Stefan Spange

List of Publications by Year
in descending order

156 papers	3,988 citations	147801 31 h-index	149698 56 g-index
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. New Journal of Chemistry, 2008, 32, 392.	2.8	258
2	Acylhydrazones as Reversible Covalent Crosslinkers for Selfâ€Healing Polymers. Advanced Functional Materials, 2015, 25, 3295-3301.	14.9	203
3	Carbonâ€Based Anodes for Lithium Sulfur Full Cells with High Cycle Stability. Advanced Functional Materials, 2014, 24, 1284-1289.	14.9	168
4	New aspects on the hydrogen bond donor (HBD) strength of 1-butyl-3-methylimidazolium room temperature ionic liquids. New Journal of Chemistry, 2008, 32, 1493.	2.8	159
5	The dipolarity/polarisability of 1-alkyl-3-methylimidazolium ionic liquids as function of anion structure and the alkyl chain length. New Journal of Chemistry, 2010, 34, 1135.	2.8	137
6	Twin Polymerization at Spherical Hard Templates: An Approach to Sizeâ€Adjustable Carbon Hollow Spheres with Microâ€•or Mesoporous Shells. Angewandte Chemie - International Edition, 2013, 52, 6088-6091.	13.8	123
7	Self-healing metallopolymers based on cadmium bis(terpyridine) complex containing polymer networks. Polymer Chemistry, 2013, 4, 4966.	3.9	119
8	Correlation of molecular structure and polarity of ionic liquids. Journal of Molecular Liquids, 2014, 192, 137-143.	4.9	113
9	New aspects on polarity of 1-alkyl-3-methylimidazolium salts as measured by solvatochromic probes. New Journal of Chemistry, 2006, 30, 533.	2.8	110
10	Nanostructured Organicâ€“Inorganic Composite Materials by Twin Polymerization of Hybrid Monomers. Advanced Materials, 2009, 21, 2111-2116.	21.0	108
11	Determination of empirical polarity parameters of the cellulose solventN,N-dimethylacetamide/LiCl by means of the solvatochromic technique. Journal of Polymer Science Part A, 1998, 36, 1945-1955.	2.3	90
12	Nanocomposites Prepared by Twin Polymerization of a Single-Source Monomer. Angewandte Chemie - International Edition, 2007, 46, 628-632.	13.8	78
13	Hydrogen-Bond Donating and Dipolarity/Polarizability Properties of Chemically Functionalized Silica Particles. Langmuir, 1999, 15, 141-150.	3.5	66
14	Nanocomposites with Structure Domains of 0.5 to 3â€…nm by Polymerization of Silicon Spiro Compounds. Angewandte Chemie - International Edition, 2009, 48, 8254-8258.	13.8	63
15	A Concept for the Fabrication of Penetrating Carbon/Silica Hybrid Materials. Advanced Materials, 2000, 12, 1671-1675.	21.0	59
16	Nitro-Substituted Stilbeneboronate Pinacol Esters and Their Fluoro-Adducts. Fluoride Ion Induced Polarity Enhancement of Arylboronate Esters. Journal of Organic Chemistry, 2007, 72, 4328-4339.	3.2	57
17	Probing the Surface Polarity of Various Silicas and Other Moderately Strong Solid Acids by Means of Different Genuine Solvatochromic Dyes. Journal of Physical Chemistry B, 2000, 104, 6417-6428.	2.6	55
18	ET(30) Surface Polarity Parameters of Alkyl- and Aryl-Group-Functionalized Silica Particles:â€‰Differentiating the Surface Environments by Means of the Application of Differently Substituted Reichardt's Dyes. Langmuir, 1999, 15, 2103-2111.	3.5	49

#	Article	IF	Citations
19	Electronically Strongly Coupled Divinylheterocyclicâ€Bridged Diruthenium Complexes. Chemistry - A European Journal, 2016, 22, 783-801.	3.3	49
20	4,4â€²â€Bis(dimethylamino)benzophenon (Michlers Keton) â€" ein universeller Indikator zur Bestimmung der AciditÃt, DipolaritÃt und Polarisierbarkeit von Reaktionsmedien. Liebigs Annalen Der Chemie, 1992, 1992, 423-428.	0.8	48
21	Synthesis of Nanosized TiO₂ by Cationic Polymerization of (Âµ₄â€oxido)â€hexakis(Âµâ€furfuryloxo)â€octakis(furfuryloxo)â€tetraâ€titanium. Advanced Materials, 2008, 20, 4113-4117.	21.0	47
22	Twin Polymerizationâ€"a New Principle for Hybrid Material Synthesis. Macromolecular Rapid Communications, 2015, 36, 1623-1639.	3.9	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.	2.6	41
24	Mutual Lewis Acidâ€"Base Interactions of Cations and Anions in Ionic Liquids. Chemistry - A European Journal, 2013, 19, 288-293.	3.3	40
25	Solvatochromism and linear solvation energy relationship of diol- and proline-functionalized azo dyes using the Kamletâ€"Taft and CatalÃ¡n solvent parameter sets. New Journal of Chemistry, 2008, 32, 2180.	2.8	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.	3.3	39
27	Empirical Polarity Parameters of Celluloses and Related Materials. Cellulose, 2003, 10, 201-212.	4.9	38
28	A solvatochromic dye for probing significantly the dipolarity/polarizability of HBD (hydrogen bond) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.8	37
29	Ãœber Pyridiniumâ€Nâ€phenolatâ€Betaine und ihre Verwendung zur Charakterisierung der PolaritÃt von LÃ¶sungsmitteln, XVI. Bestimmung der empirischen LÃ¶sungsmittelpolaritÃtsâ€Parameter E_T(30) und AN fÃ¼r 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.	13.8	34
31	Cu(tmen)(acac)+as an Ultravioletâ^'Visible Spectroscopic Probe for the Surface Hydrogen Bond Accepting Ability of Anions Adsorbed to Silica and Chemically Functionalized Silicas. Langmuir, 1998, 14, 3479-3483.	3.5	33
32	Unusual solvatochromism of the 4,4â€²-bis(dimethylamino)benzophenone (Michler's) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (ket 1999, 12, 547-556.	1.9	31
33	Theoretical Study of Twin Polymerization â€" From Chemical Reactivity to Structure Formation. Macromolecular Theory and Simulations, 2012, 21, 615-628.	1.4	30
34	Thermally Induced Twin Polymerization of 4Hâ€1,3,2â€Benzodioxasilines. Chemistry - A European Journal, 2014, 20, 8040-8053.	3.3	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.	2.1	29
36	Structure and Surface Polarity of Poly(vinylformamide-co-vinylamine) (PVFA-co-PVAm)/Silica Hybrid Materials. Langmuir, 2001, 17, 3080-3086.	3.5	29

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37	Differentiating Between Dipolarity and Polarizability Effects of Solvents Using the Solvatochromism of Barbiturate Dyes. European Journal of Organic Chemistry, 2008, 2008, 4475-4481.	2.4	29
38	Selective ring opening of 4H-1,3,2-benzodioxasiline twin monomers. New Journal of Chemistry, 2011, 35, 2735.	2.8	29
39	Microporous Carbon and Mesoporous Silica by Use of Twin Polymerization: An Integrated Experimental and Theoretical Approach to Precursor Reactivity. ChemPlusChem, 2014, 79, 1009-1023.	2.8	27
40	Reappraisal of Empirical Solvent Polarity Scales for Organic Solvents. Chemistry Methods, 2021, 1, 42-60.	3.8	26
41	Solvatochromism and acidochromism of azobenzene-functionalized poly(vinyl amines). New Journal of Chemistry, 2012, 36, 1655.	2.8	25
42	Endowing Carbon Black Pigment Particles with Primary Amino Groups. Langmuir, 2009, 25, 9071-9077.	3.5	24
43	Electrophilic Substituent Constant Ïƒ⁺ of Electron Donor Substituents in Nonpolar Media. Journal of Organic Chemistry, 2009, 74, 3316-3322.	3.2	22
44	Adsorption of Poly(vinyl formamide-co-vinyl amine) (PVFA-co-PVAm) Polymers on Zinc, Zinc Oxide, Iron, and Iron Oxide Surfaces. Langmuir, 2011, 27, 14279-14289.	3.5	22
45	Carbon/carbon nanocomposites fabricated by base catalyzed twin polymerization of a Si-spiro compound on graphite sheets. Chemical Communications, 2012, 48, 9867.	4.1	22
46	Relationship between hyperfine coupling constants of spin probes and empirical polarity parameters of some ionic liquids. New Journal of Chemistry, 2010, 34, 2125.	2.8	21
47	Cationic Twin Polymerization Versus Simultaneous Polymerization of Titanium Compounds to Fabricate Nanostructured Organic Polymer/TiO₂ Hybrid Materials. Macromolecular Chemistry and Physics, 2013, 214, 1000-1010.	2.2	21
48	Complementary interpretation of E_T(30) polarity parameters of ionic liquids. Physical Chemistry Chemical Physics, 2020, 22, 9954-9966.	2.8	21
49	The physical significance of the Kamletâ€“TaftÏ€* parameter of ionic liquids. Physical Chemistry Chemical Physics, 2021, 23, 1616-1626.	2.8	21
50	Electrokinetic and solvatochromic studies of functionalized silica particles. Journal of Adhesion Science and Technology, 2000, 14, 399-414.	2.6	20
51	Polymer-derived nanoporous silicon carbide with monodisperse spherical pores. Journal of Materials Chemistry, 2012, 22, 24841.	6.7	20
52	Probing the Polarity of Various Cellulose Derivatives with Genuine Solvatochromic Indicators. Macromolecular Chemistry and Physics, 2003, 204, 1315-1322.	2.2	19
53	A Pyridiniumâ€“Barbiturateâ€“Betaine Dye with Pronounced Negative Solvatochromism: A New Approach for Molecular Recognition. Angewandte Chemie - International Edition, 2009, 48, 7440-7443.	13.8	19
54	Probing the surface polarity of inorganic oxides using merocyanine-type dyes derived from barbituric acid. New Journal of Chemistry, 2012, 36, 674-684.	2.8	19

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55	Linear solvation energy (LSE) correlations of the solvatochromic response and x-ray structure analysis of hydrophilicallyN-substituted Michler's ketone derivatives. Journal of Physical Organic Chemistry, 2001, 14, 247-255.	1.9	18
56	Hierarchical Porous Carbon Cathode for Lithiumâ€“Sulfur Batteries Using Carbon Derived from Hybrid Materials Synthesized by Twin Polymerization. Particle and Particle Systems Characterization, 2018, 35, 1800364.	2.3	18
57	Ferrocenylâ€Pyrenes, Ferrocenylâ€9,10â€Phenanthrenediones, and Ferrocenylâ€9,10â€Dimethoxyphenanthrenes: Chargeâ€Transfer Studies and SWCNT Functionalization. Chemistry - A European Journal, 2020, 26, 2635-2652.	3.3	18
58	Novel Adhesion Promoter for Metalâ€“Plastic Composites. Advanced Engineering Materials, 2015, 17, 802-809.	3.5	17
59	Interactions of Enolizable Barbiturate Dyes. Chemistry - A European Journal, 2016, 22, 5734-5748.	3.3	17
60	Solid-state Structures of N-Substituted Michlerâ€™s Ketones and Their Relation to Solvatochromism. European Journal of Organic Chemistry, 2002, 2002, 4159-4168.	2.4	16
61	Radical Grafting Polymerization of Vinylformamide with Functionalized Silica Particles. Macromolecular Chemistry and Physics, 2003, 204, 725-732.	2.2	16
62	Poly(Vinylformamide- co -Vinylamine)/Inorganic Oxide Hybrid Materials. Advances in Polymer Science, 2004, , 43-78.	0.8	16
63	A non-aqueous procedure to synthesize amino group bearing nanostructured organicâ€“inorganic hybrid materials. Chemical Communications, 2014, 50, 9753.	4.1	16
64	Aminobenzodione-based polymers with low bandgaps and solvatochromic behavior. Polymer Chemistry, 2014, 5, 3817.	3.9	16
65	Fluorosolvatochromism of furanyl- and thiophenyl-substituted acetophenones. New Journal of Chemistry, 2015, 39, 5171-5179.	2.8	16
66	Polarity of tetraalkylammonium-based ionic liquids and related low temperature molten salts. New Journal of Chemistry, 2017, 41, 8561-8567.	2.8	16
67	Fabrication and Characterization of Fullerene Functionalized Poly(vinyl formamide-co-vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	3.5	15
68	Fabrication of carbon/silica hybrid materials using cationic polymerization and the sol-gel process. Macromolecular Symposia, 2002, 177, 111-124.	0.7	15
69	Aminoâ€acidâ€functionalized solvatochromic probes. Journal of Physical Organic Chemistry, 2008, 21, 242-250.	1.9	15
70	An Enolisable Barbiturate with Adjustable Hydrogenâ€Bonding Structure for UV/Vis Detection of Nucleic Acid Bases and Related Compounds. Chemistry - A European Journal, 2008, 14, 9338-9346.	3.3	15
71	Solvatochromism of catechol derivatives â€“ solute/solvent interactions. Journal of Physical Organic Chemistry, 2012, 25, 1261-1268.	1.9	15
72	Negative Solvatochromism of an Anionic Thiazoleâ€Based Dye. Asian Journal of Organic Chemistry, 2013, 2, 498-503.	2.7	15

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73	Zirconium and Hafnium Twin Monomers for Mixed Oxides. ChemPlusChem, 2015, 80, 559-567.	2.8	15
74	Surface Functionalization of Silica with 2-Vinylfuran by Cationic Polymerization. Macromolecular Chemistry and Physics, 2003, 204, 841-849.	2.2	14
75	Hydrophobically Functionalized Chitosan Particles. Journal of Adhesion Science and Technology, 2009, 23, 297-315.	2.6	14
76	Adsorption of Poly(vinylformamide-co-vinylamine) Polymers (PVFA-co-PVAm) on Copper. Langmuir, 2012, 28, 14935-14943.	3.5	14
77	The Solvent-Like Nature of Silica Particles in Organic Solvents. Monatshefte FÃ¼r Chemie, 2001, 132, 1347-1361.	1.8	13
78	Probing surface acidity, basicity, and dipolarity/polarizability of 12-tungstophosphoric acid by means of solvatochromic dyes. New Journal of Chemistry, 2002, 26, 1179-1184.	2.8	13
79	Surface polarity of cellulose derivates observed by coumarin 151 and 153 as solvatochromic and fluorochromic probes. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 1210-1218.	2.1	13
80	Influence of the Boron Atom on the Solvatochromic Properties of 4-Nitroaniline-Functionalized Boronate Esters. Journal of Organic Chemistry, 2012, 77, 5049-5055.	3.2	13
81	Nucleophilic Substitution of 4-Fluoronitrobenzene with Polyvinylamine in Water Mediated by Cyclodextrins. Macromolecular Rapid Communications, 2001, 22, 1288.	3.9	12
82	Synthesis and properties of crosslinked polyvinylformamide and polyvinylamine hydrogels in conjunction with silica particles. Journal of Polymer Science Part A, 2002, 40, 3144-3152.	2.3	12
83	UV/Vis Spectroscopic Properties of N -(2?-Hydroxy-4?- N , N -dimethyl-aminobenzylidene)-4-nitroaniline in Various Solvents and Solid Environments. Monatshefte FÃ¼r Chemie, 2003, 134, 361-370.	1.8	12
84	Kinetic Studies on the Nucleophilic Aromatic Substitution of Fluoronitrobenzene Derivatives with Polyvinylamine in Water Mediated by 2,6-O-Dimethyl-Î²-cyclodextrin. Macromolecules, 2005, 38, 10034-10041.	4.8	11
85	A solvatochromic study of silicates and borate containing 4â€nitrocatechol ligands. Journal of Physical Organic Chemistry, 2009, 22, 203-211.	1.9	10
86	Synthesis of dye functionalized xerogels via nucleophilic aromatic substitution of fluoro aromatic compounds with aminosilanes. Journal of Sol-Gel Science and Technology, 2010, 53, 328-341.	2.4	10
87	Radical Polymerization of MMA Coâ€initiated by 2â€Phenyloxazoline. Macromolecular Chemistry and Physics, 2013, 214, 1473-1483.	2.2	10
88	Thermally cleavable imine base/isocyanate adducts and oligomers suitable as initiators for radical homo- and copolymerization. Polymer Chemistry, 2014, 5, 6678-6686.	3.9	10
89	The Negative Solvatochromism of Reichardtâ€˜s Dye B30 â€“ A Complementary Study. ChemPhysChem, 2022, 23, .	2.1	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. Polymer Chemistry, 2015, 6, 6297-6304.	3.9	9
92	Hierarchically structured carbon/carbon nanocomposites with adjustable porosity fabricated by twin polymerization. Microporous and Mesoporous Materials, 2017, 246, 62-71.	4.4	9
93	Surface Polarity of Dimethylsiloxane-Grafted Silica Particles. Macromolecular Chemistry and Physics, 2005, 206, 364-371.	2.2	8
94	Internal Polarity of Class I and Class II Type Solâ€“Gel Hybrid Materials Using Aromatic Aminoketones as Solvatochromic Probes for Adsorbed Solvents and the Silicatic Cage. Journal of Sol-Gel Science and Technology, 2005, 34, 77-94.	2.4	8
95	Chiral 1,2- and 1,3-Diol-Functionalized Chromophores as Lego Building Blocks for Coupled Structures. Journal of Organic Chemistry, 2005, 70, 8564-8567.	3.2	8
96	Barbituric Acid as a Substituent at Aryl Methylium Ions. Journal of Organic Chemistry, 2006, 71, 7850-7853.	3.2	8
97	Chromo- and fluorophoric water-soluble polymers and silica particles by nucleophilic substitution reaction of poly(vinyl amine). Beilstein Journal of Organic Chemistry, 2010, 6, .	2.2	8
98	Functional mesoporous aluminosilicate nanoparticles as host material to fabricate photo-switchable polymer films. Journal of Materials Chemistry, 2011, 21, 5083.	6.7	8
99	Inorganic-organic hybrid material coatings by using multifunctional epoxides and twin polymerization. Thin Solid Films, 2019, 669, 281-287.	1.8	8
100	Amino Group Bearing Organicâ€“Inorganic Hybrid Materials for Joining Aluminum Alloys and Thermoplastic Fiberâ€Reinforced Parts. Advanced Materials Interfaces, 2017, 4, 1601115.	3.7	8
101	Aqueous poly(N-Vinylformamide-co-Vinylamine) as a suitable adhesion promoter for wood veneer/biopolyethylene composite materials. BioResources, 2017, 12, 8134-8159.	1.0	8
102	Peculiar Behavior of Azolium Azolate Energetic Ionic Liquids. Journal of Physical Chemistry Letters, 2011, 2, 2571-2576.	4.6	7
103	Synthesis and optical properties of naphthopyran dyes conjugated with fluorescent stilbazolium moieties. New Journal of Chemistry, 2013, 37, 1479.	2.8	7
104	The Controlled Synthesis of Carbon Tubes and Rods by Template-Assisted Twin Polymerization. Advances in Materials Science and Engineering, 2013, 2013, 1-8.	1.8	7
105	Resin and carbon foam production by cationic step-growth polymerization of organic carbonates. Polymer Chemistry, 2017, 8, 404-413.	3.9	7
106	Hierarchically structured carbon and silica by chemical foaming. Polymer Chemistry, 2018, 9, 1385-1396.	3.9	7
107	Basalt fiber reinforced polymers with improved thermal and mechanical properties by combination of twin polymerization with epoxide chemistry. Polymer Composites, 2019, 40, 3115-3121.	4.6	7
108	Solvatochromism of carbenium-arene EDA (electrondonor-acceptor) complexes and their behaviour on silica. Journal of Physical Organic Chemistry, 2001, 14, 271-283.	1.9	6

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109	Enhancing the Reactivity of an Electrophilic Barbiturate Dye by Cooperative Hydrogen Bonding. European Journal of Organic Chemistry, 2010, 2010, 259-264.	2.4	6
110	Chromophoric Barbituric Acid Derivatives with Adjustable Hydrogenâ€Bonding Patterns as Component for Supramolecular Structures. Macromolecular Symposia, 2010, 287, 8-15.	0.7	6
111	Acceleration of the imine base/isocyanate (IBI)â€mediated polymerization of MMA caused by ionic liquid traces. Journal of Polymer Science Part A, 2013, 51, 687-695.	2.3	6
112	Nanostructured Aniline Formaldehyde Resin/Polysilazane Hybrid Materials by Twin Polymerization. Macromolecular Chemistry and Physics, 2016, 217, 2462-2472.	2.2	6
113	Nitrogen-containing porous carbon materials by twin polymerization. Colloid and Polymer Science, 2018, 296, 413-426.	2.1	6
114	Maleic anhydride copolymers as adhesionâ€promoting reagent in wood veneer/biopolyethlyene composite materials. Polymer Composites, 2019, 40, 1979-1988.	4.6	6
115	Synthesis and application of oligo(vinylamine). Macromolecular Symposia, 2000, 161, 149-158.	0.7	5
116	Cationic polymerization of 2-vinylthiophene - the polymer structure formation. Polymer Bulletin, 2001, 47, 31-37.	3.3	5
117	Structure and solvatochromism of heteroaromatic aminoketones containing thiophene moieties. Journal of Physical Organic Chemistry, 2005, 18, 1086-1098.	1.9	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. Journal of Physical Organic Chemistry, 2007, 20, 264-270.	1.9	5
119	Highly Lewis Acidic Arylboronate Esters Capable of Colorimetric Turnâ€On Response. Chemistry - A European Journal, 2015, 21, 17890-17896.	3.3	5
120	Ternary organicâ€“inorganic nanostructured hybrid materials by simultaneous twin polymerization. Polymer Chemistry, 2016, 7, 5060-5068.	3.9	5
121	Multiple polymerization â€“ formation of hybrid materials consisting of two or more polymers from one monomer. Polymer Chemistry, 2016, 7, 6826-6833.	3.9	5
122	Kinetics of Electrophilic Alkylations of Barbiturate and Thiobarbiturate Anions. Journal of Organic Chemistry, 2017, 82, 8476-8488.	3.2	5
123	Ternary composites by an in situ hydrolytic polymerization process. RSC Advances, 2018, 8, 14713-14721.	3.6	5
124	B₂O₃/SiO₂/Phenolic Resin Hybrid Materials Produced by Simultaneous Twin Polymerization of Spiromonomers. Macromolecular Chemistry and Physics, 2018, 219, 1700487.	2.2	5
125	A reactive bond fluctuation model (rBFM) for twin polymerization: Comparison of simulated morphologies with experimental data. Chemical Physics Letters, 2018, 713, 145-148.	2.6	5
126	Processing and properties of natural fiber reinforced semi-finished polymers.. Journal of Advanced Science, 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. Macromolecular Chemistry and Physics, 2004, 205, 1667-1676.	2.2	4
128	para-Nitroaniline-functionalized chromophoric organicâ€“inorganic hybrid materials. Journal of Materials Chemistry, 2012, 22, 3839.	6.7	4
129	Kinetic studies on the imine base/isocyanateâ€induced radical polymerization of vinyl monomers. Journal of Polymer Science Part A, 2012, 50, 3324-3331.	2.3	4
130	Selfâ€Healing Materials: Acylhydrazones as Reversible Covalent Crosslinkers for Selfâ€Healing Polymers (Adv. Funct. Mater. 22/2015). Advanced Functional Materials, 2015, 25, 3278-3278.	14.9	4
131	Functional twin monomers and twin macro monomers as components for the synthesis of hierarchically nanostructured hybrid materials*. Journal of Polymer Science Part A, 2016, 54, 2312-2320.	2.3	4
132	Electronic Structure Calculations and Experimental Studies on the Thermal Initiation of the Twin Polymerization Process. ChemPlusChem, 2017, 82, 1396-1407.	2.8	4
133	Natural unidirectional sheet processes for fibre reinforced bioplastics. AIP Conference Proceedings, 2017, , .	0.4	4
134	Multi-layer hybrid coatings with high gas barrier properties and optical quality. Thin Solid Films, 2020, 710, 138261.	1.8	4
135	The influence of the cation structure on the basicity-related polarity of ionic liquids. Physical Chemistry Chemical Physics, 2021, 23, 26750-26760.	2.8	4
136	Functionalization of silica particles towards cationic polyelectrolytes using vinylformamide and 1,3-divinylimidazolidin-2-one as monomers. Macromolecular Symposia, 2001, 163, 87-96.	0.7	3
137	Kinetic Study on the Catalytic Effect of Ionic Liquids on the Polymerization of Methyl Methacrylate Coâ€initiated by Imine Bases. Macromolecular Chemistry and Physics, 2015, 216, 386-394.	2.2	3
138	Molecular aspects on the amino acid-mediated solâ€“gel process of tetramethoxysilane in water. Journal of Sol-Gel Science and Technology, 2019, 90, 250-262.	2.4	3
139	The Reaction of Poly(Vinyl Amine) with Acetone in Water. Macromolecular Chemistry and Physics, 2019, 220, 1800444.	2.2	3
140	Reversible and Stable Hemiaminal Hydrogels from Polyvinylamine and Highly Reactive and Selective Bis(N-acylpiperidone)s. ACS Macro Letters, 2021, 10, 389-394.	4.8	3
141	Surface-mediated twin polymerisation of 2,2â€²-spirobi[4H-1,3,2-benzodioxasiline] on multi-walled carbon nanotubes, polyacrylonitrile particles and copper particles. Materials Advances, 2022, 3, 3925-3937.	5.4	3
142	Synthesis of Superabsorbent Poly(vinylamine) Coreâ€“Shell Particles Monitored by Time-Domain NMR. Macromolecules, 2022, 55, 349-358.	4.8	3
143	Structure formation of poly(furfuryl alcohol)/silica hybrids. Studies in Surface Science and Catalysis, 2001, 132, 301-306.	1.5	2
144	Influence of the Reaction Conditions and Molecular Structure on the Kinetic of the Nucleophilic Aromatic Substitution of Fluoro Compounds with Poly(vinyl amine) in Water. Macromolecular Chemistry and Physics, 2012, 213, 1655-1662.	2.2	2

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145	Assemblies from metallic and semiconducting nanocrystals. Applied Physics A: Materials Science and Processing, 2014, 115, 617-625.	2.3	2
146	Structural Aspects of Thermally Cleavable Adducts Derived from the Reaction of Imidazolines with Isocyanates. Synthesis, 2016, 48, 4431-4442.	2.3	2
147	Mechanistic aspects on molecular structure formation of polymeric networks from diisocyanates with amidine compounds. Journal of Polymer Science Part A, 2018, 56, 977-985.	2.3	2
148	Cationic Polymerization of (3â€Aminopropyl)â€•tris â€furfuryloxysilane Derivativesâ€”a New Strategy for Complex Hybrid Material Synthesis. Macromolecular Chemistry and Physics, 2019, 220, 1900050.	2.2	2
149	Textile functionalization by combination of twin polymerization and polyalkoxysiloxaneâ€based solâ€“gel chemistry. Journal of Applied Polymer Science, 2022, 139, .	2.6	2
150	Bromine as an initiator for the oligomerization of vinylformamide (VFA). Polymer Bulletin, 2000, 44, 39-46.	3.3	1
151	Design of nanostructured hybrid materials: twin polymerization of urethane-based twin prepolymers. RSC Advances, 2018, 8, 31673-31681.	3.6	1
152	Determination of empirical polarity parameters of the cellulose solvent N,Nâ€dimethylacetamide/LiCl by means of the solvatochromic technique. Journal of Polymer Science Part A, 1998, 36, 1945-1955.	2.3	1
153	Oxidative Coupling of Poly (2-Vinylthiophene) Chains by FeCl3. Polymer Bulletin, 2004, 52, 219-226.	3.3	0
154	Fabrication of Aromaticâ€Aliphatic Aminoketone Polymers with Terminal Fluorine Groups. Macromolecular Chemistry and Physics, 2010, 211, 1550-1558.	2.2	0
155	Batteries: Carbon-Based Anodes for Lithium Sulfur Full Cells with High Cycle Stability (Adv. Funct.) Tj ETQq1 1 0.784314 rgBT /Overlock	14.9	0
156	Radical Copolymerization of Nâ€Vinylformamide with Methylvinylketone: An Approach to Iminium/Imine Ring Containing Polymers. Macromolecular Chemistry and Physics, 2019, 220, 1800330.	2.2	0