymer melts. AIP Conference Proceedings, 2017, , .	0.4	2
21	Stability of Dielsâ€Alder photoadducts in macromolecules. Polymer Chemistry, 2018, 9, 3850-3854.	3.9	2
22	Comb Polymers with Triazole Linkages under Thermal and Mechanical Stress. Macromolecules, 2019, 52, 420-431.	4.8	2
23	Quantifying separation energy with a modified Capillary Break-up Extensional Rheometer (CaBER) to study polymer solutions. Soft Materials, 2021, 19, 199-212.	1.7	0