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	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
2	Synthesis of Superabsorbent Poly(vinylamine) Coreâ€“Shell Particles Monitored by Time-Domain NMR. Macromolecules, 2022, 55, 349-358.	4.8	3
3	Textile functionalization by combination of twin polymerization and polyalkoxysiloxaneâ€based solâ€“gel chemistry. Journal of Applied Polymer Science, 2022, 139, .	2.6	2
4	The Negative Solvatochromism of Reichardtâ€˜s Dye B30 â€“ A Complementary Study. ChemPhysChem, 2022, 23, .	2.1	10
5	Reappraisal of Empirical Solvent Polarity Scales for Organic Solvents. Chemistry Methods, 2021, 1, 42-60.	3.8	26
6	The physical significance of the Kamletâ€“TaftÏ€* parameter of ionic liquids. Physical Chemistry Chemical Physics, 2021, 23, 1616-1626.	2.8	21
7	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
8	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
9	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
10	Multi-layer hybrid coatings with high gas barrier properties and optical quality. Thin Solid Films, 2020, 710, 138261.	1.8	4
11	Complementary interpretation of E_T(30) polarity parameters of ionic liquids. Physical Chemistry Chemical Physics, 2020, 22, 9954-9966.	2.8	21
12	Maleic anhydride copolymers as adhesionâ€promoting reagent in wood veneer/biopolyethlyene composite materials. Polymer Composites, 2019, 40, 1979-1988.	4.6	6
13	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
14	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
15	The Reaction of Poly(Vinyl Amine) with Acetone in Water. Macromolecular Chemistry and Physics, 2019, 220, 1800444.	2.2	3
16	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
17	Inorganic-organic hybrid material coatings by using multifunctional epoxides and twin polymerization. Thin Solid Films, 2019, 669, 281-287.	1.8	8
18	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

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19	Hierarchically structured carbon and silica by chemical foaming. Polymer Chemistry, 2018, 9, 1385-1396.	3.9	7
20	Nitrogen-containing porous carbon materials by twin polymerization. Colloid and Polymer Science, 2018, 296, 413-426.	2.1	6
21	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
22	Ternary composites by an in situ hydrolytic polymerization process. RSC Advances, 2018, 8, 14713-14721.	3.6	5
23	B₂O₃/SiO₂/Phenolic Resin Hybrid Materials Produced by Simultaneous Twin Polymerization of Spiromonomers. Macromolecular Chemistry and Physics, 2018, 219, 1700487.	2.2	5
24	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
25	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
26	Design of nanostructured hybrid materials: twin polymerization of urethane-based twin prepolymers. RSC Advances, 2018, 8, 31673-31681.	3.6	1
27	Hierarchically structured carbon/carbon nanocomposites with adjustable porosity fabricated by twin polymerization. Microporous and Mesoporous Materials, 2017, 246, 62-71.	4.4	9
28	Kinetics of Electrophilic Alkylations of Barbiturate and Thiobarbiturate Anions. Journal of Organic Chemistry, 2017, 82, 8476-8488.	3.2	5
29	Polarity of tetraalkylammonium-based ionic liquids and related low temperature molten salts. New Journal of Chemistry, 2017, 41, 8561-8567.	2.8	16
30	Resin and carbon foam production by cationic step-growth polymerization of organic carbonates. Polymer Chemistry, 2017, 8, 404-413.	3.9	7
31	Electronic Structure Calculations and Experimental Studies on the Thermal Initiation of the Twin Polymerization Process. ChemPlusChem, 2017, 82, 1396-1407.	2.8	4
32	Natural unidirectional sheet processes for fibre reinforced bioplastics. AIP Conference Proceedings, 2017, , .	0.4	4
33	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
34	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
35	Electronically Strongly Coupled Divinylheterocyclicâ€Bridged Diruthenium Complexes. Chemistry - A European Journal, 2016, 22, 783-801.	3.3	49
36	Interactions of Enolizable Barbiturate Dyes. Chemistry - A European Journal, 2016, 22, 5734-5748.	3.3	17

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37	Structural Aspects of Thermally Cleavable Adducts Derived from the Reaction of Imidazolines with Isocyanates. Synthesis, 2016, 48, 4431-4442.	2.3	2
38	Nanostructured Aniline Formaldehyde Resin/Polysilazane Hybrid Materials by Twin Polymerization. Macromolecular Chemistry and Physics, 2016, 217, 2462-2472.	2.2	6
39	Ternary organicâ€“inorganic nanostructured hybrid materials by simultaneous twin polymerization. Polymer Chemistry, 2016, 7, 5060-5068.	3.9	5
40	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
41	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
42	Zirconium and Hafnium Twin Monomers for Mixed Oxides. ChemPlusChem, 2015, 80, 559-567.	2.8	15
43	Highly Lewis Acidic Arylboronate Esters Capable of Colorimetric Turnâ€On Response. Chemistry - A European Journal, 2015, 21, 17890-17896.	3.3	5
44	Twin Polymerizationâ€”a New Principle for Hybrid Material Synthesis. Macromolecular Rapid Communications, 2015, 36, 1623-1639.	3.9	44
45	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
46	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
47	Polyamide 6/silica hybrid materials by a coupled polymerization reaction. Polymer Chemistry, 2015, 6, 6297-6304.	3.9	9
48	Acylhydrazones as Reversible Covalent Crosslinkers for Selfâ€Healing Polymers. Advanced Functional Materials, 2015, 25, 3295-3301.	14.9	203
49	Fluorosolvatochromism of furanyl- and thiophenyl-substituted acetophenones. New Journal of Chemistry, 2015, 39, 5171-5179.	2.8	16
50	Novel Adhesion Promoter for Metalâ€“Plastic Composites. Advanced Engineering Materials, 2015, 17, 802-809.	3.5	17
51	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
52	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
53	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
54	Correlation of molecular structure and polarity of ionic liquids. Journal of Molecular Liquids, 2014, 192, 137-143.	4.9	113

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55	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
56	Thermally Induced Twin Polymerization of 4Hâ€1,3,2â€Benzodioxasilines. Chemistry - A European Journal, 2014, 20, 8040-8053.	3.3	30
57	A non-aqueous procedure to synthesize amino group bearing nanostructured organicâ€“inorganic hybrid materials. Chemical Communications, 2014, 50, 9753.	4.1	16
58	Carbonâ€Based Anodes for Lithium Sulfur Full Cells with High Cycle Stability. Advanced Functional Materials, 2014, 24, 1284-1289.	14.9	168
59	Assemblies from metallic and semiconducting nanocrystals. Applied Physics A: Materials Science and Processing, 2014, 115, 617-625.	2.3	2
60	Aminobenzodione-based polymers with low bandgaps and solvatochromic behavior. Polymer Chemistry, 2014, 5, 3817.	3.9	16
61	Mutual Lewis Acidâ€“Base Interactions of Cations and Anions in Ionic Liquids. Chemistry - A European Journal, 2013, 19, 288-293.	3.3	40
62	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
63	Synthesis and optical properties of naphthopyran dyes conjugated with fluorescent stilbazolium moieties. New Journal of Chemistry, 2013, 37, 1479.	2.8	7
64	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
65	Self-healing metallopolymers based on cadmium bis(terpyridine) complex containing polymer networks. Polymer Chemistry, 2013, 4, 4966.	3.9	119
66	Negative Solvatochromism of an Anionic Thiazoleâ€Based Dye. Asian Journal of Organic Chemistry, 2013, 2, 498-503.	2.7	15
67	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
68	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
69	Radical Polymerization of MMA Coâ€initiated by 2â€Phenyloxazoline. Macromolecular Chemistry and Physics, 2013, 214, 1473-1483.	2.2	10
70	Theoretical Study of Twin Polymerization â€“ From Chemical Reactivity to Structure Formation. Macromolecular Theory and Simulations, 2012, 21, 615-628.	1.4	30
71	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
72	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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73	para-Nitroaniline-functionalized chromophoric organicâ€“inorganic hybrid materials. Journal of Materials Chemistry, 2012, 22, 3839.	6.7	4
74	Adsorption of Poly(vinylformamide-co-vinylamine) Polymers (PVFA-co-PVAm) on Copper. Langmuir, 2012, 28, 14935-14943.	3.5	14
75	Solvatochromism and acidochromism of azobenzene-functionalized poly(vinyl amines). New Journal of Chemistry, 2012, 36, 1655.	2.8	25
76	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
77	Polymer-derived nanoporous silicon carbide with monodisperse spherical pores. Journal of Materials Chemistry, 2012, 22, 24841.	6.7	20
78	Solvatochromism of catechol derivatives â€“ solute/solvent interactions. Journal of Physical Organic Chemistry, 2012, 25, 1261-1268.	1.9	15
79	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
80	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
81	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
82	Selective ring opening of 4H-1,3,2-benzodioxasiline twin monomers. New Journal of Chemistry, 2011, 35, 2735.	2.8	29
83	Functional mesoporous aluminosilicate nanoparticles as host material to fabricate photo-switchable polymer films. Journal of Materials Chemistry, 2011, 21, 5083.	6.7	8
84	Peculiar Behavior of Azolium Azolate Energetic Ionic Liquids. Journal of Physical Chemistry Letters, 2011, 2, 2571-2576.	4.6	7
85	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
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	Enhancing the Reactivity of an Electrophilic Barbiturate Dye by Cooperative Hydrogen Bonding. European Journal of Organic Chemistry, 2010, 2010, 259-264.	2.4	6
88	Fabrication of Aromaticâ€Aliphatic Aminoketone Polymers with Terminal Fluorine Groups. Macromolecular Chemistry and Physics, 2010, 211, 1550-1558.	2.2	0
89	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
90	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

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91	Chromophoric Barbituric Acid Derivatives with Adjustable Hydrogenâ€Bonding Patterns as Component for Supramolecular Structures. Macromolecular Symposia, 2010, 287, 8-15.	0.7	6
92	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
93	Hydrophobically Functionalized Chitosan Particles. Journal of Adhesion Science and Technology, 2009, 23, 297-315.	2.6	14
94	Nanostructured Organicâ€“Inorganic Composite Materials by Twin Polymerization of Hybrid Monomers. Advanced Materials, 2009, 21, 2111-2116.	21.0	108
95	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
96	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
97	A solvatochromic study of silicates and borate containing 4â€nitrocatechol ligands. Journal of Physical Organic Chemistry, 2009, 22, 203-211.	1.9	10
98	Electrophilic Substituent Constant Ïƒ⁺ of Electron Donor Substituents in Nonpolar Media. Journal of Organic Chemistry, 2009, 74, 3316-3322.	3.2	22
99	Endowing Carbon Black Pigment Particles with Primary Amino Groups. Langmuir, 2009, 25, 9071-9077.	3.5	24
100	Aminoâ€acidâ€functionalized solvatochromic probes. Journal of Physical Organic Chemistry, 2008, 21, 242-250.	1.9	15
101	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
102	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
103	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
104	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
105	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
106	A hydrogen bond accepting (HBA) scale for anions, including room temperature ionic liquids. New Journal of Chemistry, 2008, 32, 392.	2.8	258
107	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
108	Nanocomposites Prepared by Twin Polymerization of a Single-Source Monomer. Angewandte Chemie - International Edition, 2007, 46, 628-632.	13.8	78

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109	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
110	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
111	Barbituric Acid as a Substituent at Aryl Methylium Ions. Journal of Organic Chemistry, 2006, 71, 7850-7853.	3.2	8
112	Surface Polarity of Dimethylsiloxane-Grafted Silica Particles. Macromolecular Chemistry and Physics, 2005, 206, 364-371.	2.2	8
113	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
114	Structure and solvatochromism of heteroaromatic aminoketones containing thiophene moieties. Journal of Physical Organic Chemistry, 2005, 18, 1086-1098.	1.9	5
115	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
116	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
117	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
118	Poly(Vinylformamide- co -Vinylamine)/Inorganic Oxide Hybrid Materials. Advances in Polymer Science, 2004, , 43-78.	0.8	16
119	Oxidative Coupling of Poly (2-Vinylthiophene) Chains by FeCl3. Polymer Bulletin, 2004, 52, 219-226.	3.3	0
120	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
121	Empirical Polarity Parameters of Celluloses and Related Materials. Cellulose, 2003, 10, 201-212.	4.9	38
122	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
123	Radical Grafting Polymerization of Vinylformamide with Functionalized Silica Particles. Macromolecular Chemistry and Physics, 2003, 204, 725-732.	2.2	16
124	Surface Functionalization of Silica with 2-Vinylfuran by Cationic Polymerization. Macromolecular Chemistry and Physics, 2003, 204, 841-849.	2.2	14
125	Probing the Polarity of Various Cellulose Derivatives with Genuine Solvatochromic Indicators. Macromolecular Chemistry and Physics, 2003, 204, 1315-1322.	2.2	19
126	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

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127	A solvatochromic dye for probing significantly the dipolarity/polarizability of HBD (hydrogen bond) Tj ETQq1 1 0.784314 rgBT /Overlo	2.8	37
128	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
129	Fabrication of carbon/silica hybrid materials using cationic polymerization and the sol-gel process. Macromolecular Symposia, 2002, 177, 111-124.	0.7	15
130	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
131	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
132	Structure formation of poly(furfuryl alcohol)/silica hybrids. Studies in Surface Science and Catalysis, 2001, 132, 301-306.	1.5	2
133	Fabrication and Characterization of Fullerene Functionalized Poly(vinyl formamide-co-vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	3.5	15
134	Structure and Surface Polarity of Poly(vinylformamide-co-vinylamine) (PVFA-co-PVAm)/Silica Hybrid Materials. Langmuir, 2001, 17, 3080-3086.	3.5	29
135	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
136	Cationic polymerization of 2-vinylthiophene - the polymer structure formation. Polymer Bulletin, 2001, 47, 31-37.	3.3	5
137	The Solvent-Like Nature of Silica Particles in Organic Solvents. Monatshefte FÃ¼r Chemie, 2001, 132, 1347-1361.	1.8	13
138	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
139	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
140	Nucleophilic Substitution of 4-Fluoronitrobenzene with Polyvinylamine in Water Mediated by Cyclodextrins. Macromolecular Rapid Communications, 2001, 22, 1288.	3.9	12
141	Processing and properties of natural fiber reinforced semi-finished polymers.. Journal of Advanced Science, 2001, 13, 137-141.	0.1	5
142	Synthesis and application of oligo(vinylamine). Macromolecular Symposia, 2000, 161, 149-158.	0.7	5
143	A Concept for the Fabrication of Penetrating Carbon/Silica Hybrid Materials. Advanced Materials, 2000, 12, 1671-1675.	21.0	59
144	Bromine as an initiator for the oligomerization of vinylformamide (VFA). Polymer Bulletin, 2000, 44, 39-46.	3.3	1

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145	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
146	Electrokinetic and solvatochromic studies of functionalized silica particles. Journal of Adhesion Science and Technology, 2000, 14, 399-414.	2.6	20
147	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
148	Unusual solvatochromism of the 4,4â€²-bis(dimethylamino)benzophenone (Michler's) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (ket 1999, 12, 547-556.	1.9	31
149	Hydrogen-Bond Donating and Dipolarity/Polarizability Properties of Chemically Functionalized Silica Particles. Langmuir, 1999, 15, 141-150.	3.5	66
150	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
151	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
152	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
153	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
154	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
155	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
156	Adsorption of Poly(vinyl formamide-co-vinyl amine) (PVFA-co-PVAm) onto Metal Surfaces. , 0, , 110-116.		9