Victor M Litvinov

List of Publications by Year in descending order

32 papers	1,015 citations	394421 19 h-index	414414 32 g-index
32 all docs	32 docs citations	32 times ranked	1098 citing authors

#	Article	IF	Citations
1	Effect of H-bonding on network junction and macroscopic elastomer properties in photocured polyacrylate films. Materials Chemistry Frontiers, 2022, 6, 990-1004.	5.9	2
2	Environmental stress cracking of polyethylene pipe: Changes in physical structures leading to failure. Polymer, 2022, 252, 124938.	3.8	7
3	Chain Entanglements and Interlamellar Links in Isotactic Polybutene-1: The Effect of Condis Crystals and Crystallization Temperature. Macromolecules, 2022, 55, 5636-5644.	4.8	12
4	Impact of morphology on O2 permeability in silicone hydrogel membranes: new insights into domain percolation from experiments and simulations. Journal of Membrane Science, 2021, 621, 118970.	8.2	10
5	Change of lamellar morphology upon polymorphic transition of form II to form I crystals in isotactic Polybutene-1 and its copolymer. Polymer, 2021, 215, 123355.	3.8	11
6	Melting-Induced Evolution of Morphology, Entanglement Density, and Ultradrawability of Solution-Crystallized Ultrahigh-Molecular-Weight Polyethylene. Macromolecules, 2021, 54, 5683-5693.	4.8	13
7	Crystallinity of polyolefins with large side groups by low-field 1H NMR T2 relaxometry: Isotactic Polybutene-1 with form II and I crystals. Solid State Nuclear Magnetic Resonance, 2020, 105, 101637.	2.3	15
8	The effect of hydrogen bonding on diffusion and permeability in UV-cured Polyacrylate-based networks for controlled release. Journal of Controlled Release, 2020, 327, 150-160.	9.9	12
9	Molecular Structure, Phase Composition, Melting Behavior, and Chain Entanglements in the Amorphous Phase of High-Density Polyethylenes. Macromolecules, 2020, 53, 5418-5433.	4.8	29
10	Influence of silicone distribution and mobility on the oxygen permeability of model silicone hydrogels. Polymer, 2017, 118, 150-162.	3.8	25
11	Network Structure in Acrylate Systems: Effect of Junction Topology on Cross-Link Density and Macroscopic Gel Properties. Macromolecules, 2016, 49, 6531-6540.	4.8	27
12	Preparation of Grignard reagents from magnesium metal under continuous flow conditions and on-line monitoring by NMR spectroscopy. Tetrahedron Letters, 2016, 57, 122-125.	1.4	47
13	The chemical structure of the amorphous phase of propyleneâ€“ethylene random copolymers in relation to their stressâ€“strain properties. Polymer, 2014, 55, 896-905.	3.8	24
14	Structure and Dynamics of Drawn Gelâ€Spun Ultrahighâ€Molecularâ€Weight Polyethylene Fibers by ¹H, ¹³C and ¹²⁹Xe NMR. Macromolecular Chemistry and Physics, 2010, 211, 2611-2623.	2.2	15
15	Lateral and Rotational Mobility of Some Drug Molecules in a Poly(Ethylene Glycol) Diacrylate Hydrogel and the Effect of Drug-Cyclodextrin Complexation. Journal of Pharmaceutical Sciences, 2008, 97, 3245-3256.	3.3	19
16	Study of Uniaxially Stretched Isotactic Poly(propylene) by ¹H Solidâ€State NMR and IR Spectroscopy. Macromolecular Chemistry and Physics, 2008, 209, 734-745.	2.2	21
17	Aging Effects on the Phase Composition and Chain Mobility of Isotactic Poly(propylene). Macromolecular Materials and Engineering, 2008, 293, 847-857.	3.6	37
18	Solid-State1H NMR Study on Chemical Cross-Links, Chain Entanglements, and Network Heterogeneity in Peroxide-Cured EPDM Rubbers. Macromolecules, 2007, 40, 8999-9008.	4.8	65

#	Article	IF	Citations
19	Structural Changes from the Pure Components to Nylon 6â˜Montmorillonite Nanocomposites Observed by Solid-State NMR. Chemistry of Materials, 2007, 19, 1089-1097.	6.7	39
20	The effect of temperature and annealing on the phase composition, molecular mobility and the thickness of domains in high-density polyethylene. Polymer, 2007, 48, 763-777.	3.8	112
21	Real-Time NMR. How Fast Can We Do It?. Macromolecular Symposia, 2005, 230, 20-25.	0.7	8
22	Network Density and Diene Conversion in Peroxide-Cured Gumstock EPDM Rubbers. A Solid-State NMR Study. Macromolecular Symposia, 2005, 230, 144-148.	0.7	19
23	Investigation of Soft Component Mobility in Thermoplastic Elastomers using Homo- and Heteronuclear Dipolar Filtered1H Double Quantum NMR Experiments. Macromolecular Chemistry and Physics, 2004, 205, 83-94.	2.2	16
24	Phase Composition and Molecular Mobility in Nylon 6 Fibers as Studied by Proton NMR Transverse Magnetization Relaxation. Macromolecular Chemistry and Physics, 2004, 205, 1721-1734.	2.2	61
25	Study of the water uptake of polyamide 46 based copolymers by magnetic resonance imaging relaxometry. Polymer, 2004, 45, 2465-2473.	3.8	23
26	Fumed silica â€“ rheological additive for adhesives, resins, and paints. Macromolecular Symposia, 2002, 187, 573-584.	0.7	41
27	Partitioning of Main and Side-Chain Units between Different Phases: A Solid-State 13C NMR Inversion-Recovery Cross-Polarization Study on a Homogeneous, Metallocene-Based, Ethylene-1-Octene Copolymer. Solid State Nuclear Magnetic Resonance, 2002, 22, 218-234.	2.3	33
28	Polyurethane Networks Bearing Dendritic Wedges:Â Synthesis and Some Properties. Macromolecules, 2001, 34, 1013-1017.	4.8	27
29	NMR Investigations of In-Situ Stretched Block Copolymers of Poly(butylene terephthalate) and Poly(tetramethylene oxide). Macromolecules, 1998, 31, 1652-1660.	4.8	37
30	Broad-band dielectric spectroscopy on the molecular dynamics of bulk and adsorbed poly(dimethylsiloxane). Macromolecules, 1993, 26, 975-980.	4.8	139
31	Title is missing!. Die Makromolekulare Chemie, 1992, 193, 1181-1194.	1.1	59
32	Polysiloxanes at the air/water interface and after transfer onto substrates. Makromolekulare Chemie Macromolecular Symposia, 1991, 46, 365-370.	0.6	10