

Victor M Litvinov

List of Publications by Year in descending order

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32
papers

1,015
citations

394421

19
h-index

414414

32
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32
all docs

32
docs citations

32
times ranked

1098
citing authors

#	ARTICLE	IF	CITATIONS
1	Broad-band dielectric spectroscopy on the molecular dynamics of bulk and adsorbed poly(dimethylsiloxane). <i>Macromolecules</i> , 1993, 26, 975-980.	4.8	139
2	The effect of temperature and annealing on the phase composition, molecular mobility and the thickness of domains in high-density polyethylene. <i>Polymer</i> , 2007, 48, 763-777.	3.8	112
3	Solid-State ¹ H NMR Study on Chemical Cross-Links, Chain Entanglements, and Network Heterogeneity in Peroxide-Cured EPDM Rubbers. <i>Macromolecules</i> , 2007, 40, 8999-9008.	4.8	65
4	Phase Composition and Molecular Mobility in Nylon 6 Fibers as Studied by Proton NMR Transverse Magnetization Relaxation. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 1721-1734.	2.2	61
5	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1992, 193, 1181-1194.	1.1	59
6	Preparation of Grignard reagents from magnesium metal under continuous flow conditions and on-line monitoring by NMR spectroscopy. <i>Tetrahedron Letters</i> , 2016, 57, 122-125.	1.4	47
7	Fumed silica as rheological additive for adhesives, resins, and paints. <i>Macromolecular Symposia</i> , 2002, 187, 573-584.	0.7	41
8	Structural Changes from the Pure Components to Nylon 6/Montmorillonite Nanocomposites Observed by Solid-State NMR. <i>Chemistry of Materials</i> , 2007, 19, 1089-1097.	6.7	39
9	NMR Investigations of In-Situ Stretched Block Copolymers of Poly(butylene terephthalate) and Poly(tetramethylene oxide). <i>Macromolecules</i> , 1998, 31, 1652-1660.	4.8	37
10	Aging Effects on the Phase Composition and Chain Mobility of Isotactic Poly(propylene). <i>Macromolecular Materials and Engineering</i> , 2008, 293, 847-857.	3.6	37
11	Partitioning of Main and Side-Chain Units between Different Phases: A Solid-State ¹³ C NMR Inversion-Recovery Cross-Polarization Study on a Homogeneous, Metallocene-Based, Ethylene-1-Octene Copolymer. <i>Solid State Nuclear Magnetic Resonance</i> , 2002, 22, 218-234.	2.3	33
12	Molecular Structure, Phase Composition, Melting Behavior, and Chain Entanglements in the Amorphous Phase of High-Density Polyethylenes. <i>Macromolecules</i> , 2020, 53, 5418-5433.	4.8	29
13	Polyurethane Networks Bearing Dendritic Wedges: Synthesis and Some Properties. <i>Macromolecules</i> , 2001, 34, 1013-1017.	4.8	27
14	Network Structure in Acrylate Systems: Effect of Junction Topology on Cross-Link Density and Macroscopic Gel Properties. <i>Macromolecules</i> , 2016, 49, 6531-6540.	4.8	27
15	Influence of silicone distribution and mobility on the oxygen permeability of model silicone hydrogels. <i>Polymer</i> , 2017, 118, 150-162.	3.8	25
16	The chemical structure of the amorphous phase of propylene-ethylene random copolymers in relation to their stress-strain properties. <i>Polymer</i> , 2014, 55, 896-905.	3.8	24
17	Study of the water uptake of polyamide 46 based copolymers by magnetic resonance imaging relaxometry. <i>Polymer</i> , 2004, 45, 2465-2473.	3.8	23
18	Study of Uniaxially Stretched Isotactic Poly(propylene) by ¹ H Solid-State NMR and IR Spectroscopy. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 734-745.	2.2	21

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19	Network Density and Diene Conversion in Peroxide-Cured Gumstock EPDM Rubbers. A Solid-State NMR Study. <i>Macromolecular Symposia</i> , 2005, 230, 144-148.	0.7	19
20	Lateral and Rotational Mobility of Some Drug Molecules in a Poly(Ethylene Glycol) Diacrylate Hydrogel and the Effect of Drug-Cyclodextrin Complexation. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 3245-3256.	3.3	19
21	Investigation of Soft Component Mobility in Thermoplastic Elastomers using Homo- and Heteronuclear Dipolar Filtered ^1H Double Quantum NMR Experiments. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 83-94.	2.2	16
22	Structure and Dynamics of Drawn Gel-Spun Ultrahigh-Molecular-Weight Polyethylene Fibers by ^1H , ^{13}C and ^{129}Xe NMR. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 2611-2623.	2.2	15
23	Crystallinity of polyolefins with large side groups by low-field ^1H NMR T2 relaxometry: Isotactic Polybutene-1 with form II and I crystals. <i>Solid State Nuclear Magnetic Resonance</i> , 2020, 105, 101637.	2.3	15
24	Melting-Induced Evolution of Morphology, Entanglement Density, and Ultradrawability of Solution-Crystallized Ultrahigh-Molecular-Weight Polyethylene. <i>Macromolecules</i> , 2021, 54, 5683-5693.	4.8	13
25	The effect of hydrogen bonding on diffusion and permeability in UV-cured Polyacrylate-based networks for controlled release. <i>Journal of Controlled Release</i> , 2020, 327, 150-160.	9.9	12
26	Chain Entanglements and Interlamellar Links in Isotactic Polybutene-1: The Effect of Condis Crystals and Crystallization Temperature. <i>Macromolecules</i> , 2022, 55, 5636-5644.	4.8	12
27	Change of lamellar morphology upon polymorphic transition of form II to form I crystals in isotactic Polybutene-1 and its copolymer. <i>Polymer</i> , 2021, 215, 123355.	3.8	11
28	Polysiloxanes at the air/water interface and after transfer onto substrates. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1991, 46, 365-370.	0.6	10
29	Impact of morphology on O_2 permeability in silicone hydrogel membranes: new insights into domain percolation from experiments and simulations. <i>Journal of Membrane Science</i> , 2021, 621, 118970.	8.2	10
30	Real-Time NMR. How Fast Can We Do It?. <i>Macromolecular Symposia</i> , 2005, 230, 20-25.	0.7	8
31	Environmental stress cracking of polyethylene pipe: Changes in physical structures leading to failure. <i>Polymer</i> , 2022, 252, 124938.	3.8	7
32	Effect of H-bonding on network junction and macroscopic elastomer properties in photocured polyacrylate films. <i>Materials Chemistry Frontiers</i> , 2022, 6, 990-1004.	5.9	2