

Valeria Arrighi

List of Publications by Year in descending order

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times ranked

2442
citing authors

#	ARTICLE	IF	CITATIONS
1	Local Effects of Ring Topology Observed in Polymer Conformation and Dynamics by Neutron Scattering—A Review. <i>Polymers</i> , 2020, 12, 1884.	2.0	13
2	The Effect of the Isomeric Chlorine Substitutions on the Honeycomb-Patterned Films of Poly(<i>x</i> -chlorostyrene)s/Polystyrene Blends and Copolymers via Static Breath Figure Technique. <i>Materials</i> , 2019, 12, 167.	1.3	2
3	One step preparation of copper—silver self-catalyzed hybrid conductive ink with reduced sintering temperature for flexible electronics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 11607-11618.	1.1	12
4	Silver Oxalate Ink with Low Sintering Temperature and Good Electrical Property. <i>Journal of Electronic Materials</i> , 2018, 47, 2824-2835.	1.0	18
5	Properties of partially denatured whey protein products: Viscoelastic properties. <i>Food Hydrocolloids</i> , 2018, 80, 298-308.	5.6	18
6	Efficient defluoridation of water by Monetite nanorods. <i>Adsorption</i> , 2018, 24, 135-145.	1.4	16
7	An organic silver complex conductive ink using both decomposition and self-reduction mechanisms in film formation. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2771-2783.	1.1	28
8	Effects of amine types on the properties of silver oxalate ink and the associated film morphology. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20895-20906.	1.1	16
9	Effect of Chain Length and Topological Constraints on Segmental Relaxation in Cyclic PDMS. <i>Macromolecules</i> , 2018, 51, 7209-7223.	2.2	14
10	Polymer-Supported Photosensitizers for Oxidative Organic Transformations in Flow and under Visible Light Irradiation. <i>ACS Catalysis</i> , 2017, 7, 4602-4612.	5.5	70
11	One step synthesis of a hybrid Ag/rGO conductive ink using a complexation—covalent bonding based approach. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 8218-8230.	1.1	12
12	Photoactive and metal-free polyamide-based polymers for water and wastewater treatment under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2016, 193, 226-233.	10.8	46
13	BODIPY-based conjugated microporous polymers as reusable heterogeneous photosensitisers in a photochemical flow reactor. <i>Polymer Chemistry</i> , 2016, 7, 6662-6670.	1.9	51
14	Effect of humic substances aggregation on the determination of fluoride in water using an ion selective electrode. <i>Chemosphere</i> , 2016, 159, 66-71.	4.2	24
15	Properties of partially denatured whey protein products 2: Solution flow properties. <i>Food Hydrocolloids</i> , 2016, 56, 218-226.	5.6	25
16	Properties of partially denatured whey protein products: Formation and characterisation of structure. <i>Food Hydrocolloids</i> , 2016, 52, 95-105.	5.6	31
17	Microstructure and electrical property of copper films on a flexible substrate formed by an organic ink with 9.6% of Cu content. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 8973-8982.	1.1	19
18	Microwave and thermal curing of an epoxy resin for microelectronic applications. <i>Thermochimica Acta</i> , 2015, 616, 100-109.	1.2	40

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19	Physical Aging of Polymer Blends. , 2014, , 1357-1394.		9
20	Synthesis and cellular compatibility of multi-block biodegradable poly(μ -caprolactone)-based polyurethanes. Journal of Materials Chemistry B, 2013, 1, 2590.	2.9	19
21	Molar Mass Dependence of Polyethylene Chain Dynamics. A Quasi-Elastic Neutron Scattering Investigation. Macromolecules, 2013, 46, 216-225.	2.2	9
22	Using Short Videos To Supplement Lectures on Reaction Mechanisms, Organic Spectroscopy, and Polymer Chemistry. ACS Symposium Series, 2012, , 209-224.	0.5	5
23	Continuum lumping modelling for step growth polymerisation mechanism. Chemical Engineering Research and Design, 2012, 90, 2287-2292.	2.7	2
24	Electrochemical synthesis of ammonia based on a carbonate-oxide composite electrolyte. Solid State Ionics, 2011, 182, 133-138.	1.3	84
25	Temperature Dependence of the Primary Relaxation in 1-Hexyl-3-methylimidazolium bis{(trifluoromethyl)sulfonyl}imide. Journal of Physical Chemistry B, 2009, 113, 8469-8474.	1.2	76
26	Interpolymer complexation and thermal behaviour of poly(styrene-co-maleic acid)/poly(vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T	1.2	11
27	Interpolymer complexation in hydrolysed poly(styrene-co-maleic Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 422 Td (anhydride)/p	2.6	14
28	Toward a Universal Approach To Enable Transfer of Equilibrium Constants in Hydrogen-Bonded Blends. Macromolecules, 2008, 41, 3769-3771.	2.2	1
29	Fast and Slow Dynamics of Isotactic Polypropylene Melts. Macromolecules, 2008, 41, 1560-1564.	2.2	8
30	Anharmonic Behavior in the Multisubunit Protein Apoferritin as Revealed by Quasi-Elastic Neutron Scattering. Journal of Physical Chemistry B, 2008, 112, 10873-10878.	1.2	8
31	Miscibility Study of Stereoregular Poly(methyl methacrylate) Blends. Experimental Determination of Phase Diagrams and Predictions. Macromolecules, 2007, 40, 1667-1674.	2.2	11
32	New polymeric materials for paper and textiles conservation. II. Grafting polymerization of ethyl acrylate/methyl methacrylate copolymers onto linen and cotton. Journal of Applied Polymer Science, 2007, 103, 90-99.	1.3	29
33	Miscibility of blends of bisphenolâ€Aâ€polycarbonate and poly(styreneâ€co</i></i>â€acrylonitrileâ€co</i></i>â€hydroxystyrene) terpolymer. Journal of Applied Polymer Science, 2007, 106, 944-949.	1.3	5
34	An Improved Algorithm for the Fourier Integral of the KWW Function and Its Application to Neutron Scattering and Dielectric Data. Journal of Macromolecular Science - Physics, 2006, 45, 1065-1081.	0.4	9
35	Physical ageing in poly(4-hydroxy styrene)/poly(vinyl methyl ether) blends. Polymer International, 2006, 55, 749-756.	1.6	11
36	Quasielastic neutron scattering measurements of fast process and methyl group dynamics in glassy poly(vinyl acetate). Chemical Physics, 2006, 328, 53-63.	0.9	12

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37	New polymeric materials for paper and textile conservation. I. Synthesis and characterization of acrylic copolymers. <i>Journal of Applied Polymer Science</i> , 2005, 98, 1157-1164.	1.3	24
38	Enthalpy Relaxation in Poly(4-hydroxystyrene)/Poly(methyl methacrylate) Blends. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 767-776.	1.1	10
39	Enthalpy relaxation and free volume changes in aged styrene copolymers containing a hydrogen bonding co-monomer. <i>Journal of Materials Science</i> , 2005, 40, 1869-1881.	1.7	36
40	Thermal characterisation of cellulose based materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 80, 369-373.	2.0	16
41	On the difference in scattering behavior of cyclic and linear polymers in bulk. <i>Journal of Chemical Physics</i> , 2005, 122, 064904.	1.2	34
42	Structural investigation of polymers by neutron scattering. <i>Plastics, Rubber and Composites</i> , 2004, 33, 313-330.	0.9	6
43	Order in amorphous di-n-alkyl itaconate polymers, copolymers, and blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 4000-4016.	2.4	5
44	Kinetics of phase separation of poly(styrene-co-methyl methacrylate) and poly(styrene-co-acrylonitrile) blends. <i>Polymer International</i> , 2004, 53, 1686-1692.	1.6	4
45	Nanophase-separated regions and side-chain relaxation in dialkyl itaconate copolymers. <i>Journal of Materials Chemistry</i> , 2004, 14, 3306.	6.7	6
46	Conformation of Cyclics and Linear Chain Polymers in Bulk by SANS. <i>Macromolecules</i> , 2004, 37, 8057-8065.	2.2	117
47	Dielectric Relaxations in Poly(di-n-alkyl itaconate)s. <i>Macromolecules</i> , 2004, 37, 6210-6218.	2.2	27
48	Order in poly(di-n-alkyl itaconate)s revealed by X-ray scattering experiments. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 200, 411-415.	0.6	3
49	The glass transition and interfacial layer in styrene-butadiene rubber containing silica nanofiller. <i>Polymer</i> , 2003, 44, 6259-6266.	1.8	245
50	The dynamic structure factor in non-entangled polymer melts " theoretical results for real chains and the stretched exponential approximation. <i>Chemical Physics</i> , 2003, 287, 391-398.	0.9	3
51	The dynamic structure factor in non-entangled polymer melts " theoretical results for real chains and the stretched exponential approximation. <i>Chemical Physics</i> , 2003, 292, 347-354.	0.9	0
52	A Unified Picture of the Local Dynamics of Poly(dimethylsiloxane) across the Melting Point. <i>Macromolecules</i> , 2003, 36, 8738-8748.	2.2	33
53	New Interpretation of Local Dynamics of Poly(Dimethyl Siloxane) Observed by Quasielastic Neutron Scattering. <i>Physical Review Letters</i> , 2003, 90, 058301.	2.9	19
54	Local Dynamics of Polyethylene and Its Oligomers: A Molecular Dynamics Interpretation of the Incoherent Dynamic Structure Factor. <i>Macromolecules</i> , 2003, 36, 8864-8875.	2.2	12

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55	Effect of tacticity on the local dynamics of polypropylene melts. <i>Journal of Chemical Physics</i> , 2003, 119, 1271-1278.	1.2	26
56	Quasielastic neutron scattering characterization of the relaxation processes in a room temperature ionic liquid. <i>Journal of Chemical Physics</i> , 2003, 119, 8549-8557.	1.2	122
57	Complex Dynamics in Polyisobutylene Melts. <i>Macromolecules</i> , 2002, 35, 7039-7043.	2.2	16
58	Fine Structure and Optical Properties of Cholesteric Films Prepared from Cellulose 4-Methylphenyl Urethane/N-Vinyl Pyrrolidinone Solutions. <i>Macromolecules</i> , 2002, 35, 7354-7360.	2.2	20
59	Segmental Dynamics of Atactic Polypropylene As Revealed by Molecular Simulations and Quasielastic Neutron Scattering. <i>Macromolecules</i> , 2002, 35, 7110-7124.	2.2	35
60	The stretched-exponential approximation to the dynamic structure factor in non-entangled polymer melts. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 3734-3742.	1.3	16
61	Temperature dependence of the segmental dynamics in polyisobutylene melts. <i>Journal of Non-Crystalline Solids</i> , 2002, 307-310, 654-657.	1.5	7
62	Conformation of cyclic and linear polydimethylsiloxane in the melt: a small-angle neutron-scattering study. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s469-s471.	1.1	12
63	Dynamic studies of poly(di-n-alkyl itaconate)s. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s466-s468.	1.1	4
64	SANS studies of solutions and molecular composites prepared from cellulose tricarbonyl. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s472-s474.	1.1	1
65	Segmental dynamics in polymer electrolytes. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s493-s495.	1.1	10
66	QENS investigation of filled rubbers. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s490-s492.	1.1	11
67	Phase behaviour of SMMA and SAN blends using Flory's equation of state theory. <i>Polymer</i> , 2002, 43, 6661-6667.	1.8	8
68	Structural and dynamical characterization of melt PEO salt mixtures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 304, 308-313.	1.2	11
69	Ester methyl group dynamics in the poly(methyl methacrylate) stereocomplex: a neutron scattering study. <i>Macromolecular Symposia</i> , 2001, 166, 269-276.	0.4	2
70	Lyotropic liquid crystalline cellulose derivatives in blends and molecular composites. <i>Polymer</i> , 2001, 42, 9657-9663.	1.8	13
71	Local dynamics of atactic polypropylene across the glass transition. <i>Physica B: Condensed Matter</i> , 2001, 301, 35-43.	1.3	18
72	Restricted dynamics in polymer-filler systems. <i>Physica B: Condensed Matter</i> , 2001, 301, 110-114.	1.3	54

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73	Temperature dependence of local chain dynamics in atactic polypropylene: a neutron spin-echo study. <i>Physica B: Condensed Matter</i> , 2001, 301, 157-162.	1.3	9
74	Dynamic heterogeneity in polymer electrolytes. Comparison between QENS data and MD simulations. <i>Physica B: Condensed Matter</i> , 2001, 301, 163-167.	1.3	33
75	Lyotropic liquid crystalline cellulose derivatives in blends and molecular composites. <i>Macromolecular Symposia</i> , 2000, 152, 107-116.	0.4	6
76	Short-range order in blends of polycarbonates with polystyrenes. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 849-851.	1.3	2
77	QENS from polymer aggregates in supercritical CO ₂ . <i>Physica B: Condensed Matter</i> , 2000, 276-278, 386-387.	1.3	5
78	QENS from polymeric micelles in supercritical CO ₂ . <i>AIP Conference Proceedings</i> , 2000, , .	0.3	2
79	Observation of Local Order in Poly(di-n-alkyl itaconate)s. <i>Macromolecules</i> , 2000, 33, 4989-4991.	2.2	57
80	Molecular dynamics of main-chain liquid crystalline polymers. <i>Physica B: Condensed Matter</i> , 1999, 266, 1-12.	1.3	6
81	Miscibility of polymer blends of poly(styrene-co-4-hydroxystyrene) with bisphenol-A polycarbonate. <i>Journal of Applied Polymer Science</i> , 1999, 74, 639-646.	1.3	14
82	Quasielastic neutron scattering study of poly(dimethyl siloxane) at high pressure. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 137-141.	1.3	2
83	Local dynamics of poly(dimethyl siloxane) in the presence of reinforcing filler particles. <i>Polymer</i> , 1998, 39, 6369-6376.	1.8	83
84	Molecular dynamics of a main-chain liquid crystalline polyester below the crystalline to nematic phase transition. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 1605-1612.	1.7	13
85	Side group rotations in amorphous polymers. <i>Physica B: Condensed Matter</i> , 1996, 226, 1-9.	1.3	22
86	Characterization of a main-chain semiflexible liquid crystalline polymer: degree of orientational order. <i>Polymer</i> , 1996, 37, 141-148.	1.8	9
87	Rotation of Methyl Side Groups in Polymers: A Fourier Transform Approach to Quasielastic Neutron Scattering. 1. Homopolymers. <i>Macromolecules</i> , 1995, 28, 2745-2753.	2.2	52
88	Rotation of Methyl Side Groups in Polymers: A Fourier Transform Approach to Quasielastic Neutron Scattering. 2. Polymer Blends. <i>Macromolecules</i> , 1995, 28, 4622-4630.	2.2	22
89	Neutron scattering as a tool for observing mixing and demixing in a polymer blend. <i>Neutron News</i> , 1994, 5, 15-20.	0.1	0
90	Phase behaviour and orientational order of a main-chain nematic polyester: a combined SANS and NMR study. <i>European Polymer Journal</i> , 1993, 29, 175-181.	2.6	13

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91	A small-angle neutron scattering study of a semiflexible main-chain liquid crystalline copolyester. <i>Macromolecules</i> , 1992, 25, 5297-5305.	2.2	43
92	Deuterium NMR investigation of a new class of macrocyclic columnar liquid crystal. <i>Liquid Crystals</i> , 1991, 9, 277-284.	0.9	29