

Dimitri A Ivanov

List of Publications by Year in descending order

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203
papers

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docs citations

206
times ranked

6309
citing authors

#	ARTICLE	IF	CITATIONS
1	Chameleon-like elastomers with molecularly encoded strain-adaptive stiffening and coloration. <i>Science</i> , 2018, 359, 1509-1513.	12.6	345
2	High Charge-Carrier Mobility in π -Deficient Discotic Mesogens: Design and Structure-Property Relationship. <i>Chemistry - A European Journal</i> , 2005, 11, 3349-3362.	3.3	168
3	Tailoring Discotic Mesophases: Columnar Order Enforced with Hydrogen Bonds. <i>Advanced Materials</i> , 2003, 15, 1614-1618.	21.0	166
4	High Conductivity in Molecularly π -Doped Diketopyrrolopyrrole-Based Polymer: The Impact of a High Dopant Strength and Good Structural Order. <i>Advanced Materials</i> , 2016, 28, 6003-6010.	21.0	130
5	Impact of the Alkyl Side Chains on the Optoelectronic Properties of a Series of Photovoltaic Low-Band-Gap Copolymers. <i>Macromolecules</i> , 2010, 43, 9779-9786.	4.8	122
6	Real-Time Evolution of the Lamellar Organization of Poly(ethylene terephthalate) during Crystallization from the Melt: A High-Temperature Atomic Force Microscopy Study. <i>Macromolecules</i> , 2001, 34, 8944-8952.	4.8	113
7	Self-Assembling of Novel Fullerene-Grafted Donor-Acceptor Rod-Coil Block Copolymers. <i>Macromolecules</i> , 2008, 41, 2701-2710.	4.8	113
8	Evolution of the Lamellar Structure during Crystallization of a Semicrystalline-Amorphous Polymer Blend: Time-Resolved Hot-Stage SPM Study. <i>Physical Review Letters</i> , 2000, 85, 5587-5590.	7.8	100
9	Chain Unfolding in Single Crystals of Ultralong Alkane C ₃₉₀ H ₇₈₂ and Polyethylene: An Atomic Force Microscopy Study. <i>Macromolecules</i> , 2003, 36, 5637-5649.	4.8	81
10	Discotic mesogens with potential electron carrier properties. <i>Chemical Communications</i> , 2001, , 2074.	4.1	76
11	Design of indigo derivatives as environment-friendly organic semiconductors for sustainable organic electronics. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7621-7631.	5.5	76
12	Reactivity of Carbon Nanofibers with Fluorine Gas. <i>Chemistry of Materials</i> , 2007, 19, 161-172.	6.7	73
13	Crystallization of Molecular Brushes with Block Copolymer Side Chains. <i>Macromolecules</i> , 2009, 42, 9008-9017.	4.8	70
14	Multiaarm Molecular Brushes: Effect of the Number of Arms on the Molecular Weight Polydispersity and Surface Ordering. <i>Langmuir</i> , 2004, 20, 6005-6011.	3.5	69
15	Exploring the Origin of Crystalline Lamella Twist in Semi-Rigid Chain Polymers: the Model of Keith and Padden revisited. <i>Macromolecules</i> , 2012, 45, 7454-7460.	4.8	69
16	Overcoming the Thermal Instability of Efficient Polymer Solar Cells by Employing Novel Fullerene-Based Acceptors. <i>Advanced Energy Materials</i> , 2017, 7, 1601204.	19.5	69
17	Homeotropic Alignment of Columnar Liquid Crystals in Open Films by Means of Surface Nanopatterning. <i>Advanced Materials</i> , 2007, 19, 815-820.	21.0	68
18	A Novel View on Crystallization and Melting of Semirigid Chain Polymers: The Case of Poly(trimethylene terephthalate). <i>Macromolecules</i> , 2008, 41, 9224-9233.	4.8	66

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19	Self-Organization of Polybases Neutralized with Mesogenic Wedge-Shaped Sulfonic Acid Molecules: An Approach toward Supramolecular Cylinders. <i>Journal of the American Chemical Society</i> , 2006, 128, 16928-16937.	13.7	65
20	From Channel-Forming Ionic Liquid Crystals Exhibiting Humidity-Induced Phase Transitions to Nanostructured Ion-Conducting Polymer Membranes. <i>Advanced Materials</i> , 2013, 25, 3543-3548.	21.0	65
21	Encoding crystal microstructure and chain folding in the chemical structure of synthetic polymers. <i>Nature Materials</i> , 2004, 3, 33-37.	27.5	63
22	Microfluidics in biotechnology. <i>Journal of Nanobiotechnology</i> , 2004, 2, 2.	9.1	63
23	Poly(ethylene oxide) Crystallization within a One-Dimensional Defect-Free Confinement on the Nanoscale. <i>Macromolecules</i> , 2008, 41, 4794-4801.	4.8	59
24	Polyethylene/carbon nanotube nano hybrid shish-kebab obtained by solvent evaporation and thin-film crystallization. <i>Polymer</i> , 2011, 52, 3633-3638.	3.8	59
25	Direct Observation of Crystal-Amorphous Interphase in Lamellar Semicrystalline Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock	4.8	58
26	Effect of the Soluble Block Size on Spherical Diblock Copolymer Micelles. <i>Macromolecules</i> , 2008, 41, 6555-6563.	4.8	58
27	Micromechanical Properties of "Smart" Gels: Studies by Scanning Force and Scanning Electron Microscopy of PNIPAAm. <i>Journal of Physical Chemistry B</i> , 2002, 106, 2861-2866.	2.6	57
28	Semiflexible Star-Shaped Mesogens as Nonconventional Columnar Liquid Crystals. <i>Chemistry of Materials</i> , 2004, 16, 374-376.	6.7	56
29	Comparative Study of SWCNT Fluorination by Atomic and Molecular Fluorine. <i>Chemistry of Materials</i> , 2012, 24, 1744-1751.	6.7	56
30	Solution-Processable Septithiophene Monolayer Transistor. <i>Advanced Materials</i> , 2012, 24, 973-978.	21.0	56
31	High-resolution thermal imaging with a combination of nano-focus X-ray diffraction and ultra-fast chip calorimetry. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 223-228.	2.4	56
32	Bottlebrush Bridge between Soft Gels and Firm Tissues. <i>ACS Central Science</i> , 2020, 6, 413-419.	11.3	56
33	Injectable bottlebrush hydrogels with tissue-mimetic mechanical properties. <i>Science Advances</i> , 2022, 8, eabm2469.	10.3	53
34	Synthesis, Morphology, and Properties of Segmented Poly(ether amide)s with Uniform Oxalamide-Based Hard Segments. <i>Macromolecules</i> , 2012, 45, 3948-3961.	4.8	52
35	Light-Switchable Vesicles from Liquid-Crystalline Homopolymer-Surfactant Complexes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11616-11619.	13.8	51
36	Superhydrophobic Surfaces from Various Polypropylenes. <i>Langmuir</i> , 2008, 24, 9508-9514.	3.5	50

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37	Molecularly Smooth Single-Crystalline Films of Thiophene-Phenylene Co-Oligomers Grown at the Gas-Liquid Interface. <i>Crystal Growth and Design</i> , 2014, 14, 1726-1737.	3.0	49
38	Tailoring the Thermotropic Behavior of Tetra-Substituted Phthalocyanines via the Lateral Chains Architecture. <i>Chemistry of Materials</i> , 2005, 17, 2825-2832.	6.7	48
39	Re-exploring the double-melting behavior of semirigid-chain polymers with an in-situ combination of synchrotron nano-focus X-ray scattering and nanocalorimetry. <i>European Polymer Journal</i> , 2016, 81, 598-606.	5.4	48
40	Switching Chirality of Hybrid Left-Right Crystalline Helicoids Built of Achiral Polymer Chains: When Right to Left Becomes Left to Right. <i>Macromolecules</i> , 2014, 47, 8295-8304.	4.8	47
41	Isothermal Growth and Reorganization upon Heating of a Single Poly(aryl ether ether ketone) (PEEK) Spherulite, As Imaged by Atomic Force Microscopy. <i>Macromolecules</i> , 1998, 31, 4546-4550.	4.8	46
42	Morphology and Melting of Truncated Single Crystals of Linear Polyethylene. <i>Macromolecules</i> , 2003, 36, 8376-8384.	4.8	46
43	Interdependencies between the Evolution of Amorphous and Crystalline Regions during Isothermal Cold Crystallization of Poly(ether ether ketone). <i>Macromolecules</i> , 1999, 32, 1582-1592.	4.8	45
44	Unprecedented Route to Ordered Polyaniline: Direct Synthesis of Highly Crystalline Fibrillar Films with Strong π - π Stacking Alignment. <i>Macromolecular Rapid Communications</i> , 2009, 30, 29-33.	3.9	42
45	Carbon nanofibres fluorinated using TbF ₄ as fluorinating agent. Part I: Structural properties. <i>Carbon</i> , 2008, 46, 1010-1016.	10.3	41
46	Towards understanding the behavior of indigo thin films in organic field-effect transistors: a template effect of the aliphatic hydrocarbon dielectric on the crystal structure and electrical performance of the semiconductor. <i>Chemical Communications</i> , 2014, 50, 7639.	4.1	40
47	Multiblock copolymer behaviour of β -CD/PEO-based polyrotaxanes: towards nano-cylinder self-organization of β -CDs. <i>Soft Matter</i> , 2008, 4, 1855.	2.7	39
48	Intertwined Lamello-Columnar Coassemblies in Liquid-Crystalline Side-Chain β -Conjugated Polymers: Toward a New Class of Nanostructured Supramolecular Organic Semiconductors. <i>Macromolecules</i> , 2014, 47, 1715-1731.	4.8	38
49	The Semicrystalline Morphology of Poly(ether ether ketone) Blends with Poly(ether imide). <i>Macromolecules</i> , 1998, 31, 5352-5362.	4.8	37
50	Synthesis and properties of new nitrogen-doped nanostructured carbon materials obtained by templating of mesoporous silicas with aminosugars. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1808-1814.	4.0	35
51	Understanding the correlation and balance between the miscibility and optoelectronic properties of polymer-fullerene solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17570-17579.	10.3	35
52	Characterization of explosives traces by the Nanocalorimetry. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 114-118.	4.0	34
53	Correlation between mechanical properties and orientation of the crystalline and mesomorphic phases in isotactic polypropylene fibers. <i>Polymer</i> , 2011, 52, 5630-5643.	3.8	34
54	Smart Energetic Nanosized Co-Crystals: Exploring Fast Structure Formation and Decomposition. <i>Crystal Growth and Design</i> , 2016, 16, 432-439.	3.0	34

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55	Nanosized components of energetic systems: Structure, thermal behavior, and combustion. <i>Combustion, Explosion and Shock Waves</i> , 2007, 43, 51-55.	0.8	33
56	On the Nature of Chirality Imparted to Achiral Polymers by the Crystallization Process. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8881-8885.	13.8	32
57	Face-on orientation of fluorinated polymers conveyed by long alkyl chains: a prerequisite for high photovoltaic performances. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12038-12045.	10.3	32
58	Strained Bottlebrushes in Super-Soft Physical Networks. <i>ACS Macro Letters</i> , 2019, 8, 530-534.	4.8	32
59	Discotic Liquid Crystals as Electron Carrier Materials. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 396, 35-39.	0.9	31
60	Effect of Molecular Structure of β -Dialkylquaterthiophenes and Their Organosilicon Multipods on Ordering, Phase Behavior, and Charge Carrier Mobility. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22727-22736.	3.1	31
61	Atomic force microscopy imaging of single polymer spherulites during crystallization: application to a semi-crystalline blend. <i>Polymer</i> , 1999, 40, 5899-5905.	3.8	30
62	New Star-shaped Mesogens with Three Different Arms on a 1,3,5-Benzene Core. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 411, 397-406.	0.9	29
63	Contact-Line Friction of Liquid Drops on Self-Assembled Monolayers: Chain-Length Effects. <i>Langmuir</i> , 2007, 23, 4695-4699.	3.5	29
64	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
65	Humidity-Modulated Phase Control and Nanoscopic Transport in Supramolecular Assemblies. <i>Journal of Physical Chemistry B</i> , 2014, 118, 3207-3217.	2.6	28
66	Exploring the melting of a semirigid-chain polymer with temperature-resolved small-angle X-ray scattering. <i>European Physical Journal E</i> , 2004, 13, 363-378.	1.6	27
67	Melting of Isochronously Decorated Single Crystals of Linear Polyethylene, As Monitored by Atomic Force Microscopy. <i>Macromolecules</i> , 2004, 37, 1-5.	4.8	27
68	Synthesis, morphology and properties of segmented poly(ether ester amide)s comprising uniform glycine or β -alanine extended bisoxalamide hard segments. <i>Polymer</i> , 2012, 53, 4033-4044.	3.8	27
69	Tissue-Adaptive Materials with Independently Regulated Modulus and Transition Temperature. <i>Advanced Materials</i> , 2020, 32, e2005314.	21.0	27
70	The crystallization of poly(aryl-ether-ether-ketone) (PEEK): reorganization processes during gradual reheating of cold-crystallized samples. <i>Polymer</i> , 2000, 41, 3719-3727.	3.8	26
71	A supramolecular structure with an alternating arrangement of donors and acceptors constructed by a trans-di-C60-substituted Zn porphyrin derivative in the solid state. <i>Soft Matter</i> , 2011, 7, 6135.	2.7	26
72	The synthesis of multilayer graphene materials by the fluorination of carbon nanodiscs/nanocones. <i>Carbon</i> , 2012, 50, 3897-3908.	10.3	26

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73	Integrated molecular, morphological and interfacial engineering towards highly efficient and stable solution-processed small molecule solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22695-22707.	10.3	26
74	Templating Crystal Growth at the Nanometer-Scale with a Monotropic Columnar Mesophase. <i>Advanced Materials</i> , 2005, 17, 671-676.	21.0	25
75	Nano-structured polymer blends: phase structure, crystallisation behaviour and semi-crystalline morphology of phase separated binary blends of poly(ethylene oxide) and poly(ether sulphone). <i>Polymer</i> , 2000, 41, 1395-1407.	3.8	24
76	Evaluation of the Ordering of Membranes in Multilayer Stacks Built on an ATR-FTIR Germanium Crystal with Atomic Force Microscopy: The Case of the H ⁺ ,K ⁺ -ATPase-containing Gastric Tubulovesicle Membranes. <i>Biophysical Journal</i> , 2004, 87, 1307-1315.	0.5	24
77	Mesomorphism, Polymorphism, and Semicrystalline Morphology of Poly(Di-n-propylsiloxane). <i>Macromolecules</i> , 2006, 39, 988-999.	4.8	24
78	Fine Tuning of Solid-State Properties of Septithiophenes by Tailoring the Substituents. <i>Chemistry of Materials</i> , 2010, 22, 2079-2092.	6.7	24
79	Thermal Transformations of Self-Assembled Gold Glyconanoparticles Probed by Combined Nanocalorimetry and X-ray Nanobeam Scattering. <i>Langmuir</i> , 2015, 31, 529-534.	3.5	24
80	Photo-Orientation Phenomena in Photochromic Liquid Crystalline Azobenzene-Containing Polymethacrylates with Different Spacer Length. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700127.	2.2	23
81	What Thermal Analysis Can Tell Us About Melting of Semicrystalline Polymers: Exploring the General Validity of the Technique. <i>ACS Macro Letters</i> , 2018, 7, 1426-1431.	4.8	23
82	Microstructure and Optoelectronic Properties of P3HT- <i>b</i> -P4VP/PCBM Blends: Impact of PCBM on the Copolymer Self-Assembly. <i>Macromolecules</i> , 2013, 46, 8824-8831.	4.8	22
83	Structure formation and hydrogen bonding in all-aliphatic segmented copolymers with uniform hard segments. <i>Acta Biomaterialia</i> , 2013, 9, 6143-6149.	8.3	20
84	Tailoring the microstructure and charge transport in conjugated polymers by alkyl side-chain engineering. <i>Journal of Materials Chemistry C</i> , 2016, 4, 286-294.	5.5	19
85	Photo-optical properties of amorphous and crystalline films of azobenzene-containing photochromes with bent-shaped molecular structure. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 316, 75-87.	3.9	19
86	Vitrification/devitrification phenomena during isothermal and nonisothermal crystallization of poly(aryl-ether-ether-ketone) (PEEK) and PEEK/poly(ether-imide) blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998, 36, 919-930.	2.1	18
87	Atomic Force Microscopy Studies of Semicrystalline Polymers at Variable Temperature. <i>Lecture Notes in Physics</i> , 2003, , 98-130.	0.7	18
88	Morphology of Injection-Molded Isotactic Polypropylene/Silica Composites Prepared via <i>in-Situ</i> Sol ^â Gel Technology. <i>Macromolecules</i> , 2010, 43, 6067-6074.	4.8	18
89	Quantum dots improve peptide detection in MALDI MS in a size dependent manner. <i>Journal of Nanobiotechnology</i> , 2009, 7, 10.	9.1	17
90	Structure and optical properties of thin poly(p-xylylene) " Silver nanocomposite films prepared by low-temperature vapor deposition polymerization. <i>Polymer</i> , 2015, 71, 60-69.	3.8	17

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91	Tuning the properties of electrospun polylactide mats by ethanol treatment. <i>Materials and Design</i> , 2019, 181, 108061.	7.0	17
92	Thin Films of a Main-Chain Columnar Liquid Crystal: Studies of Structure, Phase Transitions, and Alignment. <i>Macromolecules</i> , 2009, 42, 3500-3509.	4.8	16
93	From Channel-Forming Ionic Liquid Crystals Exhibiting Humidity-Induced Phase Transitions to Nanostructured Ion-Conducting Polymer Membranes (<i>Adv. Mater.</i> 26/2013). <i>Advanced Materials</i> , 2013, 25, 3542-3542.	21.0	16
94	Liquid crystalline side-chain triblock copolymers consisting of a nematic central subblock edged by photochromic azobenzene-containing fragments: their synthesis, structure and photooptical behaviour. <i>Polymer Chemistry</i> , 2015, 6, 6358-6371.	3.9	16
95	Brush Architecture and Network Elasticity: Path to the Design of Mechanically Diverse Elastomers. <i>Macromolecules</i> , 2022, 55, 2940-2951.	4.8	16
96	Modulated magnetic structure in quasi-one-dimensional clinopyroxene NaFeGe ₂ O ₆ . <i>Journal of Experimental and Theoretical Physics</i> , 2011, 112, 121-126.	0.9	15
97	A Diacetylene-Containing Wedge-Shaped Compound: Synthesis, Morphology, and Photopolymerization. <i>Chemistry - A European Journal</i> , 2013, 19, 4300-4307.	3.3	15
98	Multilamellar Thermoresponsive Emulsions Stabilized with Biocompatible Semicrystalline Block Copolymers. <i>ACS Macro Letters</i> , 2016, 5, 163-167.	4.8	15
99	Independently Tuning Elastomer Softness and Firmness by Incorporating Side Chain Mixtures into Bottlebrush Network Strands. <i>Macromolecules</i> , 2020, 53, 9306-9312.	4.8	15
100	Perfluorosulfonic acid ionomer "silica composite membranes prepared using hyperbranched polyethoxysiloxane for polymer electrolyte membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 14454-14462.	7.1	14
101	Disubstituted perylene diimides in organic field-effect transistors: Effect of the alkyl side chains and thermal annealing on the device performance. <i>Organic Electronics</i> , 2018, 58, 257-262.	2.6	14
102	Microbeam X-ray diffraction from twisted lamellar crystals: theory and computer simulation. <i>Journal of Applied Crystallography</i> , 2009, 42, 673-680.	4.5	13
103	Monoparticulate films of polyaniline. <i>Thin Solid Films</i> , 2009, 517, 5459-5463.	1.8	13
104	Self-assembled structures formed by a wedge-shaped molecule in 2D and 3D: the role of flexible side chains and polar head groups. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1444-1452.	2.8	13
105	Microstructure of Banded Polymer Spherulites: Studies with Micro-Focus X-ray Diffraction. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 14, 012014.	0.6	13
106	Non-Radial Growth of Helical Homopolymer Crystals: Breaking the Paradigm of the Polymer Spherulite Microstructure. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1815-1819.	3.9	13
107	Tailoring of mechanical properties of derivatized natural polyamino acids through esterification and tensile deformation. <i>RSC Advances</i> , 2014, 4, 2096-2102.	3.6	13
108	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

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109	Synthesis, Molecular Characterization, and Phase Behavior of Miktoarm Star Copolymers of the AB _n and A _n B ($n = 2$ or 3) Sequences, Where A Is Polystyrene and B Is Poly(dimethylsiloxane). <i>Macromolecules</i> , 2022, 55, 88-99.	4.8	13
110	Rapidly Cooled Polyethylenes: On the Thermal Stability of the Semicrystalline Morphology. <i>Macromolecules</i> , 2006, 39, 8399-8411.	4.8	12
111	Role of Columnar Mesophase in the Morphological Evolution of Polymer Single Crystals upon Heating: A Combined Atomic Force Microscopy and Electron Diffraction Study. <i>Macromolecules</i> , 2006, 39, 978-987.	4.8	12
112	Bottom-Up Fabrication of Nanostructured Bicontinuous and Hexagonal Ion-Conducting Polymer Membranes. <i>Macromolecules</i> , 2017, 50, 5392-5401.	4.8	12
113	Comparative structural study of thin films of a columnar liquid crystal aligned by mechanical shearing and zone casting. <i>Thin Solid Films</i> , 2008, 517, 982-985.	1.8	11
114	Effect of Axial Interactions on the Formation of Mesophases: Comparison of the Phase Behavior of Dialkyl 2,2'-bipyridyl-4,4'-dicarboxylate Complexes of Pt(II), Pt(IV), and Pt(II)/Pt(IV) Molecular Alloys. <i>Chemistry of Materials</i> , 2012, 24, 4517-4530.	6.7	11
115	Primary Chemical Sequence Ultimately Determines Crystal Thickness in Segmented All-Aliphatic Copolymers. <i>Macromolecules</i> , 2014, 47, 7890-7899.	4.8	11
116	The impact of molecular weight, air exposure and molecular doping on the charge transport properties and electronic defects in dithienyl-diketopyrrolopyrrole-thieno[3,2-b]thiophene copolymers. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10827-10838.	5.5	11
117	Polymerizable wedge-shaped ionic liquid crystals for fabrication of ion-conducting membranes: Impact of the counterion on the phase structure and conductivity. <i>European Polymer Journal</i> , 2016, 81, 674-685.	5.4	11
118	Transmission electron microscopy studies on selectively stained poly(aryl-ether-ether-ketone)/poly(ether-imide) semicrystalline blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997, 35, 2565-2570.	2.1	10
119	Microstructure of Banded Polymer Spherulites: New Insights from Synchrotron Nanofocus X-Ray Scattering. <i>Advances in Polymer Science</i> , 2016, , 95-126.	0.8	10
120	Synthesis and photostability of 1,4-bis(5-phenyloxazol-2-yl)benzene (POPOP) structural isomers and their trimethylsilyl derivatives. <i>Dyes and Pigments</i> , 2017, 141, 128-136.	3.7	10
121	Physical Gels Based on Polyrotaxanes: Kinetics of the Gelation, and Relative Contributions of β -Cyclodextrin and Poly(ethylene oxide) to the Gel Cohesion. <i>Macromolecular Symposia</i> , 2010, 291-292, 202-211.	0.7	9
122	A study of p-xylene polymerization kinetics using high-vacuum in situ differential scanning calorimetry. <i>Thermochimica Acta</i> , 2016, 643, 65-72.	2.7	9
123	Reorganization of semicrystalline polymers on heating: Analyzing common misconceptions in the interpretation of calorimetric data. Response on the "Comment on Re-exploring the double-melting behavior of semirigid-chain polymers with an in-situ combination of synchrotron nanofocus X-ray scattering and nanocalorimetry" by Dimitri A. Ivanov et al. [<i>Euro. Polym. J.</i> 81 (2016) 598-606]. <i>European Polymer Journal</i> , 2017, 84, 517-523.	5.4	9
124	Ammonium Form of Nafion Plasticized by Dimethyl Sulfoxide. <i>Journal of the Electrochemical Society</i> , 2019, 166, F3216-F3226.	2.9	9
125	The effect of separation of blocks on the crystallization kinetics and phase composition of poly(butylene adipate) in multi-block thermoplastic polyurethanes. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 902-913.	2.8	9
126	Concurrent Order in a Semi-Crystalline Diblock Copolymer Involving Complexation with a Mesogen. <i>Macromolecules</i> , 2013, 46, 6159-6168.	4.8	8

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127	A study of p-xylylene polymerization kinetics by isoconversional analysis. <i>Thermochimica Acta</i> , 2013, 573, 175-180.	2.7	8
128	Synthesis and properties of polyvinylpyrrolidone films containing iron nitrosyl complexes as nitric oxide (NO) donors with antitumor and antiseptic activities. <i>Russian Chemical Bulletin</i> , 2015, 64, 1616-1622.	1.5	8
129	Designing the topology of ion nano-channels in the mesophases of amphiphilic wedge-shaped molecules. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30240-30247.	2.8	8
130	Friction behaviour of TiAlN films around cubic/hexagonal transition: A 2D grazing incidence X-ray diffraction and electron energy loss spectroscopy study. <i>Thin Solid Films</i> , 2015, 577, 74-81.	1.8	8
131	Nanostructured Organosilicon Luminophores for Effective Light Conversion in Organic Light Emitting Diodes. <i>Organic Photonics and Photovoltaics</i> , 2015, 3, .	1.3	8
132	Design of an In Situ Setup Combining Nanocalorimetry and Nano- or Micro-focus X-Ray Scattering to Address Fast Structure Formation Processes. , 2016, , 299-326.		8
133	An "on/off" switchable cubic phase with exceptional thermal stability and water sorption capacity. <i>Chemical Communications</i> , 2017, 53, 13217-13220.	4.1	8
134	Impact of the solubility of organic semiconductors for solution-processable electronics on the structure formation: a real-time study of morphology and electrical properties. <i>Soft Matter</i> , 2018, 14, 2560-2566.	2.7	8
135	Synthesis and characterization of poly(ester amide amide)s of different alkylene chain lengths. <i>Polymer Bulletin</i> , 2019, 76, 495-509.	3.3	8
136	Alternating Gyroid Network Structure in an ABC Miktoarm Terpolymer Comprised of Polystyrene and Two Polydienes. <i>Nanomaterials</i> , 2020, 10, 1497.	4.1	8
137	Thermoanalytical studies on the curing of epoxy resin under the action of aqueous solutions of heteropolyacids of tungsten and molybdenum. <i>Journal of Thermal Analysis</i> , 1992, 38, 1061-1070.	0.6	7
138	Structure and phase behavior of a disk-necklace polymer: Cyclolinear polymethylsiloxane. <i>Polymer</i> , 2007, 48, 4837-4848.	3.8	7
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