

Jiri Brus

List of Publications by Year in descending order

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245
papers

5,886
citations

71102

41
h-index

128289

60
g-index

249
all docs

249
docs citations

249
times ranked

6626
citing authors

#	ARTICLE	IF	CITATIONS
1	A guest-assisted molecular-organization approach for >17% efficiency organic solar cells using environmentally friendly solvents. <i>Nature Energy</i> , 2021, 6, 1045-1053.	39.5	230
2	Heating of samples induced by fast magic-angle spinning. <i>Solid State Nuclear Magnetic Resonance</i> , 2000, 16, 151-160.	2.3	140
3	Preparation, structure and hydrothermal stability of alternative (sodium silicate-free) geopolymers. <i>Journal of Materials Science</i> , 2007, 42, 9267-9275.	3.7	135
4	Effect of Al ³⁺ Si ⁴⁺ Al and Al ³⁺ Si ⁴⁺ Si ⁴⁺ Al Pairs in the ZSM-5 Zeolite Framework on the ²⁷ Al NMR Spectra. A Combined High-Resolution ²⁷ Al NMR and DFT/MM Study. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1447-1458.	3.1	121
5	Structure and Dynamics of Alginate Gels Cross-Linked by Polyvalent Ions Probed via Solid State NMR Spectroscopy. <i>Biomacromolecules</i> , 2017, 18, 2478-2488.	5.4	115
6	Critical role of additive-induced molecular interaction on the operational stability of perovskite light-emitting diodes. <i>Joule</i> , 2021, 5, 618-630.	24.0	99
7	Formation of nanostructured epoxy networks containing polyhedral oligomeric silsesquioxane (POSS) blocks. <i>Polymer</i> , 2007, 48, 3041-3058.	3.8	94
8	Cage-like structure formation during sol-gel polymerization of glycidyoxypropyltrimethoxysilane. <i>Journal of Non-Crystalline Solids</i> , 2000, 270, 34-47.	3.1	89
9	Cyclization and Self-Organization in Polymerization of Trialkoxysilanes. <i>Macromolecules</i> , 2001, 34, 6904-6914.	4.8	88
10	Super porous organic-inorganic poly(N-isopropylacrylamide)-based hydrogel with a very fast temperature response. <i>Polymer</i> , 2007, 48, 1471-1482.	3.8	84
11	Epoxy Networks Reinforced with Polyhedral Oligomeric Silsesquioxanes: Structure and Segmental Dynamics as Studied by Solid-State NMR. <i>Macromolecules</i> , 2008, 41, 372-386.	4.8	84
12	Perovskite-molecule composite thin films for efficient and stable light-emitting diodes. <i>Nature Communications</i> , 2020, 11, 891.	12.8	83
13	Structure of silicon oxycarbide glasses derived from poly(methylsiloxane) and poly[methyl(phenyl)siloxane] precursors. <i>Journal of Non-Crystalline Solids</i> , 2001, 289, 62-74.	3.1	82
14	Self-Organization, Structure, Dynamic Properties, and Surface Morphology of Silica/Epoxy Films As Seen by Solid-State NMR, SAXS, and AFM. <i>Macromolecules</i> , 2004, 37, 1346-1357.	4.8	81
15	Effect of Al/Si Substitutions and Silanol Nests on the Local Geometry of Si and Al Framework Sites in Silicone-Rich Zeolites: A Combined High Resolution ²⁷ Al and ²⁹ Si NMR and Density Functional Theory/Molecular Mechanics Study. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14454-14466.	3.1	73
16	Structure of Framework Aluminum Lewis Sites and Perturbed Aluminum Atoms in Zeolites as Determined by ²⁷ Al{ ¹ H} REDOR (3Q) MAS NMR Spectroscopy and DFT/Molecular Mechanics. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 541-545.	13.8	73
17	Organotin(IV) Derivatives of Some O,C,O-Chelating Ligands. <i>Organometallics</i> , 2002, 21, 3996-4004.	2.3	71
18	Structure and in vitro antifungal activity of [2,6-bis(dimethylaminomethyl)phenyl]diphenyltin(IV) compounds. <i>Applied Organometallic Chemistry</i> , 2002, 16, 315-322.	3.5	68

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19	Solution and cross-polarization/magic angle spinning NMR investigation of intramolecular coordination Sn—N in some organotin(IV) C,N-chelates. <i>Inorganica Chimica Acta</i> , 2001, 323, 163-170.	2.4	58
20	Block Copolymer Organic~Inorganic Networks. Formation and Structure Ordering. <i>Macromolecules</i> , 2003, 36, 7977-7985.	4.8	57
21	Through-Bonds and Through-Space Solid-State NMR Correlations at Natural Isotopic Abundance: A Signal Assignment and Structural Study of Simvastatin. <i>Journal of Physical Chemistry A</i> , 2004, 108, 3955-3964.	2.5	57
22	Structural Diversity of Solid Dispersions of Acetylsalicylic Acid As Seen by Solid-State NMR. <i>Molecular Pharmaceutics</i> , 2014, 11, 516-530.	4.6	57
23	New perspectives of ¹⁹ F MAS NMR in the characterization of amorphous forms of atorvastatin in dosage formulations. <i>International Journal of Pharmaceutics</i> , 2011, 409, 62-74.	5.2	56
24	Humus accumulation, humification, and humic acid composition in soils of two post-mining chronosequences after coal mining. <i>Journal of Soils and Sediments</i> , 2013, 13, 491-500.	3.0	56
25	Near~Infrared Light~Responsive Cu~Doped Cs₂AgBiBr₆. <i>Advanced Functional Materials</i> , 2020, 30, 2005521.	14.9	56
26	Magnetizing lead-free halide double perovskites. <i>Science Advances</i> , 2020, 6, .	10.3	56
27	Manipulating crystallization dynamics through chelating molecules for bright perovskite emitters. <i>Nature Communications</i> , 2021, 12, 4831.	12.8	56
28	Solid-state NMR study of biodegradable starch/polycaprolactone blends. <i>European Polymer Journal</i> , 2007, 43, 1866-1875.	5.4	54
29	Post polymerisation hypercrosslinking of styrene/divinylbenzene poly(HIPE)s: Creating micropores within macroporous polymer. <i>Polymer</i> , 2014, 55, 410-415.	3.8	54
30	Thermal~Induced Transformation of Polydopamine Structures: An Efficient Route for the Stabilization of the Polydopamine Surfaces. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 499-507.	2.2	52
31	Novel ~soft~biodegradable nanoparticles prepared from aliphatic based monomers as a potential drug delivery system. <i>Soft Matter</i> , 2012, 8, 4343.	2.7	51
32	Chitosan-glucan complex hollow fibers reinforced collagen wound dressing embedded with aloe vera. Part I: Preparation and characterization. <i>Carbohydrate Polymers</i> , 2020, 230, 115708.	10.2	51
33	Order and Mobility in Polycarbonate~Poly(ethylene oxide) Blends Studied by Solid-State NMR and Other Techniques. <i>Macromolecules</i> , 2000, 33, 6448-6459.	4.8	49
34	Unraveling and Mitigating the Storage Instability of Fluoroethylene Carbonate-Containing LiPF₆ Electrolytes To Stabilize Lithium Metal Anodes for High-Temperature Rechargeable Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 4925-4935.	5.1	49
35	Epoxy-silica hybrids by nonaqueous sol~gel process. <i>Polymer</i> , 2013, 54, 6271-6282.	3.8	45
36	N7- and N9-substituted purine derivatives: a ¹⁵ N NMR study. <i>Magnetic Resonance in Chemistry</i> , 2002, 40, 353-360.	1.9	44

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37	Synthesis and Structure of Organoantimony(III) Compounds Containing Antimony ^{III} -Selenium and ¹²⁵ Tellurium Terminal Bonds. <i>Organometallics</i> , 2008, 27, 6059-6062.	2.3	44
38	The multifunctional role of ionic liquids in the formation of epoxy-silica nanocomposites. <i>Journal of Materials Chemistry</i> , 2011, 21, 13801.	6.7	44
39	Synthesis and characterization of new zirconium 4-sulfophenylphosphonates. <i>Solid State Ionics</i> , 2010, 181, 705-713.	2.7	43
40	A comprehensive study of soft magnetic materials based on FeSi spheres and polymeric resin modified by silica nanorods. <i>Materials Chemistry and Physics</i> , 2014, 147, 649-660.	4.0	43
41	A Solid-State NMR Study of Structure and Segmental Dynamics of Semicrystalline Elastomer-Toughened Nanocomposites. <i>Macromolecules</i> , 2006, 39, 5400-5409.	4.8	42
42	Interaction Pathways and Structure ^{II} Chemical Transformations of Alginate Gels in Physiological Environments. <i>Biomacromolecules</i> , 2019, 20, 4158-4170.	5.4	42
43	Solvothermal synthesis and electrochemical behavior of nanocrystalline cubic Li ^{II} -Ti ^{IV} -O oxides with cationic disorder. <i>Solid State Ionics</i> , 2005, 176, 1877-1885.	2.7	40
44	Thermoresponsive Self-Assembly of Short Elastin-Like Polypentapeptides and Their Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	4.1	40
45	Reactivity of lithium n-butyl amidinates towards group 14 metal(ii) chlorides providing series of hetero- and homoleptic tetrylenes. <i>Dalton Transactions</i> , 2012, 41, 5010.	3.3	40
46	Title is missing!. <i>Journal of Sol-Gel Science and Technology</i> , 2002, 25, 17-28.	2.4	38
47	Hydrogen-Bond Interactions in Organically-Modified Polysiloxane Networks Studied by 1D and 2D CRAMPS and Double-Quantum ¹ H MAS NMR. <i>Macromolecules</i> , 2002, 35, 10038-10047.	4.8	37
48	Self-Assembly of a Bridged Silsesquioxane Containing a Pendant Hydrophobic Chain in the Organic Bridge. <i>Macromolecules</i> , 2007, 40, 1435-1443.	4.8	36
49	On the Structure of Polymeric Composite of Metallocarborane with Poly(ethylene oxide). <i>Macromolecules</i> , 2011, 44, 3847-3855.	4.8	36
50	Cooperative Hydrogen Bonds of Macromolecules. 2. Two-Dimensional Cooperativity in the Binding of Poly(4-vinylpyridine) to Poly(4-vinylphenol). <i>Journal of Physical Chemistry B</i> , 2006, 110, 18338-18346.	2.6	35
51	Advances in ²⁷ Al MAS NMR Studies of Geopolymers. <i>Annual Reports on NMR Spectroscopy</i> , 2016, 88, 79-147.	1.5	35
52	Rational design of cement composites containing pozzolanic additions. <i>Construction and Building Materials</i> , 2017, 148, 411-418.	7.2	35
53	Structure and Pervaporation Properties of Poly(phenylene ^{II} -iso</i>â€”phthalamide) Membranes Modified by Fullerene C₆₀. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 432-440.	3.6	34
54	Low-molecular-weight chitosans: Preparation and characterization. <i>Carbohydrate Polymers</i> , 2011, 86, 1077-1081.	10.2	34

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55	Control over the Self-Assembly and Dynamics of Metallacarborane Nanorotors by the Nature of the Polymer Matrix: A Solid-State NMR Study. <i>Macromolecules</i> , 2014, 47, 6343-6354.	4.8	34
56	Synthesis of conductive doubly filled poly(N-isopropylacrylamide)-polyaniline-SiO ₂ hydrogels. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 616-634.	7.8	34
57	The atomic-level structure of bandgap engineered double perovskite alloys Cs ₂ AgIn _{1-x} Fe _x Cl ₆ . <i>Chemical Science</i> , 2021, 12, 1730-1735.	7.4	34
58	Copolymerization of tetraethoxysilane and dimethyl(diethoxy)silane studied by ²⁹ Si NMR and ab initio calculations of ²⁹ Si NMR chemical shifts. <i>Polymer</i> , 1999, 40, 6933-6945.	3.8	33
59	Double-C,N-chelated tri- and diorganotin(IV) fluorides. <i>Journal of Fluorine Chemistry</i> , 2005, 126, 1531-1538.	1.7	33
60	¹³ C Chemical Shift Tensors in Hypoxanthine and 6-Mercaptopurine: Effects of Substitution, Tautomerism, and Intermolecular Interactions. <i>Journal of Physical Chemistry A</i> , 2010, 114, 1985-1995.	2.5	33
61	Insights into the Structural Transformations of Aluminosilicate Inorganic Polymers: A Comprehensive Solid-State NMR Study. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14627-14637.	3.1	33
62	Polyacetylene-Type Networks Prepared by Coordination Polymerization of Diethynylarenes: New Type of Microporous Organic Polymers. <i>Macromolecular Rapid Communications</i> , 2012, 33, 158-163.	3.9	33
63	Solid-state NMR study of structure, size and dynamics of domains in hybrid siloxane networks. <i>Polymer</i> , 2000, 41, 5269-5282.	3.8	32
64	Preparation and characterization of hybrid organic-inorganic epoxide-based films and coatings prepared by the sol-gel process. <i>Journal of Applied Polymer Science</i> , 2004, 92, 937-950.	2.6	32
65	Poly(N-isopropylacrylamide)-SiO ₂ nanocomposites interpenetrated by starch: Stimuli-responsive hydrogels with attractive tensile properties. <i>European Polymer Journal</i> , 2017, 88, 349-372.	5.4	32
66	Garnet-Poly(μ -caprolactone-co-trimethylene carbonate) Polymer-in-Ceramic Composite Electrolyte for All-Solid-State Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 2531-2542.	5.1	32
67	Synthesis of novel types of graft copolymers by a "grafting-from" method using ring-opening polymerization of lactones and lactides. <i>Reactive and Functional Polymers</i> , 2003, 57, 137-146.	4.1	30
68	Thermosensitive PNIPA-Based Organic-Inorganic Hydrogels. <i>Polymer Journal</i> , 2006, 38, 527-541.	2.7	30
69	Solvent-Controlled Ring Size in Double C,N-Chelated Stannoxanes. <i>Organometallics</i> , 2008, 27, 5303-5308.	2.3	29
70	Mobility, Structure, and Domain Size in Polyimide-Poly(dimethylsiloxane) Networks Studied by Solid-State NMR Spectroscopy. <i>Macromolecules</i> , 2002, 35, 1253-1261.	4.8	28
71	A view from inside onto the surface of self-assembled nanocomposite coatings. <i>Progress in Organic Coatings</i> , 2008, 61, 145-155.	3.9	28
72	[Rh(cycloolefin)(acac)] complexes as catalysts of polymerization of aryl- and alkylacetylenes: Influence of cycloolefin ligand and reaction conditions. <i>Journal of Molecular Catalysis A</i> , 2013, 378, 57-66.	4.8	28

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73	Polyaniline/polybenzimidazole blends: Characterisation of its physico-chemical properties and gas separation behaviour. <i>European Polymer Journal</i> , 2016, 77, 98-113.	5.4	28
74	Cytotoxicity study and influence of SBA-15 surface polarity and pH on adsorption and release properties of anticancer agent pemetrexed. <i>Materials Science and Engineering C</i> , 2020, 109, 110552.	7.3	27
75	Interface Affected Polymer Dynamics: ^1H NMR, SANS, and DLS Study of the Influence of Shell \sim Core Interactions on the Core Chain Mobility of Poly(2-ethylhexyl acrylate)-block-poly(acrylic acid) Micelles in Water. <i>Macromolecules</i> , 1999, 32, 397-410.	4.8	26
76	Preparation and characterization of crosslinked polyimide \sim poly(dimethylsiloxane)s. <i>Polymer</i> , 2001, 42, 10079-10085.	3.8	26
77	Characterization of solid polymer dispersions of active pharmaceutical ingredients by ^{19}F MAS NMR and factor analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 100, 59-66.	3.9	26
78	Monolithic intercalated PNIPAm/starch hydrogels with very fast and extensive one-way volume and swelling responses to temperature and pH: prospective actuators and drug release systems. <i>Soft Matter</i> , 2019, 15, 752-769.	2.7	26
79	Block-copolymer organic \sim inorganic networks. Structure, morphology and thermomechanical properties. <i>Polymer</i> , 2004, 45, 3267-3276.	3.8	25
80	Transition \sim Metal \sim Catalyzed Chain \sim Growth Polymerization of 1,4 \sim Diethynylbenzene into Microporous Crosslinked Poly(phenylacetylene)s: the Effect of Reaction Conditions. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1855-1869.	2.2	25
81	Structural and Surface Properties of Novel Polyurethane Films. <i>Materials and Manufacturing Processes</i> , 2009, 24, 1185-1189.	4.7	24
82	Simvastatin: structure solution of two new low-temperature phases from synchrotron powder diffraction and ss-NMR. <i>Structural Chemistry</i> , 2010, 21, 511-518.	2.0	24
83	Cracking of Organosilicone Stone Consolidants in Gel Form. <i>Studies in Conservation</i> , 1996, 41, 55.	1.1	23
84	Structure and Distribution of Cross-Links in Boron-Modified Phenol \sim Formaldehyde Resins Designed for Soft Magnetic Composites: A Multiple-Quantum ^{11}B \sim ^{11}B MAS NMR Correlation Spectroscopy Study. <i>Macromolecules</i> , 2015, 48, 4874-4881.	4.8	23
85	Predicting the Crystal Structure of Decitabine by Powder NMR Crystallography: Influence of Long-Range Molecular Packing Symmetry on NMR Parameters. <i>Crystal Growth and Design</i> , 2016, 16, 7102-7111.	3.0	23
86	Exploring the Molecular-Level Architecture of the Active Compounds in Liquisolid Drug Delivery Systems Based on Mesoporous Silica Particles: Old Tricks for New Challenges. <i>Molecular Pharmaceutics</i> , 2017, 14, 2070-2078.	4.6	23
87	Hyper \sim Cross \sim Linked Polyacetylene \sim Type Microporous Networks Decorated with Terminal Ethynyl Groups as Heterogeneous Acid Catalysts for Acetalization and Esterification Reactions. <i>Chemistry - A European Journal</i> , 2018, 24, 14742-14749.	3.3	23
88	Transferring Lithium Ions in the Nanochannels of Flexible Metal \sim Organic Frameworks Featuring Superchaotropic Metallacarborane Guests: Mechanism of Ionic Conductivity at Atomic Resolution. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47447-47456.	8.0	23
89	Retention of dead standing plant biomass (marcescence) increases subsequent litter decomposition in the soil organic layer. <i>Plant and Soil</i> , 2017, 418, 571-579.	3.7	22
90	Determining the Crystal Structures of Peptide Analogs of Boronic Acid in the Absence of Single Crystals: Intricate Motifs of Ixazomib Citrate Revealed by XRPD Guided by ss-NMR. <i>Crystal Growth and Design</i> , 2018, 18, 3616-3625.	3.0	22

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91	Role of <i>p</i> -Benzoquinone in the Synthesis of a Conducting Polymer, Polyaniline. ACS Omega, 2019, 4, 7128-7139.	3.5	22
92	Highly conducting 1-D polypyrrole prepared in the presence of safranin. Journal of Materials Chemistry C, 2020, 8, 12140-12147.	5.5	22
93	Photoluminescence of Bridged Silsesquioxanes Containing Urea or Urethane Groups with Nanostructures Generated by the Competition between the Rates of Self-Assembly of Organic Domains and the Inorganic Polycondensation. Macromolecules, 2006, 39, 3794-3801.	4.8	21
94	Methodological comparison for quantitative analysis of fossil and recently derived carbon in mine soils with high content of aliphatic kerogen. Organic Geochemistry, 2015, 89-90, 14-22.	1.8	21
95	Use of waste ceramics in adsorption technologies. Applied Clay Science, 2016, 134, 145-152.	5.2	21
96	Hyaluronan biofilms reinforced with partially deacetylated chitin nanowhiskers: Extraction, fabrication, in-vitro and antibacterial properties of advanced nanocomposites. Carbohydrate Polymers, 2020, 235, 115951.	10.2	21
97	Selective Measurement of Heteronuclear ^1H - ^{13}C Dipolar Couplings in Motionally Heterogeneous Semicrystalline Polymer Systems. Journal of Physical Chemistry A, 2005, 109, 5050-5054.	2.5	20
98	The comparison of approaches to the solid-state NMR-based structural refinement of vitamin B1 hydrochloride and of its monohydrate. Chemical Physics Letters, 2013, 555, 135-140.	2.6	20
99	The covariance of the differences between experimental and theoretical chemical shifts as an aid for assigning two-dimensional heteronuclear correlation solid-state NMR spectra. Chemical Physics Letters, 2014, 608, 334-339.	2.6	20
100	Novel triphilic block copolymers based on poly(2-methyl-2-oxazoline)- <i>block</i> -poly(2-octyl-2-oxazoline) with different terminal perfluoroalkyl fragments: Synthesis and self-assembly behaviour. European Polymer Journal, 2017, 88, 645-655.	5.4	20
101	Porous Heat-Treated Polyacrylonitrile Scaffolds for Bone Tissue Engineering. ACS Applied Materials & Interfaces, 2018, 10, 8496-8506.	8.0	20
102	^{29}Si NMR Study of Distribution of Oligomers in Polycondensation of Tetraethoxysilane. Collection of Czechoslovak Chemical Communications, 1996, 61, 691-703.	1.0	19
103	Solid state NMR and DFT study of polymer electrolyte poly(ethylene oxide)/LiCFSO. Solid State Ionics, 2005, 176, 163-167.	2.7	19
104	Metergoline II: structure solution from powder diffraction data with preferred orientation and from microcrystal. Structural Chemistry, 2008, 19, 517-525.	2.0	19
105	Factor analysis of ^{27}Al MAS NMR spectra for identifying nanocrystalline phases in amorphous geopolymers. Magnetic Resonance in Chemistry, 2013, 51, 734-742.	1.9	19
106	Unprecedented π - π interaction between an aromatic ring and a pseudo-aromatic ring formed through intramolecular H-bonding in a bidentate Schiff base ligand: crystal structure and DFT calculations. Physical Chemistry Chemical Physics, 2011, 13, 15845.	2.8	18
107	Theoretical predictions of the two-dimensional solid-state NMR spectra: A case study of the ^{13}C - ^1H correlations in metergoline. Chemical Physics Letters, 2013, 586, 56-60.	2.6	18
108	Biaxial Q-shearing of ^{27}Al 3QMAS NMR spectra: Insight into the structural disorder of framework aluminosilicates. Solid State Nuclear Magnetic Resonance, 2014, 57-58, 29-38.	2.3	18

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109	Local Structure of Cationic Sites in Dehydrated Zeolites Inferred from ²⁷ Al Magic-Angle Spinning NMR and Density Functional Theory Calculations. A Study on Li-, Na-, and K-Chabazite. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14216-14225.	3.1	18
110	On the key role of SiO ₂ @POSS hybrid filler in tailoring networking and interfaces in rubber nanocomposites. <i>Polymer Testing</i> , 2018, 65, 429-439.	4.8	18
111	Fluorophilicâ€“Lipophilicâ€“Hydrophilic Poly(2-oxazoline) Block Copolymers as MRI Contrast Agents: From Synthesis to Self-Assembly. <i>Macromolecules</i> , 2018, 51, 6047-6056.	4.8	18
112	Efficient Strategy for Determining the Atomic-Resolution Structure of Micro- and Nanocrystalline Solids within Polymeric Microbeads: Domain-Edited NMR Crystallography. <i>Macromolecules</i> , 2018, 51, 5364-5374.	4.8	18
113	Consolidation of stone by mixtures of alkoxy silane and acrylic polymer. <i>Studies in Conservation</i> , 1996, 41, 109-119.	1.1	17
114	An electrorheological investigation of PVB solutions in connection with their electrospinning qualities. <i>Polymer Testing</i> , 2014, 39, 115-121.	4.8	17
115	Origin of toughness in ¹² -polypropylene: The effect of molecular mobility in the amorphous phase. <i>Polymer</i> , 2015, 60, 107-114.	3.8	17
116	Selective Grafting of Block Copolymers. <i>Macromolecules</i> , 1997, 30, 7370-7374.	4.8	16
117	Structural study of bis(triorganotin(IV)) esters of 4-ketopimelic acid. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2631-2640.	1.8	16
118	Solidâ€“State NMR Studies of Polysaccharide Systems. <i>Macromolecular Symposia</i> , 2008, 265, 69-76.	0.7	16
119	Molecular-Level Control of Ciclopirox Olamine Release from Poly(ethylene oxide)-Based Mucoadhesive Buccal Films: Exploration of Structureâ€“Property Relationships with Solid-State NMR. <i>Molecular Pharmaceutics</i> , 2016, 13, 1551-1563.	4.6	16
120	Influence of local molecular motions on the determination of ¹ Hâ€“ ¹ H internuclear distances measured by 2D ¹ H spin-exchange experiments. <i>Solid State Nuclear Magnetic Resonance</i> , 2003, 23, 183-197.	2.3	15
121	[⁶ Li MAS NMR Study of Lithium Insertion into Hydrothermally Prepared Li-Ti-O Spinel. <i>Electrochemical and Solid-State Letters</i> , 2004, 7, A163.	2.2	15
122	Amphiphilic conetworks. II. Novel two-step synthesis of poly[2-(dimethylamino)ethyl methacrylate]â€“polyisobutylene, poly(N-isopropylacrylamide)â€“polyisobutylene, and poly(N,N-dimethylacrylamide)â€“polyisobutylene hydrogels. <i>Journal of Polymer Science Part A</i> , 2006, 44, 6378-6384.	2.3	15
123	Characterization of the sodium binding sites in microcrystalline ATP by ²³ Na-solid-state NMR and ab initio calculations. <i>Inorganica Chimica Acta</i> , 2009, 362, 1071-1077.	2.4	15
124	Characterizing Crystal Disorder of Trosipium Chloride: A Comprehensive, ¹³ C CP/MAS NMR, DSC, FTIR, and XRPD Study. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 1235-1248.	3.3	15
125	Fluorinated 2-Alkyl-2-oxazolines of High Reactivity: Spacer-Length-Induced Acceleration for Cationic Ring-Opening Polymerization As a Basis for Triphilic Block Copolymer Synthesis. <i>ACS Macro Letters</i> , 2018, 7, 7-10.	4.8	15
126	NMR Crystallography of the Polymorphs of Metergoline. <i>Crystals</i> , 2018, 8, 378.	2.2	15

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127	Selective Grafting of Block Copolymers. 2. Multimetalated (Co)polymers as Initiators for Grafting Process. Model Metalation Studies. <i>Macromolecules</i> , 2001, 34, 1593-1599.	4.8	14
128	Structure of [2,6-bis(dimethylamino)methyl]phenyltin tribromide hydrate. <i>Inorganic Chemistry Communication</i> , 2001, 4, 257-260.	3.9	14
129	Geometry of multiple-spin systems as reflected in $^{13}\text{C}\{^1\text{H}\}$ dipolar spectra measured at Lee-Goldburg cross-polarization. <i>Solid State Nuclear Magnetic Resonance</i> , 2005, 27, 180-191.	2.3	14
130	Multiscale approach to the morphology, structure, and segmental dynamics of complex degradable aliphatic polyurethanes. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	14
131	NMR crystallography of monovalent cations in inorganic matrixes: Li^+ siting and the local structure of Li^+ sites in ferrierites. <i>Chemical Communications</i> , 2015, 51, 8962-8965.	4.1	14
132	Thermoset-thermoplastic-ionic liquid ternary hybrids as novel functional polymer materials. <i>Polymer</i> , 2021, 218, 123507.	3.8	14
133	Investigation of Dissolution Behavior HPMC/Eudragit®/Magnesium Aluminometasilicate Oral Matrices Based on NMR Solid-State Spectroscopy and Dynamic Characteristics of Gel Layer. <i>AAPS PharmSciTech</i> , 2018, 19, 681-692.	3.3	14
134	Consolidation of Stone by Mixtures of Alkoxysilane and Acrylic Polymer. <i>Studies in Conservation</i> , 1996, 41, 109.	1.1	13
135	Synthesis, Structural Study, and In Vitro Trypanocidal and Antitumour Activities of Tetrakis(3-methoxypropyl)tin and (3-Methoxypropyl)tin Chlorides. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 143-148.	2.0	13
136	Oxidative Additions of Homoleptic Tin(II) Amidinate. <i>Organometallics</i> , 2015, 34, 606-615.	2.3	13
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