

Jiri Brus

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8470231/publications.pdf>

Version: 2024-02-01

245
papers

5,886
citations

70961

41
h-index

128067

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.	19.8	230
2	Heating of samples induced by fast magic-angle spinning. <i>Solid State Nuclear Magnetic Resonance</i> , 2000, 16, 151-160.	1.5	140
3	Preparation, structure and hydrothermal stability of alternative (sodium silicate-free) geopolymers. <i>Journal of Materials Science</i> , 2007, 42, 9267-9275.	1.7	135
4	Effect of Al ^{IV} Si ^{IV} Al and Al ^{IV} Si ^{IV} Si ^{IV} 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.	1.5	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.	2.6	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.	11.7	99
7	Formation of nanostructured epoxy networks containing polyhedral oligomeric silsesquioxane (POSS) blocks. <i>Polymer</i> , 2007, 48, 3041-3058.	1.8	94
8	Cage-like structure formation during sol-gel polymerization of glycidyoxypropyltrimethoxysilane. <i>Journal of Non-Crystalline Solids</i> , 2000, 270, 34-47.	1.5	89
9	Cyclization and Self-Organization in Polymerization of Trialkoxysilanes. <i>Macromolecules</i> , 2001, 34, 6904-6914.	2.2	88
10	Super porous organic-inorganic poly(N-isopropylacrylamide)-based hydrogel with a very fast temperature response. <i>Polymer</i> , 2007, 48, 1471-1482.	1.8	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.	2.2	84
12	Perovskite-molecule composite thin films for efficient and stable light-emitting diodes. <i>Nature Communications</i> , 2020, 11, 891.	5.8	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.	1.5	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.	2.2	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.	1.5	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.	7.2	73
17	Organotin(IV) Derivatives of Some O,C,O-Chelating Ligands. <i>Organometallics</i> , 2002, 21, 3996-4004.	1.1	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.	1.7	68

#	ARTICLE	IF	CITATIONS
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.	1.2	58
20	Block Copolymer Organic~Inorganic Networks. Formation and Structure Ordering. <i>Macromolecules</i> , 2003, 36, 7977-7985.	2.2	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.	1.1	57
22	Structural Diversity of Solid Dispersions of Acetylsalicylic Acid As Seen by Solid-State NMR. <i>Molecular Pharmaceutics</i> , 2014, 11, 516-530.	2.3	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.	2.6	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.	1.5	56
25	Near-Infrared Light-Responsive Cu-Doped Cs ₂ AgBiBr ₆ . <i>Advanced Functional Materials</i> , 2020, 30, 2005521.	7.8	56
26	Magnetizing lead-free halide double perovskites. <i>Science Advances</i> , 2020, 6, .	4.7	56
27	Manipulating crystallization dynamics through chelating molecules for bright perovskite emitters. <i>Nature Communications</i> , 2021, 12, 4831.	5.8	56
28	Solid-state NMR study of biodegradable starch/polycaprolactone blends. <i>European Polymer Journal</i> , 2007, 43, 1866-1875.	2.6	54
29	Post polymerisation hypercrosslinking of styrene/divinylbenzene poly(HIPE)s: Creating micropores within macroporous polymer. <i>Polymer</i> , 2014, 55, 410-415.	1.8	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.	1.1	52
31	Novel soft-biodegradable nanoparticles prepared from aliphatic based monomers as a potential drug delivery system. <i>Soft Matter</i> , 2012, 8, 4343.	1.2	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.	5.1	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.	2.2	49
34	Unraveling and Mitigating the Storage Instability of Fluoroethylene Carbonate-Containing LiPF ₆ Electrolytes To Stabilize Lithium Metal Anodes for High-Temperature Rechargeable Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 4925-4935.	2.5	49
35	Epoxy-silica hybrids by nonaqueous sol-gel process. <i>Polymer</i> , 2013, 54, 6271-6282.	1.8	45
36	N7- and N9-substituted purine derivatives: a ¹⁵ N NMR study. <i>Magnetic Resonance in Chemistry</i> , 2002, 40, 353-360.	1.1	44

#	ARTICLE	IF	CITATIONS
37	Synthesis and Structure of Organoantimony(III) Compounds Containing Antimony ^{III} -Selenium and ¹²⁵ Tellurium Terminal Bonds. <i>Organometallics</i> , 2008, 27, 6059-6062.	1.1	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.	1.3	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.	2.0	43
41	A Solid-State NMR Study of Structure and Segmental Dynamics of Semicrystalline Elastomer-Toughened Nanocomposites. <i>Macromolecules</i> , 2006, 39, 5400-5409.	2.2	42
42	Interaction Pathways and Structure ^{II} Chemical Transformations of Alginate Gels in Physiological Environments. <i>Biomacromolecules</i> , 2019, 20, 4158-4170.	2.6	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.	1.3	40
44	Thermoresponsive Self-Assembly of Short Elastin-Like Polypentapeptides and Their Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	2.1	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.	1.6	40
46	Title is missing!. <i>Journal of Sol-Gel Science and Technology</i> , 2002, 25, 17-28.	1.1	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.	2.2	37
48	Self-Assembly of a Bridged Silsesquioxane Containing a Pendant Hydrophobic Chain in the Organic Bridge. <i>Macromolecules</i> , 2007, 40, 1435-1443.	2.2	36
49	On the Structure of Polymeric Composite of Metallocarborane with Poly(ethylene oxide). <i>Macromolecules</i> , 2011, 44, 3847-3855.	2.2	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.	1.2	35
51	Advances in ²⁷ Al MAS NMR Studies of Geopolymers. <i>Annual Reports on NMR Spectroscopy</i> , 2016, 88, 79-147.	0.7	35
52	Rational design of cement composites containing pozzolanic additions. <i>Construction and Building Materials</i> , 2017, 148, 411-418.	3.2	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.	1.7	34
54	Low-molecular-weight chitosans: Preparation and characterization. <i>Carbohydrate Polymers</i> , 2011, 86, 1077-1081.	5.1	34

#	ARTICLE	IF	CITATIONS
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.	2.2	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.	4.0	34
57	The atomic-level structure of bandgap engineered double perovskite alloys Cs ₂ AgIn ^x Fe _x Cl ₆ . <i>Chemical Science</i> , 2021, 12, 1730-1735.	3.7	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.	1.8	33
59	Double-C,N-chelated tri- and diorganotin(IV) fluorides. <i>Journal of Fluorine Chemistry</i> , 2005, 126, 1531-1538.	0.9	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.	1.1	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.	1.5	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.	2.0	33
63	Solid-state NMR study of structure, size and dynamics of domains in hybrid siloxane networks. <i>Polymer</i> , 2000, 41, 5269-5282.	1.8	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.	1.3	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.	2.6	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.	2.5	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.	2.0	30
68	Thermosensitive PNIPA-Based Organic-Inorganic Hydrogels. <i>Polymer Journal</i> , 2006, 38, 527-541.	1.3	30
69	Solvent-Controlled Ring Size in Double C,N-Chelated Stannoxanes. <i>Organometallics</i> , 2008, 27, 5303-5308.	1.1	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.	2.2	28
71	A view from inside onto the surface of self-assembled nanocomposite coatings. <i>Progress in Organic Coatings</i> , 2008, 61, 145-155.	1.9	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

#	ARTICLE	IF	CITATIONS
73	Polyaniline/polybenzimidazole blends: Characterisation of its physico-chemical properties and gas separation behaviour. <i>European Polymer Journal</i> , 2016, 77, 98-113.	2.6	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.	3.8	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.	2.2	26
76	Preparation and characterization of crosslinked polyimide \sim poly(dimethylsiloxane)s. <i>Polymer</i> , 2001, 42, 10079-10085.	1.8	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.	2.0	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.	1.2	26
79	Block-copolymer organic \sim inorganic networks. Structure, morphology and thermomechanical properties. <i>Polymer</i> , 2004, 45, 3267-3276.	1.8	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.	1.1	25
81	Structural and Surface Properties of Novel Polyurethane Films. <i>Materials and Manufacturing Processes</i> , 2009, 24, 1185-1189.	2.7	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.	1.0	24
83	Cracking of Organosilicone Stone Consolidants in Gel Form. <i>Studies in Conservation</i> , 1996, 41, 55.	0.6	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 MAS NMR Correlation Spectroscopy Study. <i>Macromolecules</i> , 2015, 48, 4874-4881.	2.2	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.	1.4	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.	2.3	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.	1.7	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.	4.0	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.	1.8	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.	1.4	22

#	ARTICLE	IF	CITATIONS
91	Role of <i>p</i> -Benzoquinone in the Synthesis of a Conducting Polymer, Polyaniline. ACS Omega, 2019, 4, 7128-7139.	1.6	22
92	Highly conducting 1-D polypyrrole prepared in the presence of safranin. Journal of Materials Chemistry C, 2020, 8, 12140-12147.	2.7	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.	2.2	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.	0.9	21
95	Use of waste ceramics in adsorption technologies. Applied Clay Science, 2016, 134, 145-152.	2.6	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.	5.1	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.	1.1	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.	1.2	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.	1.2	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.	2.6	20
101	Porous Heat-Treated Polyacrylonitrile Scaffolds for Bone Tissue Engineering. ACS Applied Materials & Interfaces, 2018, 10, 8496-8506.	4.0	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.	1.3	19
104	Metergoline II: structure solution from powder diffraction data with preferred orientation and from microcrystal. Structural Chemistry, 2008, 19, 517-525.	1.0	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.	1.1	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.	1.3	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.	1.2	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.	1.5	18

#	ARTICLE	IF	CITATIONS
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.	1.5	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.	2.3	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.	2.2	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.	2.2	18
113	Consolidation of stone by mixtures of alkoxysilane and acrylic polymer. <i>Studies in Conservation</i> , 1996, 41, 109-119.	0.6	17
114	An electrorheological investigation of PVB solutions in connection with their electrospinning qualities. <i>Polymer Testing</i> , 2014, 39, 115-121.	2.3	17
115	Origin of toughness in ¹² -polypropylene: The effect of molecular mobility in the amorphous phase. <i>Polymer</i> , 2015, 60, 107-114.	1.8	17
116	Selective Grafting of Block Copolymers. <i>Macromolecules</i> , 1997, 30, 7370-7374.	2.2	16
117	Structural study of bis(triorganotin(IV)) esters of 4-ketopimelic acid. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2631-2640.	0.8	16
118	Solidâ€“State NMR Studies of Polysaccharide Systems. <i>Macromolecular Symposia</i> , 2008, 265, 69-76.	0.4	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.	2.3	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.	1.5	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.	2.5	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.	1.2	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.	1.6	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.	2.3	15
126	NMR Crystallography of the Polymorphs of Metergoline. <i>Crystals</i> , 2018, 8, 378.	1.0	15

#	ARTICLE	IF	CITATIONS
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.	2.2	14
128	Structure of [2,6-bis(dimethylamino)methyl]phenyltin tribromide hydrate. <i>Inorganic Chemistry Communication</i> , 2001, 4, 257-260.	1.8	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.	1.5	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, .	1.3	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.	2.2	14
132	Thermoset-thermoplastic-ionic liquid ternary hybrids as novel functional polymer materials. <i>Polymer</i> , 2021, 218, 123507.	1.8	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.	1.5	14
134	Consolidation of Stone by Mixtures of Alkoxysilane and Acrylic Polymer. <i>Studies in Conservation</i> , 1996, 41, 109.	0.6	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.	1.0	13
136	Oxidative Additions of Homoleptic Tin(II) Amidinate. <i>Organometallics</i> , 2015, 34, 606-615.	1.1	13
137	Interface Induced Growth and Transformation of Polymer-Conjugated Proto-Crystalline Phases in Aluminosilicate Hybrids: A Multiple-Quantum $^{23}\text{Na}\{^{23}\text{Na}\}$ MAS NMR Correlation Spectroscopy Study.. <i>Langmuir</i> , 2016, 32, 2787-2797.	1.6	13
138	Hydration of Ordinary Portland Cement in Presence of Lead Sorbed on Ceramic Sorbent. <i>Materials</i> , 2019, 12, 19.	1.3	13
139	Chain-growth copolymerization of functionalized ethynylarenes with 1,4-diethynylbenzene and 4,4'-diethynylbiphenyl into conjugated porous networks. <i>European Polymer Journal</i> , 2015, 67, 252-263.	2.6	12
140	On the predictions of the ^{11}B solid state NMR parameters. <i>Chemical Physics Letters</i> , 2016, 655-656, 66-70.	1.2	12
141	Biopolymer strategy for the treatment of Wilson's disease. <i>Journal of Controlled Release</i> , 2018, 273, 131-138.	4.8	12
142	The addition of Grignard reagents to carbodiimides. The synthesis, structure and potential utilization of magnesium amidinates. <i>Dalton Transactions</i> , 2019, 48, 5335-5342.	1.6	12
143	Uncovering lead formate crystallization in oil-based paintings. <i>Dalton Transactions</i> , 2020, 49, 5044-5054.	1.6	12
144	Infrared, ^{119}Sn , ^{13}C and ^1H NMR, ^{119}Sn and ^{13}C CP/MAS NMR and Mössbauer Spectral Study of Some Tributylstannyl Citrates and Propane-1,2,3-tricarboxylates. <i>Collection of Czechoslovak Chemical Communications</i> , 1999, 64, 1028-1048.	1.0	11

#	ARTICLE	IF	CITATIONS
145	Polymer Dynamics in an Interface-Confined Space: ^1H NMR Study of Poly(hexyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (eth) in D ₂ O. <i>Macromolecules</i> , 2000, 33, 4108-4115.	2.2	11
146	^1H MAS NMR study of structure of hybrid siloxane-based networks and the interaction with quartz filler. <i>Journal of Non-Crystalline Solids</i> , 2001, 281, 61-71.	1.5	11
147	IR laser production of nanostructured polyborocarbosiloxane powders with SiOB bonds. <i>Solid State Sciences</i> , 2005, 7, 123-131.	1.5	11
148	Homo- and Copolycondensation of Aromatic Internal Diynes Catalyzed with $\text{Co}(\text{CO})_8$: A Facile Route to Microporous Photoluminescent Polyphenylenes with Hyperbranched or Crosslinked Architecture. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700518.	2.0	11
149	Successful Strategy for High Degree of Freedom Crystal Structure Determination from Powder X-Ray Diffraction Data: A Case Study for Selexipag Form I with 38 DOF. <i>Crystal Growth and Design</i> , 2019, 19, 4625-4631.	1.4	11
150	Exploring Accuracy Limits of Predictions of the ^1H NMR Chemical Shielding Anisotropy in the Solid State. <i>Molecules</i> , 2019, 24, 1731.	1.7	11
151	Effect of structural features of polypyrrole (PPy) on electrical conductivity reflected on ^{13}C ssNMR parameters. <i>Synthetic Metals</i> , 2020, 259, 116250.	2.1	11
152	Polyacrylate Effects on Tetraethoxysilane Polycondensation. <i>Chemistry of Materials</i> , 1996, 8, 2739-2744.	3.2	10
153	Effect of POSS γ functionality on morphology of thin hybrid chitosan films. <i>Designed Monomers and Polymers</i> , 2004, 7, 25-43.	0.7	10
154	Tuning the Photoluminescence of Silsesquioxanes with Short Substituted Urea Bridges. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 634-642.	1.1	10
155	Synthesis and Properties of Hyperbranched Polyimides Combined with Silica. <i>Macromolecular Symposia</i> , 2010, 295, 88-93.	0.4	10
156	Dynamic scaling and kinetic roughening of poly(ethylene) islands grown by vapor phase deposition. <i>Thin Solid Films</i> , 2014, 565, 249-260.	0.8	10
157	Highly Soluble Drugs Directly Granulated by Water Dispersions of Insoluble Eudragit® Polymers as a Part of Hypromellose K100M Matrix Systems. <i>BioMed Research International</i> , 2019, 2019, 1-13.	0.9	10
158	Fibrous electrocatalytic materials based on carbon/copper/copper phosphides for effective hydrogen evolution. <i>Applied Surface Science</i> , 2019, 479, 70-76.	3.1	10
159	Preparation and surface characterisation of novel epoxy-based organic-inorganic nano-composite coatings. <i>Surface Coatings International Part B: Coatings Transactions</i> , 2005, 88, 237-242.	0.3	9
160	Amphiphilic conetworks. IV. Poly(methacrylic acid)- $\text{P}(\text{polyisobutylene})$ and poly(acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 responsive conetworks. <i>Journal of Polymer Science Part A</i> , 2009, 47, 1284-1291.	2.5	9
161	New Hypercrosslinked Partly Conjugated Networks with Tunable Composition by Spontaneous Polymerization of Ethynylpyridines with Bis(bromomethyl)arenes: Synthesis, Spectral Properties, and Activity in CO_2 Capture. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2856-2866.	1.1	9
162	Structural insight into the physical stability of amorphous Simvastatin dispersed in pHPMA: Enhanced dynamics and local clustering as evidenced by solid-state NMR and Raman spectroscopy. <i>International Journal of Pharmaceutics</i> , 2015, 478, 464-475.	2.6	9

#	ARTICLE	IF	CITATIONS
163	Synthesis of hyper-cross-linked microporous poly(phenylacetylene)s having aldehyde and other groups and their chemisorption and physisorption ability. <i>European Polymer Journal</i> , 2019, 114, 279-286.	2.6	9
164	Multifunctional Photoelectroactive Platform for CO ₂ Reduction toward C ₂ + Productsâ€™Programmable Selectivity with a Bioinspired Polymer Coating. <i>ACS Catalysis</i> , 0, , 1558-1571.	5.5	9
165	Potential and Limitations of 2D 1 H- 1 H Spin-Exchange CRAMPS Experiments to Characterize Structures of Organic Solids. <i>Monatshefte FÃ¼r Chemie</i> , 2002, 133, 1587-1612.	0.9	8
166	Bridged Silsesquioxanes with Organic Domains Self-Assembled as Functionalized Molecular Channels. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1202-1209.	1.1	8
167	The influence of nanoadditives on surface, permeability and mechanical properties of self-organized organicâ€™inorganic nanocomposite coatings. <i>Journal of Coatings Technology Research</i> , 2010, 7, 219-228.	1.2	8
168	Novel Cerium Bisphosphinate Coordination Polymer and Unconventional Metalâ€™Organic Framework. <i>Crystals</i> , 2019, 9, 303.	1.0	8
169	Waste Brick Dust as Potential Sorbent of Lead and Cesium from Contaminated Water. <i>Materials</i> , 2019, 12, 1647.	1.3	8
170	Polymorphic Forms of Valinomycin Investigated by NMR Crystallography. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4907.	1.8	8
171	â€™Wax bloomâ€™™ on beeswax cultural heritage objects: Exploring the causes of the phenomenon. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 509-513.	1.1	7
172	The Nature of Chemical Bonding in Lewis Adducts as Reflected by ²⁷ Al NMR Quadrupolar Coupling Constant: Combined Solid-State NMR and Quantum Chemical Approach. <i>Inorganic Chemistry</i> , 2018, 57, 7428-7437.	1.9	7
173	Impact of Cellulose Dissolution on 1-Butyl-3-Methylimidazolium Chloride Crystallization Studied by Raman Spectroscopy, Wide-Angle X-ray Scattering, and Solid-State NMR. <i>Crystal Growth and Design</i> , 2020, 20, 1706-1715.	1.4	7
174	Microporous Hyperâ€™Crossâ€™Linked Polymers with High and Tuneable Content of Pyridine Units: Synthesis and Application for Reversible Sorption of Water and Carbon Dioxide. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100209.	2.0	7
175	Study of Polycondensation of Tetraethoxysilane Catalyzed with Dibutylbis[1-oxo(dodecyl)oxy]stannane Using 1H NMR and 29Si NMR Spectrometry and Quasi Elastic Light Scattering. <i>Collection of Czechoslovak Chemical Communications</i> , 1997, 62, 442-456.	1.0	7
176	Structural dependence of crystallization in phosphorusâ€™containing sodium aluminoborosilicate glasses. <i>Journal of the American Ceramic Society</i> , 2022, 105, 2556-2574.	1.9	7
177	Solid state NMR study of intercalate complexes of poly(ethylene oxide) and small molecules. <i>Macromolecular Symposia</i> , 2003, 203, 111-122.	0.4	6
178	Solid-State ¹³ C NMR and DFT Quantum-Chemical Study of Polymer Electrolyte Poly(2-ethyl-2-oxazoline)/AgCF ₃ SO ₃ . <i>Macromolecules</i> , 2005, 38, 5083-5087.	2.2	6
179	<i>In vitro</i> dissolution study of acetylsalicylic acid solid dispersions. Tunable drug release allowed by the choice of polymer matrix. <i>Pharmaceutical Development and Technology</i> , 2015, 20, 935-940.	1.1	6
180	RAFT of sulfobetaine for modifying poly(glycidyl methacrylate) microspheres to reduce nonspecific protein adsorption. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2273-2284.	2.5	6

#	ARTICLE	IF	CITATIONS
181	Synthesis and Characterization of New 3-(4-Arylpiperazin-1-yl)-2-hydroxypropyl 4-Propoxybenzoates and Their Hydrochloride Salts. <i>Molecules</i> , 2016, 21, 707.	1.7	6
182	Unexpected Crystallization Patterns of Zinc Boron Imidazolate Framework ZBIFa€1: NMR Crystallography of Integrated Metala€“Organic Frameworks. <i>ChemPhysChem</i> , 2017, 18, 3576-3582.	1.0	6
183	Microporous polymers prepared from non-porous hyper-cross-linked networks by removing covalently attached template molecules. <i>Microporous and Mesoporous Materials</i> , 2022, 330, 111636.	2.2	6
184	Phase Separation and pH-Dependent Behavior of Four-Arm Star-Shaped Porphyrin-PNIPAM₄ Conjugates. <i>Macromolecules</i> , 2022, 55, 2109-2122.	2.2	6
185	Alternative synthesis of poly(hydroxymethylsiloxane) for lipase immobilization and use of the adsorbates as esterification biocatalysts. <i>Journal of Sol-Gel Science and Technology</i> , 2006, 38, 121-131.	1.1	5
186	Unexpectedly Facile Rh(I) Catalyzed Polymerization of Ethynylbenzaldehyde Type Monomers: Synthesis of Polyacetylenes Bearing Reactive and Easy Transformable Pendant Carbaldehyde Groups. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600792.	2.0	5
187	A novel insight into the origin of toughness in polypropylenea€“calcium carbonate microcomposites: Multivariate analysis of ss-NMR spectra. <i>Polymer</i> , 2017, 132, 106-113.	1.8	5
188	Formation of Layered Proton-Conducting Zirconium and Titanium Organophosphonates by Topotactic Reaction: Physicochemical Properties, Proton Dynamics, and Atomic-Resolution Structure. <i>Inorganic Chemistry</i> , 2020, 59, 505-513.	1.9	5
189	Kinetics of pozzolanic reaction and carbonation in ceramic a€“lime system: Thermogravimetry and solid-state NMR spectroscopy study. <i>Journal of Building Engineering</i> , 2020, 32, 101729.	1.6	5
190	Parametrizing the Spatial Dependence of 1H NMR Chemical Shifts in ĩ€-Stacked Molecular Fragments. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7908.	1.8	5
191	(1S,2S)-Cyclohexane-1,2-diamine-based Organosilane Fibres as a Powerful Tool Against Pathogenic Bacteria. <i>Polymers</i> , 2020, 12, 206.	2.0	5
192	Novel chapter in hybrid materials: One-pot synthesis of purely organosilane fibers. <i>Polymer</i> , 2020, 190, 122234.	1.8	5
193	A computational inspection of the dissociation energy of mid-sized organic dimers. <i>Journal of Chemical Physics</i> , 2022, 156, .	1.2	5
194	Dynamics and Crystallization in Polydimethylsiloxane Nanocomposites. <i>Macromolecular Symposia</i> , 2005, 222, 225-232.	0.4	4
195	Surface-Deposited Acid/Base on Glass Microfibers in Formation of (3-Aminopropyl)triethoxysilane-[2-(3,4-epoxycyclohexyl)ethyl]heptaisobutyl- octasilsesquioxane Biooverlay. <i>Langmuir</i> , 2006, 22, 3633-3639.	1.6	4
196	UV laser deposition of nanostructured Si/C/O/N/H from disilazane precursors and evolution to silicon oxycarbonitride. <i>Applied Organometallic Chemistry</i> , 2006, 20, 648-655.	1.7	4
197	Amphiphilic conetworks. III. Poly(2,3a€“dihydroxypropyl methacrylate)a€“polyisobutylene and poly(ethylene) Tj ETQq1 1 0.784314 rgB <i>Journal of Polymer Science Part A</i> , 2007, 45, 4074-4081.	2.5	4
198	Aluminum siting in the framework of silicon rich zeolites. A ZSM-5 study. <i>Studies in Surface Science and Catalysis</i> , 2008, , 781-786.	1.5	4

#	ARTICLE	IF	CITATIONS
199	The plane-wave DFT investigations into the structure and the ¹¹ B solid-state NMR parameters of lithium fluorooxoborates. <i>Chemical Physics Letters</i> , 2016, 666, 22-27.	1.2	4
200	Spying on Fe ions and their role in modified aluminosilicates during the sorption of anions using solid-state NMR spectroscopy. <i>Microporous and Mesoporous Materials</i> , 2017, 241, 115-122.	2.2	4
201	Describing the anisotropic ¹³³ Cs solid state NMR interactions in cesium chromate. <i>Chemical Physics Letters</i> , 2017, 684, 8-13.	1.2	4
202	Effect of Alkali-Free Synthesis and Post-Synthetic Treatment on Acid Sites in Beta Zeolites. <i>Molecules</i> , 2020, 25, 3434.	1.7	4
203	Microporous hyper-cross-linked polyacetylene networks: Covalent structure and texture modification by reversible Schiff-base chemistry. <i>European Polymer Journal</i> , 2020, 136, 109914.	2.6	4
204	Monitoring the Site-Specific Solid-State NMR Data in Oligopeptides. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2700.	1.8	4
205	Polynorbornene-Based Polyelectrolytes with Covalently Attached Metallacarboranes: Synthesis, Characterization, and Lithium-Ion Mobility. <i>Macromolecules</i> , 2021, 54, 6867-6877.	2.2	4
206	NMR and vibrational spectroscopic study of the order and mobility in polycarbonate and polycarbonate- ¹³ C poly(ethylene oxide) blends. <i>Macromolecular Symposia</i> , 1999, 146, 17-23.	0.4	3
207	NMR Spectroscopy and Atomic Force Microscopy Characterization of Hybrid Organic - Inorganic Coatings. <i>Macromolecular Symposia</i> , 2005, 220, 155-164.	0.4	3
208	Solid Polymer Electrolytes Studied by NMR Spectroscopy and DFT Calculations. <i>Macromolecular Symposia</i> , 2006, 235, 57-63.	0.4	3
209	Sorption of enantiomers and alcohols into Nafion [®] and the role of air humidity in the experimental data evaluation. <i>Separation and Purification Technology</i> , 2015, 144, 232-239.	3.9	3
210	Gallium Species Incorporated into MOF Structure: Insight into the Formation of a 3D Polycrystalline Gallium-Imidazole Framework. <i>Inorganic Chemistry</i> , 2020, 59, 13933-13941.	1.9	3
211	Impact of Hydrogen Bonds Limited Dipolar Disorder in High-k Polymer Gate Dielectric on Charge Carrier Transport in OFET. <i>Polymers</i> , 2020, 12, 826.	2.0	3
212	Oxidative addition of cyanogen bromide to C,N-chelated and Lappert's stannylenes. <i>Dalton Transactions</i> , 2021, 50, 5519-5529.	1.6	3
213	Copolymer chain formation of 2-oxazolines by ¹ H-NMR spectroscopy: dependence of sequential composition on substituent structure and monomer ratios. <i>RSC Advances</i> , 2021, 11, 10468-10478.	1.7	3
214	Reconstructing Reliable Powder Patterns from Spikelets (Q)CPMG NMR Spectra: Simplification of UWNMR Crystallography Analysis. <i>Molecules</i> , 2021, 26, 6051.	1.7	3
215	Selective Grafting of Block Copolymers, 3a. Multigraft Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 3293-3300.	1.1	2
216	Thermal Behavior of Tetrahydropyran-Intercalated VOPO ₄ : Structural and Dynamics Study. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 444-451.	1.0	2

#	ARTICLE	IF	CITATIONS
217	Fast Synthesis of Nanostructured Microspheres of a Bridged Silsesquioxane via Ultrasound-Assisted Sol-Gel Processing. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 172-178.	1.1	2
218	²⁷ Al Magic Angle Spinning-Nuclear Magnetic Resonance (MAS-NMR) Analyses Applied to Historical Mortars. <i>International Journal of Architectural Heritage</i> , 2013, 7, 153-164.	1.7	2
219	Preparation of silicon oxynitrocarbide (SiONC) and of its ceramic-fibre-composites via hydrosilylation/radical polymerization/pyrolysis. <i>Journal of Non-Crystalline Solids</i> , 2015, 423-424, 9-17.	1.5	2
220	Ionic π -Conjugated Polymer Networks by Catalyst-Free Polymerization, Photoluminescence and Gas Sorption Behavior. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 1886-1898.	1.1	2
221	Ductile/brittle PA6/PS system: Effect of carbon nanoplatelets-modified interface on performance. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49100.	1.3	2
222	A Volumetric Analysis of the ¹ H NMR Chemical Shielding in Supramolecular Systems. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3333.	1.8	2
223	Theoretical Investigations Into the Variability of the ¹⁵ N Solid-State NMR Parameters Within an Antimicrobial Peptide Ampullosporin A. <i>Physiological Research</i> , 2018, 67, S349-S356.	0.4	2
224	Biodegradable system for drug delivery of hydrolytically labile azanucleoside drugs. <i>Biomedical Papers of the Medical Faculty of the University Palacky, Olomouc, Czechoslovakia</i> , 2016, 160, 222-230.	0.2	2
225	Enantiotropy of Simvastatin as a Result of Weakened Interactions in the Crystal Lattice: Entropy-Driven Double Transitions and the Transient Modulated Phase as Seen by Solid-State NMR Spectroscopy. <i>Molecules</i> , 2022, 27, 679.	1.7	2
226	Formation and local structure of framework Al Lewis sites in beta zeolites. <i>Journal of Chemical Physics</i> , 2022, 156, 104702.	1.2	2
227	Solid state NMR studies of syndiotactic polystyrene/ethylbenzene and poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 123-129.	0.4	1
228	Polymer-solvent interactions in thermoreversible gels of isotactic poly(methyl methacrylate) as studied by measurement of ¹ H NMR relaxation of the solvent. <i>Macromolecular Symposia</i> , 1999, 138, 117-122.	0.4	1
229	Role of magnesium complexes in the anionic polymerization of hexano-6-lactam. <i>E-Polymers</i> , 2006, 6, .	1.3	1
230	Analysis of Al Siting and Distribution in the Framework of ZSM-5 Zeolite. <i>Studies in Surface Science and Catalysis</i> , 2007, 172, 325-328.	1.5	1
231	On the Many-Body Expansion of an Interaction Energy of Some Supramolecular Halogen-Containing Capsules. <i>Molecules</i> , 2021, 26, 4431.	1.7	1
232	In-situ measurement of mechanical properties and dimensional changes of preceramic thermosets during their pyrolysis conversion to ceramics using thermomechanical analysis. <i>Ceramics International</i> , 2021, 47, 23285-23294.	2.3	1
233	Influence of the ultrasonic-assisted synthesis on Al distribution in a MOR zeolite: from gel to resulting material. <i>New Journal of Chemistry</i> , 0, , .	1.4	1
234	Multiscale approach to mechanical behavior of polymeric nanocomposites: an application of T1p(13C) relaxation experiments at variable spin-locking fields. <i>Polimery</i> , 2014, 59, 662-666.	0.4	1

#	ARTICLE	IF	CITATIONS
235	Potential and Limitations of 2D 1H-1H Spin-Exchange CRAMPS Experiments to Characterize Structures of Organic Solids. , 2002, , 107-132.		0
236	Polymerization of monomers initiated by silyl centers in SiO deposits prepared by pulsed laser ablation. Journal of Applied Polymer Science, 2006, 102, 4488-4492.	1.3	0
237	Long-term X-ray stimulated crystallization of poly(<i>N</i> -methyl-dodecano-1,2-lactam) in blend with poly(styrene- <i>stat</i> -acrylic acid). Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 311-321.	2.4	0
238	Polyamide/layered silicate nanocomposites: A correlation between fracture toughness and molecular mobility. E-Polymers, 2009, 9, .	1.3	0
239	Modified Crystalline Structure of Silane-Crosslinked Polyethylene in the Proximity of Nanodiamonds. Macromolecular Materials and Engineering, 2016, 301, 441-450.	1.7	0
240	Probing the ⁹¹ Zr NMR parameters in the solid state by a combination of DFT calculations and experiments. Chemical Physics Letters, 2020, 738, 136855.	1.2	0
241	Structural Changes of Sodium Warfarin in Tablets Affecting the Dissolution Profiles and Potential Safety of Generic Substitution. Pharmaceutics, 2021, 13, 1364.	2.0	0
242	Cinchonine-based organosilica materials as heterogeneous catalysts of enantioselective alkene dihydroxylation. Journal of Catalysis, 2021, 404, 493-500.	3.1	0
243	Modeling the Structure of Crystalline Alamethicin and Its NMR Chemical Shift Tensors. Antibiotics, 2021, 10, 1265.	1.5	0
244	Fluoroethylene Carbonate Containing Electrolytes: Origin of Poor Shelf Life and Its Mitigation. ECS Meeting Abstracts, 2019, , .	0.0	0
245	NMR Crystallography of Monovalent Cations in Inorganic Matrices: Na ⁺ Siting and the Local Structure of Na ⁺ Sites in Ferrierites. Journal of Physical Chemistry C, 0, , .	1.5	0