

Stefan Spange

List of Publications by Year in descending order

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156
papers

3,988
citations

147566

31
h-index

149479

56
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165
all docs

165
docs citations

165
times ranked

3756
citing authors

#	ARTICLE	IF	CITATIONS
1	A hydrogen bond accepting (HBA) scale for anions, including room temperature ionic liquids. <i>New Journal of Chemistry</i> , 2008, 32, 392.	1.4	258
2	Acylhydrazones as Reversible Covalent Crosslinkers for Self-Healing Polymers. <i>Advanced Functional Materials</i> , 2015, 25, 3295-3301.	7.8	203
3	Carbon-Based Anodes for Lithium Sulfur Full Cells with High Cycle Stability. <i>Advanced Functional Materials</i> , 2014, 24, 1284-1289.	7.8	168
4	New aspects on the hydrogen bond donor (HBD) strength of 1-butyl-3-methylimidazolium room temperature ionic liquids. <i>New Journal of Chemistry</i> , 2008, 32, 1493.	1.4	159
5	The dipolarity/polarisability of 1-alkyl-3-methylimidazolium ionic liquids as function of anion structure and the alkyl chain length. <i>New Journal of Chemistry</i> , 2010, 34, 1135.	1.4	137
6	Twin Polymerization at Spherical Hard Templates: An Approach to Size-Adjustable Carbon Hollow Spheres with Micro- or Mesoporous Shells. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6088-6091.	7.2	123
7	Self-healing metallopolymers based on cadmium bis(terpyridine) complex containing polymer networks. <i>Polymer Chemistry</i> , 2013, 4, 4966.	1.9	119
8	Correlation of molecular structure and polarity of ionic liquids. <i>Journal of Molecular Liquids</i> , 2014, 192, 137-143.	2.3	113
9	New aspects on polarity of 1-alkyl-3-methylimidazolium salts as measured by solvatochromic probes. <i>New Journal of Chemistry</i> , 2006, 30, 533.	1.4	110
10	Nanostructured Organic-Inorganic Composite Materials by Twin Polymerization of Hybrid Monomers. <i>Advanced Materials</i> , 2009, 21, 2111-2116.	11.1	108
11	Determination of empirical polarity parameters of the cellulose solvent N,N-dimethylacetamide/LiCl by means of the solvatochromic technique. <i>Journal of Polymer Science Part A</i> , 1998, 36, 1945-1955.	2.5	90
12	Nanocomposites Prepared by Twin Polymerization of a Single-Source Monomer. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 628-632.	7.2	78
13	Hydrogen-Bond Donating and Dipolarity/Polarizability Properties of Chemically Functionalized Silica Particles. <i>Langmuir</i> , 1999, 15, 141-150.	1.6	66
14	Nanocomposites with Structure Domains of 0.5 to 3 μm by Polymerization of Silicon Spiro Compounds. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8254-8258.	7.2	63
15	A Concept for the Fabrication of Penetrating Carbon/Silica Hybrid Materials. <i>Advanced Materials</i> , 2000, 12, 1671-1675.	11.1	59
16	Nitro-Substituted Stilbeneboronate Pinacol Esters and Their Fluoro-Adducts. Fluoride Ion Induced Polarity Enhancement of Arylboronate Esters. <i>Journal of Organic Chemistry</i> , 2007, 72, 4328-4339.	1.7	57
17	Probing the Surface Polarity of Various Silicas and Other Moderately Strong Solid Acids by Means of Different Genuine Solvatochromic Dyes. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6417-6428.	1.2	55
18	ET(30) Surface Polarity Parameters of Alkyl- and Aryl-Group-Functionalized Silica Particles: Differentiating the Surface Environments by Means of the Application of Differently Substituted Reichardt's Dyes. <i>Langmuir</i> , 1999, 15, 2103-2111.	1.6	49

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19	Electronically Strongly Coupled Divinylheterocyclic-bridged Diruthenium Complexes. Chemistry - A European Journal, 2016, 22, 783-801.	1.7	49
20	4,4'-bis(dimethylamino)benzophenon (Michlers Keton) - ein universeller Indikator zur Bestimmung der Acidität, Dipolarität und Polarisierbarkeit von Reaktionsmedien. Liebigs Annalen Der Chemie, 1992, 1992, 423-428.	0.8	48
21	Synthesis of Nanosized TiO ₂ by Cationic Polymerization of (μ ₄ -oxido)hexakis(μ ₂ -furfuryloxo)octakis(furfuryloxo)tetra-titanium. Advanced Materials, 2008, 20, 4113-4117.	11.1	47
22	Twin Polymerization - a New Principle for Hybrid Material Synthesis. Macromolecular Rapid Communications, 2015, 36, 1623-1639.	2.0	44
23	Probing Surface Basicity of Solid Acids with an Aminobenzodifurandione Dye as the Solvatochromic Probe. Journal of Physical Chemistry B, 2005, 109, 7280-7289.	1.2	41
24	Mutual Lewis Acid-Base Interactions of Cations and Anions in Ionic Liquids. Chemistry - A European Journal, 2013, 19, 288-293.	1.7	40
25	Solvatochromism and linear solvation energy relationship of diol- and proline-functionalized azo dyes using the Kamlet-Taft and Catalytic solvent parameter sets. New Journal of Chemistry, 2008, 32, 2180.	1.4	39
26	Dipolarity versus Polarizability and Acidity versus Basicity of Ionic Liquids as a Function of Their Molecular Structures. Chemistry - A European Journal, 2014, 20, 2232-2243.	1.7	39
27	Empirical Polarity Parameters of Celluloses and Related Materials. Cellulose, 2003, 10, 201-212.	2.4	38
28	A solvatochromic dye for probing significantly the dipolarity/polarizability of HBD (hydrogen bond) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (ket	1.4	37
29	Äeber Pyridinium-phenolat-Betaine und ihre Verwendung zur Charakterisierung der Polarität von Lösungsmitteln, XVI. Bestimmung der empirischen Lösungsmittelpolaritätsparameter $\epsilon_T(30)$ und $f_A^{1/4r}$ 55 substituierte Phenole. Liebigs Annalen Der Chemie, 1991, 1991, 323-329.	0.8	34
30	A Modular Approach for the Synthesis of Nanostructured Hybrid Materials with Tailored Properties: The Simultaneous Twin Polymerization. Angewandte Chemie - International Edition, 2012, 51, 3258-3261.	7.2	34
31	Cu(tmen)(acac) ₂ as an Ultraviolet-Visible Spectroscopic Probe for the Surface Hydrogen Bond Accepting Ability of Anions Adsorbed to Silica and Chemically Functionalized Silicas. Langmuir, 1998, 14, 3479-3483.	1.6	33
32	Unusual solvatochromism of the 4,4'-bis(dimethylamino)benzophenone (Michler's) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (ket	0.9	31
33	Theoretical Study of Twin Polymerization - From Chemical Reactivity to Structure Formation. Macromolecular Theory and Simulations, 2012, 21, 615-628.	0.6	30
34	Thermally Induced Twin Polymerization of 4,4'-bis(dimethylamino)benzodioxasilines. Chemistry - A European Journal, 2014, 20, 8040-8053.	1.7	30
35	Controlled synthesis of stable poly(vinyl formamide-co-vinyl amine)/silica hybrid particles by interfacial post-cross-linking reactions. Colloid and Polymer Science, 2000, 278, 48-56.	1.0	29
36	Structure and Surface Polarity of Poly(vinylformamide-co-vinylamine) (PVFA-co-PVAm)/Silica Hybrid Materials. Langmuir, 2001, 17, 3080-3086.	1.6	29

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37	Differentiating Between Dipolarity and Polarizability Effects of Solvents Using the Solvatochromism of Barbiturate Dyes. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 4475-4481.	1.2	29
38	Selective ring opening of 4H-1,3,2-benzodioxasiline twin monomers. <i>New Journal of Chemistry</i> , 2011, 35, 2735.	1.4	29
39	Microporous Carbon and Mesoporous Silica by Use of Twin Polymerization: An Integrated Experimental and Theoretical Approach to Precursor Reactivity. <i>ChemPlusChem</i> , 2014, 79, 1009-1023.	1.3	27
40	Reappraisal of Empirical Solvent Polarity Scales for Organic Solvents. <i>Chemistry Methods</i> , 2021, 1, 42-60.	1.8	26
41	Solvatochromism and acidochromism of azobenzene-functionalized poly(vinyl amines). <i>New Journal of Chemistry</i> , 2012, 36, 1655.	1.4	25
42	Endowing Carbon Black Pigment Particles with Primary Amino Groups. <i>Langmuir</i> , 2009, 25, 9071-9077.	1.6	24
43	Electrophilic Substituent Constant σ^+ of Electron Donor Substituents in Nonpolar Media. <i>Journal of Organic Chemistry</i> , 2009, 74, 3316-3322.	1.7	22
44	Adsorption of Poly(vinyl formamide-co-vinyl amine) (PVFA-co-PVAm) Polymers on Zinc, Zinc Oxide, Iron, and Iron Oxide Surfaces. <i>Langmuir</i> , 2011, 27, 14279-14289.	1.6	22
45	Carbon/carbon nanocomposites fabricated by base catalyzed twin polymerization of a Si-spiro compound on graphite sheets. <i>Chemical Communications</i> , 2012, 48, 9867.	2.2	22
46	Relationship between hyperfine coupling constants of spin probes and empirical polarity parameters of some ionic liquids. <i>New Journal of Chemistry</i> , 2010, 34, 2125.	1.4	21
47	Cationic Twin Polymerization Versus Simultaneous Polymerization of Titanium Compounds to Fabricate Nanostructured Organic Polymer/TiO ₂ Hybrid Materials. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1000-1010.	1.1	21
48	Complementary interpretation of $E_T(30)$ polarity parameters of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9954-9966.	1.3	21
49	The physical significance of the Kamlet-Taft π^* parameter of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 1616-1626.	1.3	21
50	Electrokinetic and solvatochromic studies of functionalized silica particles. <i>Journal of Adhesion Science and Technology</i> , 2000, 14, 399-414.	1.4	20
51	Polymer-derived nanoporous silicon carbide with monodisperse spherical pores. <i>Journal of Materials Chemistry</i> , 2012, 22, 24841.	6.7	20
52	Probing the Polarity of Various Cellulose Derivatives with Genuine Solvatochromic Indicators. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 1315-1322.	1.1	19
53	A Pyridinium-Barbiturate-Betaine Dye with Pronounced Negative Solvatochromism: A New Approach for Molecular Recognition. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7440-7443.	7.2	19
54	Probing the surface polarity of inorganic oxides using merocyanine-type dyes derived from barbituric acid. <i>New Journal of Chemistry</i> , 2012, 36, 674-684.	1.4	19

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55	Linear solvation energy (LSE) correlations of the solvatochromic response and x-ray structure analysis of hydrophilically N-substituted Michler's ketone derivatives. <i>Journal of Physical Organic Chemistry</i> , 2001, 14, 247-255.	0.9	18
56	Hierarchical Porous Carbon Cathode for Lithium-Sulfur Batteries Using Carbon Derived from Hybrid Materials Synthesized by Twin Polymerization. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800364.	1.2	18
57	Ferrocenyl-Pyrenes, Ferrocenyl-Phenanthrenediones, and Ferrocenyl-Dimethoxyphenanthrenes: Charge-Transfer Studies and SWCNT Functionalization. <i>Chemistry - A European Journal</i> , 2020, 26, 2635-2652.	1.7	18
58	Novel Adhesion Promoter for Metal-Plastic Composites. <i>Advanced Engineering Materials</i> , 2015, 17, 802-809.	1.6	17
59	Interactions of Enolizable Barbiturate Dyes. <i>Chemistry - A European Journal</i> , 2016, 22, 5734-5748.	1.7	17
60	Solid-state Structures of N-Substituted Michler's Ketones and Their Relation to Solvatochromism. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 4159-4168.	1.2	16
61	Radical Grafting Polymerization of Vinylformamide with Functionalized Silica Particles. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 725-732.	1.1	16
62	Poly(Vinylformamide-co-Vinylamine)/Inorganic Oxide Hybrid Materials. <i>Advances in Polymer Science</i> , 2004, , 43-78.	0.4	16
63	A non-aqueous procedure to synthesize amino group bearing nanostructured organic-inorganic hybrid materials. <i>Chemical Communications</i> , 2014, 50, 9753.	2.2	16
64	Aminobenzodione-based polymers with low bandgaps and solvatochromic behavior. <i>Polymer Chemistry</i> , 2014, 5, 3817.	1.9	16
65	Fluorosolvatochromism of furanyl- and thiophenyl-substituted acetophenones. <i>New Journal of Chemistry</i> , 2015, 39, 5171-5179.	1.4	16
66	Polarity of tetraalkylammonium-based ionic liquids and related low temperature molten salts. <i>New Journal of Chemistry</i> , 2017, 41, 8561-8567.	1.4	16
67	Fabrication and Characterization of Fullerene Functionalized Poly(vinyl formamide-co-vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.6	15
68	Fabrication of carbon/silica hybrid materials using cationic polymerization and the sol-gel process. <i>Macromolecular Symposia</i> , 2002, 177, 111-124.	0.4	15
69	Amino-acid-functionalized solvatochromic probes. <i>Journal of Physical Organic Chemistry</i> , 2008, 21, 242-250.	0.9	15
70	An Enolisable Barbiturate with Adjustable Hydrogen-Bonding Structure for UV/Vis Detection of Nucleic Acid Bases and Related Compounds. <i>Chemistry - A European Journal</i> , 2008, 14, 9338-9346.	1.7	15
71	Solvatochromism of catechol derivatives - solute/solvent interactions. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 1261-1268.	0.9	15
72	Negative Solvatochromism of an Anionic Thiazole-Based Dye. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 498-503.	1.3	15

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73	Zirconium and Hafnium Twin Monomers for Mixed Oxides. <i>ChemPlusChem</i> , 2015, 80, 559-567.	1.3	15
74	Surface Functionalization of Silica with 2-Vinylfuran by Cationic Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 841-849.	1.1	14
75	Hydrophobically Functionalized Chitosan Particles. <i>Journal of Adhesion Science and Technology</i> , 2009, 23, 297-315.	1.4	14
76	Adsorption of Poly(vinylformamide-co-vinylamine) Polymers (PVFA-co-PVAm) on Copper. <i>Langmuir</i> , 2012, 28, 14935-14943.	1.6	14
77	The Solvent-Like Nature of Silica Particles in Organic Solvents. <i>Monatshefte für Chemie</i> , 2001, 132, 1347-1361.	0.9	13
78	Probing surface acidity, basicity, and dipolarity/polarizability of 12-tungstophosphoric acid by means of solvatochromic dyes. <i>New Journal of Chemistry</i> , 2002, 26, 1179-1184.	1.4	13
79	Surface polarity of cellulose derivates observed by coumarin 151 and 153 as solvatochromic and fluoro-chromic probes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 1210-1218.	2.4	13
80	Influence of the Boron Atom on the Solvatochromic Properties of 4-Nitroaniline-Functionalized Boronate Esters. <i>Journal of Organic Chemistry</i> , 2012, 77, 5049-5055.	1.7	13
81	Nucleophilic Substitution of 4-Fluoronitrobenzene with Polyvinylamine in Water Mediated by Cyclodextrins. <i>Macromolecular Rapid Communications</i> , 2001, 22, 1288.	2.0	12
82	Synthesis and properties of crosslinked polyvinylformamide and polyvinylamine hydrogels in conjunction with silica particles. <i>Journal of Polymer Science Part A</i> , 2002, 40, 3144-3152.	2.5	12
83	UV/Vis Spectroscopic Properties of N-(2-Hydroxy-4-N,N-dimethyl-aminobenzylidene)-4-nitroaniline in Various Solvents and Solid Environments. <i>Monatshefte für Chemie</i> , 2003, 134, 361-370.	0.9	12
84	Kinetic Studies on the Nucleophilic Aromatic Substitution of Fluoronitrobenzene Derivatives with Polyvinylamine in Water Mediated by 2,6-O-Dimethyl-β-cyclodextrin. <i>Macromolecules</i> , 2005, 38, 10034-10041.	2.2	11
85	A solvatochromic study of silicates and borate containing 4-nitrocatechol ligands. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 203-211.	0.9	10
86	Synthesis of dye functionalized xerogels via nucleophilic aromatic substitution of fluoro aromatic compounds with aminosilanes. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 53, 328-341.	1.1	10
87	Radical Polymerization of MMA Co-initiated by 2-Phenylloxazoline. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1473-1483.	1.1	10
88	Thermally cleavable imine base/isocyanate adducts and oligomers suitable as initiators for radical homo- and copolymerization. <i>Polymer Chemistry</i> , 2014, 5, 6678-6686.	1.9	10
89	The Negative Solvatochromism of Reichardt's Dye B30 – A Complementary Study. <i>ChemPhysChem</i> , 2022, 23, .	1.0	10
90	Adsorption of Poly(vinyl formamide-co-vinyl amine) (PVFA-co-PVAm) onto Metal Surfaces. , 0, , 110-116.		9

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91	Polyamide 6/silica hybrid materials by a coupled polymerization reaction. <i>Polymer Chemistry</i> , 2015, 6, 6297-6304.	1.9	9
92	Hierarchically structured carbon/carbon nanocomposites with adjustable porosity fabricated by twin polymerization. <i>Microporous and Mesoporous Materials</i> , 2017, 246, 62-71.	2.2	9
93	Surface Polarity of Dimethylsiloxane-Grafted Silica Particles. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 364-371.	1.1	8
94	Internal Polarity of Class I and Class II Type Sol-Gel Hybrid Materials Using Aromatic Aminoketones as Solvatochromic Probes for Adsorbed Solvents and the Silicatic Cage. <i>Journal of Sol-Gel Science and Technology</i> , 2005, 34, 77-94.	1.1	8
95	Chiral 1,2- and 1,3-Diol-Functionalized Chromophores as Lego Building Blocks for Coupled Structures. <i>Journal of Organic Chemistry</i> , 2005, 70, 8564-8567.	1.7	8
96	Barbituric Acid as a Substituent at Aryl Methylum Ions. <i>Journal of Organic Chemistry</i> , 2006, 71, 7850-7853.	1.7	8
97	Chromo- and fluorophoric water-soluble polymers and silica particles by nucleophilic substitution reaction of poly(vinyl amine). <i>Beilstein Journal of Organic Chemistry</i> , 2010, 6, .	1.3	8
98	Functional mesoporous aluminosilicate nanoparticles as host material to fabricate photo-switchable polymer films. <i>Journal of Materials Chemistry</i> , 2011, 21, 5083.	6.7	8
99	Inorganic-organic hybrid material coatings by using multifunctional epoxides and twin polymerization. <i>Thin Solid Films</i> , 2019, 669, 281-287.	0.8	8
100	Amino Group Bearing Organic-Inorganic Hybrid Materials for Joining Aluminum Alloys and Thermoplastic Fiber-Reinforced Parts. <i>Advanced Materials Interfaces</i> , 2017, 4, 1601115.	1.9	8
101	Aqueous poly(N-Vinylformamide-co-Vinylamine) as a suitable adhesion promoter for wood veneer/biopolyethylene composite materials. <i>BioResources</i> , 2017, 12, 8134-8159.	0.5	8
102	Peculiar Behavior of Azolium Azolate Energetic Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2571-2576.	2.1	7
103	Synthesis and optical properties of naphthopyran dyes conjugated with fluorescent stilbazolium moieties. <i>New Journal of Chemistry</i> , 2013, 37, 1479.	1.4	7
104	The Controlled Synthesis of Carbon Tubes and Rods by Template-Assisted Twin Polymerization. <i>Advances in Materials Science and Engineering</i> , 2013, 2013, 1-8.	1.0	7
105	Resin and carbon foam production by cationic step-growth polymerization of organic carbonates. <i>Polymer Chemistry</i> , 2017, 8, 404-413.	1.9	7
106	Hierarchically structured carbon and silica by chemical foaming. <i>Polymer Chemistry</i> , 2018, 9, 1385-1396.	1.9	7
107	Basalt fiber reinforced polymers with improved thermal and mechanical properties by combination of twin polymerization with epoxide chemistry. <i>Polymer Composites</i> , 2019, 40, 3115-3121.	2.3	7
108	Solvatochromism of carbenium-arene EDA (electron donor-acceptor) complexes and their behaviour on silica. <i>Journal of Physical Organic Chemistry</i> , 2001, 14, 271-283.	0.9	6

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109	Enhancing the Reactivity of an Electrophilic Barbiturate Dye by Cooperative Hydrogen Bonding. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 259-264.	1.2	6
110	Chromophoric Barbituric Acid Derivatives with Adjustable Hydrogen Bonding Patterns as Component for Supramolecular Structures. <i>Macromolecular Symposia</i> , 2010, 287, 8-15.	0.4	6
111	Acceleration of the imine base/isocyanate (IBI)-mediated polymerization of MMA caused by ionic liquid traces. <i>Journal of Polymer Science Part A</i> , 2013, 51, 687-695.	2.5	6
112	Nanostructured Aniline Formaldehyde Resin/Polysilazane Hybrid Materials by Twin Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2462-2472.	1.1	6
113	Nitrogen-containing porous carbon materials by twin polymerization. <i>Colloid and Polymer Science</i> , 2018, 296, 413-426.	1.0	6
114	Maleic anhydride copolymers as adhesion-promoting reagent in wood veneer/biopolyethylene composite materials. <i>Polymer Composites</i> , 2019, 40, 1979-1988.	2.3	6
115	Synthesis and application of oligo(vinylamine). <i>Macromolecular Symposia</i> , 2000, 161, 149-158.	0.4	5
116	Cationic polymerization of 2-vinylthiophene - the polymer structure formation. <i>Polymer Bulletin</i> , 2001, 47, 31-37.	1.7	5
117	Structure and solvatochromism of heteroaromatic aminoketones containing thiophene moieties. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 1086-1098.	0.9	5
118	Synthesis, properties, and solvatochromism of 1,3-dimethyl-5-((thien-2-yl)-[4-(1-piperidyl)phenyl]methylidene)-(1H,3H)-pyrimidine-2,4,6-trione. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 264-270.	0.9	5
119	Highly Lewis Acidic Arylboronate Esters Capable of Colorimetric Turn-On Response. <i>Chemistry - A European Journal</i> , 2015, 21, 17890-17896.	1.7	5
120	Ternary organic-inorganic nanostructured hybrid materials by simultaneous twin polymerization. <i>Polymer Chemistry</i> , 2016, 7, 5060-5068.	1.9	5
121	Multiple polymerization - formation of hybrid materials consisting of two or more polymers from one monomer. <i>Polymer Chemistry</i> , 2016, 7, 6826-6833.	1.9	5
122	Kinetics of Electrophilic Alkylations of Barbiturate and Thiobarbiturate Anions. <i>Journal of Organic Chemistry</i> , 2017, 82, 8476-8488.	1.7	5
123	Ternary composites by an <i>in situ</i> hydrolytic polymerization process. <i>RSC Advances</i> , 2018, 8, 14713-14721.	1.7	5
124	B ₂ O ₃ /SiO ₂ /Phenolic Resin Hybrid Materials Produced by Simultaneous Twin Polymerization of Spiromonomers. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700487.	1.1	5
125	A reactive bond fluctuation model (rBFM) for twin polymerization: Comparison of simulated morphologies with experimental data. <i>Chemical Physics Letters</i> , 2018, 713, 145-148.	1.2	5
126	Processing and properties of natural fiber reinforced semi-finished polymers. <i>Journal of Advanced Science</i> , 2001, 13, 137-141.	0.1	5

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127	Cationic Polymerization of 2-Vinylthiophene by Chloroarylmethanes as Surface Initiators on Silica and Consecutive Hydride Abstraction by Acceptors. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 1667-1676.	1.1	4
128	para-Nitroaniline-functionalized chromophoric organic-inorganic hybrid materials. <i>Journal of Materials Chemistry</i> , 2012, 22, 3839.	6.7	4
129	Kinetic studies on the imine base/isocyanate-induced radical polymerization of vinyl monomers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3324-3331.	2.5	4
130	Self-Healing Materials: Acylhydrazones as Reversible Covalent Crosslinkers for Self-Healing Polymers (<i>Adv. Funct. Mater.</i> 22/2015). <i>Advanced Functional Materials</i> , 2015, 25, 3278-3278.	7.8	4
131	Functional twin monomers and twin macro monomers as components for the synthesis of hierarchically nanostructured hybrid materials*. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2312-2320.	2.5	4
132	Electronic Structure Calculations and Experimental Studies on the Thermal Initiation of the Twin Polymerization Process. <i>ChemPlusChem</i> , 2017, 82, 1396-1407.	1.3	4
133	Natural unidirectional sheet processes for fibre reinforced bioplastics. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	4
134	Multi-layer hybrid coatings with high gas barrier properties and optical quality. <i>Thin Solid Films</i> , 2020, 710, 138261.	0.8	4
135	The influence of the cation structure on the basicity-related polarity of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26750-26760.	1.3	4
136	Functionalization of silica particles towards cationic polyelectrolytes using vinylformamide and 1,3-divinylimidazolidin-2-one as monomers. <i>Macromolecular Symposia</i> , 2001, 163, 87-96.	0.4	3
137	Kinetic Study on the Catalytic Effect of Ionic Liquids on the Polymerization of Methyl Methacrylate Co-initiated by Imine Bases. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 386-394.	1.1	3
138	Molecular aspects on the amino acid-mediated sol-gel process of tetramethoxysilane in water. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 250-262.	1.1	3
139	The Reaction of Poly(Vinyl Amine) with Acetone in Water. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800444.	1.1	3
140	Reversible and Stable Hemiaminal Hydrogels from Polyvinylamine and Highly Reactive and Selective Bis(<i>N</i> -acylpiperidone)s. <i>ACS Macro Letters</i> , 2021, 10, 389-394.	2.3	3
141	Surface-mediated twin polymerisation of 2,2'-spirobi[4 <i>H</i> -1,3,2-benzodioxasiline] on multi-walled carbon nanotubes, polyacrylonitrile particles and copper particles. <i>Materials Advances</i> , 2022, 3, 3925-3937.	2.6	3
142	Synthesis of Superabsorbent Poly(vinylamine) Core-Shell Particles Monitored by Time-Domain NMR. <i>Macromolecules</i> , 2022, 55, 349-358.	2.2	3
143	Structure formation of poly(furfuryl alcohol)/silica hybrids. <i>Studies in Surface Science and Catalysis</i> , 2001, 132, 301-306.	1.5	2
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