Andreas Taubert

List of Publications by Year in Descending Order

181 papers	5,642 citations	43 h-index	68 g-index
198 ext. papers	6,070 ext. citations	5.2 avg, IF	5.93 L-index

#	Paper	IF	Citations
181	Effect of the Post-Harvest Processing on Protein Modification in Green Coffee Beans by Phenolic Compounds.. *Foods*, **2022**, 11,	4.9	2
180	Ionic guest in ionic host: ionosilica ionogel composites via ionic liquid confinement in ionosilica supports. *Materials Chemistry Frontiers*, **2022**, 6, 939-947	7.8	1
179	Monitoring and Management of Anions in Polluted Aqua Systems: Case Studies on Nitrate, Chromate, Pertechnetate and Diclofenac. *Environmental Contamination Remediation and Management*, **2021**, 293-347		
178	Current Topics in Ionic Liquid Crystals.. *ChemPlusChem*, **2021**,	2.8	9
177	Sulfobetaine Hydrogels with a Complex Multilength-Scale Hierarchical Structure. *Journal of Physical Chemistry B*, **2021**, 125, 3398-3408	3.4	1
176	Carbon-mediated visible-light clay-Fe2O3graphene oxide catalytic nanocomposites for the removal of steroid estrogens from water. *Journal of Water Process Engineering*, **2021**, 40, 101865	6.7	7
175	Design Principles of Lipid-like Ionic Liquids for Gene Delivery.. *ACS Applied Bio Materials*, **2021**, 4, 4737-4743	4.3	7
174	Ion and Proton Transport In Aqueous/Nonaqueous Acidic Ionic Liquids for Fuel-Cell Applications-Insight from High-Pressure Dielectric Studies. *ACS Applied Materials & Interfaces*, **2021**, 13, 30614-30624	9.5	2
173	Carbon Adsorbents from Spent Coffee for Removal of Methylene Blue and Methyl Orange from Water. *Materials*, **2021**, 14,	3.5	10
172	Sulfobetaine Cryogels for Preferential Adsorption of Methyl Orange from Mixed Dye Solutions. *Polymers*, **2021**, 13,	4.5	10
171	Metal Sulfide Nanoparticle Synthesis with Ionic Liquids - State of the Art and Future Perspectives. *ChemistryOpen*, **2021**, 10, 272-295	2.3	3
170	Dispersion of InPZnS/ZnSe/ZnS multishell quantum dots (QDs) in water: extension to QDs with different core sizes and identical shell thickness. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2021**, 647, 415-420	1.3	0
169	Preparation of Activated Carbons from Spent Coffee Grounds and Coffee Parchment and Assessment of Their Adsorbent Efficiency. *Processes*, **2021**, 9, 1396	2.9	5
168	Single-route delaminated clay composites for efficient visible-light photo-mineralization of antibiotic-resistant bacteria and associated genes in water. *Applied Catalysis B: Environmental*, **2021**, 292, 120143	21.8	3
167	Solar-active clay-TiO2 nanocomposites prepared via biomass assisted synthesis: Efficient removal of ampicillin, sulfamethoxazole and artemether from water. *Chemical Engineering Journal*, **2020**, 398, 125544	14.7	18
166	Facile Synthesis of Hierarchical CuS and CuCoS Structures from an Ionic Liquid Precursor for Electrocatalysis Applications. *ACS Applied Materials & Interfaces*, **2020**, 12, 52560-52570	9.5	8
165	Surface Etching of 3D Printed Poly(lactic acid) with NaOH: A Systematic Approach. *Polymers*, **2020**, 12,	4.5	9

164	Mixed Mercaptocarboxylic Acid Shells Provide Stable Dispersions of InPZnS/ZnSe/ZnS Multishell Quantum Dots in Aqueous Media. *Nanomaterials*, **2020**, 10,	5.4	2
163	Ionic Liquids with More than One Metal: Optical and Electrochemical Properties versus d-Block Metal Combinations. *Chemistry - A European Journal*, **2020**, 26, 17504-17513	4.8	5
162	Luminescent Ionogels with Excellent Transparency, High Mechanical Strength, and High Conductivity. *Nanomaterials*, **2020**, 10,	5.4	2
161	New micro/mesoporous nanocomposite material from low-cost sources for the efficient removal of aromatic and pathogenic pollutants from water. *Beilstein Journal of Nanotechnology*, **2019**, 10, 119-131	3	5
160	Visible-Light-Mediated Photodynamic Water Disinfection @ Bimetallic-Doped Hybrid Clay Nanocomposites. *ACS Applied Materials & Interfaces*, **2019**, 11, 25483-25494	9.5	17
159	The phase diagram of a mixed halide (Br, I) hybrid perovskite obtained by synchrotron X-ray diffraction.. *RSC Advances*, **2019**, 9, 11151-11159	3.7	42
158	Stereolithography Provides Access to 3D Printed Ionogels with High Ionic Conductivity. *Energy & Fuels*, **2019**, 33, 12885-12893	4.1	7
157	SpiderMAEn: recombinant spider silk-based hybrid materials for advanced energy technology. *Bioinspired, Biomimetic and Nanobiomaterials*, **2019**, 8, 99-108	1.3	3
156	CuS nanoplates from ionic liquid precursors-Application in organic photovoltaic cells. *Journal of Chemical Physics*, **2018**, 148, 193818	3.9	14
155	Co-Deposition of a Hydrogel/Calcium Phosphate Hybrid Layer on 3D Printed Poly(Lactic Acid) Scaffolds via Dip Coating: Towards Automated Biomaterials Fabrication. *Polymers*, **2018**, 10,	4.5	17
154	Insights about the Absence of Rb Cation from the 3D Perovskite Lattice: Effect on the Structural, Morphological, and Photophysical Properties and Photovoltaic Performance. *Small*, **2018**, 14, e1802033	11	19
153	Anionic Polymer Brushes for Biomimetic Calcium Phosphate Mineralization-A Surface with Application Potential in Biomaterials. *Polymers*, **2018**, 10,	4.5	7
152	Cation and anion substitutions in hybrid perovskites: solubility limits and phase stabilizing effects **2018**,		2
151	Ionic Liquid-Assisted Synthesis of Mesoporous Silk Fibroin/Silica Hybrids for Biomedical Applications. *ACS Omega*, **2018**, 3, 10811-10822	3.9	14
150	silk/titania/gold hybrid materials for photocatalytic water splitting: combining renewable raw materials with clean fuels. *Beilstein Journal of Nanotechnology*, **2018**, 9, 187-204	3	3
149	Novel metal-doped bacteriostatic hybrid clay composites for point-of-use disinfection of water. *Journal of Environmental Chemical Engineering*, **2017**, 5, 2128-2141	6.8	19
148	A Dendritic Amphiphile for Efficient Control of Biomimetic Calcium Phosphate Mineralization. *Macromolecular Bioscience*, **2017**, 17, 1600524	5.5	5
147	Composition inversion to form calcium carbonate mixtures. *CrystEngComm*, **2017**, 19, 3573-3583	3.3	2

146	Facile synthesis of new amino-functionalized agrogenic hybrid composite clay adsorbents for phosphate capture and recovery from water. *Journal of Cleaner Production*, **2017**, 164, 652-663	10.3	30
145	Cholesteryl Hemisuccinate Monolayers Efficiently Control Calcium Phosphate Nucleation and Growth. *Crystal Growth and Design*, **2017**, 17, 5764-5774	3.5	4
144	First examples of organosilica-based ionogels: synthesis and electrochemical behavior. *Beilstein Journal of Nanotechnology*, **2017**, 8, 736-751	3	11
143	Recombinant DNA technology and click chemistry: a powerful combination for generating a hybrid elastin-like-statherin hydrogel to control calcium phosphate mineralization. *Beilstein Journal of Nanotechnology*, **2017**, 8, 772-783	3	11
142	□((4-Cyanobenzoyl)oxy)-□methyl poly(ethylene glycol): a new stabilizer for silver nanoparticles. *Beilstein Journal of Nanotechnology*, **2017**, 8, 627-635	3	3
141	Disinfection of water with new chitosan-modified hybrid clay composite adsorbent. *Heliyon*, **2017**, 3, e00379	3.6	23
140	Polytriazolium poly(ionic liquid) bearing triiodide anions: Synthesis, basic properties and electrochemical behaviors. *Polymer*, **2017**, 124, 246-251	3.9	12
139	Clay□Organic Interfaces for Design of Functional Hybrid Materials **2017**, 1-84		4
138	Nanocarbon□Ionic Liquid Hybrid Materials for Heterogeneous Catalysis **2017**, 497-533		
137	Ionic Liquids for the Synthesis and Design of Hybrid Biomaterials and Interfaces **2017**, 581-636		1
136	Sustainable Organic□Inorganic Interfaces in Energy Applications **2017**, 199-240		
135	Alkylpyridinium Tetrahalidometallate Ionic Liquids and Ionic Liquid Crystals: Insights into the Origin of Their Phase Behavior. *European Journal of Inorganic Chemistry*, **2017**, 2017, 5640-5649	2.3	6
134	EDTA and NTA Effectively Tune the Mineralization of Calcium Phosphate from Bulk Aqueous Solution. *Biomimetics*, **2017**, 2,	3.7	2
133	Water-Soluble Cellulose Derivatives Are Sustainable Additives for Biomimetic Calcium Phosphate Mineralization. *Inorganics*, **2016**, 4, 33	2.9	5
132	Ionogels Based on Poly(methyl methacrylate) and Metal-Containing Ionic Liquids: Correlation between Structure and Mechanical and Electrical Properties. *International Journal of Molecular Sciences*, **2016**, 17, 391	6.3	17
131	A Modular Approach towards Meso□porous Silica Monoliths with Organically Modified Pore Walls: Nucleophilic Addition, Olefin Metathesis, and Cycloaddition. *European Journal of Inorganic Chemistry*, **2016**, 2016, 2088-2099	2.3	5
130	Inorganic Nanomaterials Synthesis Using Ionic Liquids **2016**, 1-14		2
129	Renewable pyridinium ionic liquids from the continuous hydrothermal decarboxylation of furfural-amino acid derived pyridinium zwitterions. *Green Chemistry*, **2015**, 17, 4151-4156	10	28

128	Interface-controlled calcium phosphate mineralization: effect of oligo(aspartic acid)-rich interfaces. *CrystEngComm*, **2015**, 17, 6901-6913	3.3	11
127	Hybrid Materials Engineering in Biology, Chemistry, and Physics. *European Journal of Inorganic Chemistry*, **2015**, 2015, 1086-1088	2.3	3
126	Two-Dimensional Hybrid Materials: Transferring Technology from Biology to Society. *European Journal of Inorganic Chemistry*, **2015**, 2015, 1089-1095	2.3	6
125	Electrospinning of Ionogels: Current Status and Future Perspectives. *European Journal of Inorganic Chemistry*, **2015**, 2015, 1148-1159	2.3	10
124	Poly(ethylene oxide)-based block copolymers with very high molecular weights for biomimetic calcium phosphate mineralization. *RSC Advances*, **2015**, 5, 103494-103505	3.7	6
123	Successful scale-up performance of a novel papaya-clay combo adsorbent: up-flow adsorption of a basic dye. *Desalination and Water Treatment*, **2015**, 56, 536-551		13
122	Tetrahalidocuprates(II) □structure and EPR spectroscopy. Part 2: tetrachloridocuprates(II). *New Journal of Chemistry*, **2014**, 38, 1019	3.6	30
121	Modular thiol-ene chemistry approach towards mesoporous silica monoliths with organically modified pore walls. *Chemistry - A European Journal*, **2014**, 20, 17579-89	4.8	19
120	Mesoporous graphite nanoflakes via ionothermal carbonization of fructose and their use in dye removal. *RSC Advances*, **2014**, 4, 37423-37430	3.7	26
119	Poly(ethylene oxide)-b-poly(3-sulfopropyl methacrylate) block copolymers for calcium phosphate mineralization and biofilm inhibition. *Biomacromolecules*, **2014**, 15, 3901-14	6.9	17
118	DyeIonogels: Proton-Responsive Ionogels Based on a Dye-Ionic Liquid Exhibiting Reversible Color Change. *Advanced Functional Materials*, **2014**, 24, 2837-2843	15.6	30
117	Clay□olymer nanocomposites (CPNs): Adsorbents of the future for water treatment. *Applied Clay Science*, **2014**, 99, 83-92	5.2	193
116	Identification of nano clay in composite polymers. *Surface and Interface Analysis*, **2014**, 46, 334-336	1.5	3
115	Ionic liquid-assisted formation of cellulose/calcium phosphate hybrid materials. *Beilstein Journal of Nanotechnology*, **2014**, 5, 1553-68	3	40
114	ToF-SIMS and Laser-SNMS analysis of macrophages after exposure to silver nanoparticles. *Surface and Interface Analysis*, **2013**, 45, 286-289	1.5	14
113	Surface Modification of Polymeric Biomaterials **2013**, 89-158		6
112	Stimuli-Responsive Surfaces for Biomedical Applications **2013**, 63-87		1
111	Micro- and Nanopatterning of Biomaterial Surfaces **2013**, 285-309		1

110	Organic/Inorganic Hybrid Surfaces **2013**, 311-336		1
109	Plasma-Assisted Surface Treatments and Modifications for Biomedical Applications **2013**, 375-408		1
108	Biological and Bioinspired Micro- and Nanostructured Adhesives **2013**, 409-439		9
107	Severe Deformations of Malignant Bone and Skin Cells, as well as Aged Cells, on Micropatterned Surfaces **2013**, 469-489		1
106	Electrode Neural Tissue Interactions: Immune Responses, Current Technologies, and Future Directions **2013**, 539-565		2
105	Part One: Polymer Surfaces **2013**, 1-25		
104	Surface-Grafted Polymer Brushes **2013**, 27-43		2
103	Inhibiting Nonspecific Protein Adsorption: Mechanisms, Methods, and Materials **2013**, 45-61		1
102	Polymer Vesicles on Surfaces **2013**, 159-203		
101	Protein-Engineered Hydrogels **2013**, 205-237		1
100	Bioactive and Smart Hydrogel Surfaces **2013**, 239-268		1
99	Bioresponsive Surfaces and Stem Cell Niches **2013**, 269-284		1
98	Bioactive Ceramic and Metallic Surfaces for Bone Engineering **2013**, 337-374		15
97	Generic Methods of Surface Modification to Control Adhesion of Cells and Beyond **2013**, 441-467		3
96	Thermoresponsive Cell Culture Surfaces Designed for Cell-Sheet-Based Tissue Engineering and Regenerative Medicine **2013**, 491-510		1
95	Cell Mechanics on Surfaces **2013**, 511-537		
94	SAPK: A Novel Composite Resin for Water Treatment with Very High Zn2+, Cd2+, and Pb2+ Adsorption Capacity. *Industrial & Engineering Chemistry Research*, **2013**, 52, 578-585	3.9	15
93	Hybrid Clay: A New Highly Efficient Adsorbent for Water Treatment. *ACS Sustainable Chemistry and Engineering*, **2013**, 1, 966-973	8.3	104

92	Crystal structure and chemical composition of biomimetic calcium phosphate nanofibers. *RSC Advances*, **2013**, 3, 11301	3.7	16
91	New developments in polymer-controlled, bioinspired calcium phosphate mineralization from aqueous solution. *Acta Biomaterialia*, **2013**, 9, 6283-321	10.8	142
90	TOF-SIMS analysis of cell membrane changes in functional impaired human macrophages upon nanosilver treatment. *Surface and Interface Analysis*, **2013**, 45, 483-485	1.5	15
89	Ionogel Fiber Mats: Functional Materials via Electrospinning of PMMA and the Ionic Liquid Bis(1-butyl-3-methyl-imidazolium) Tetrachloridocuprate(II), [Bmim]2[CuCl4]. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2013**, 68, 1163-1171	1	4
88	Carbon-based ionogels: tuning the properties of the ionic liquid via carbon-ionic liquid interaction. *Physical Chemistry Chemical Physics*, **2012**, 14, 5992-7	3.6	19
87	Highly structured, biomorphous SiC with high specific surface area from Equisetaceae. *Journal of Materials Chemistry*, **2012**, 22, 9046		7
86	Effects of silver nanoparticles on primary mixed neural cell cultures: uptake, oxidative stress and acute calcium responses. *Toxicological Sciences*, **2012**, 126, 457-68	4.4	183
85	Magnetic Ionogels (MagIGs) Based on Iron Oxide Nanoparticles, Poly(N-isopropylacrylamide), and the Ionic Liquid Trihexyl(tetradecyl)phosphonium Dicyanamide. *European Journal of Inorganic Chemistry*, **2012**, 2012, 5245-5251	2.3	10
84	A transparent, flexible, ion conductive, and luminescent PMMA ionogel based on a Pt/Eu bimetallic complex and the ionic liquid [Bmim][N(Tf)2]. *Journal of Materials Chemistry*, **2012**, 22, 8110		49
83	Synthesis of mesoporous carbon/iron carbide hybrids with unusually high surface areas from the ionic liquid precursor [Bmim][FeCl4]. *CrystEngComm*, **2012**, 14, 4946	3.3	19
82	CuO Nanoparticles from the strongly hydrated ionic liquid precursor (ILP) tetrabutylammonium hydroxide: evaluation of the ethanol sensing activity. *ACS Applied Materials & Interfaces*, **2012**, 4, 791-5	9.5	51
81	Peptide-intercalated layered metal hydroxides: effect of peptide chain length and side chain functionality on structural, optical and magnetic properties. *Chemical Science*, **2012**, 3, 1945	9.4	17
80	Ionic-liquid-induced ferroelectric polarization in poly(vinylidene fluoride) thin films. *Applied Physics Letters*, **2012**, 100, 062903	3.4	49
79	Silica ionogels for proton transport. *Journal of Materials Chemistry*, **2012**, 22, 17140		35
78	Solution Behavior of Double-Hydrophilic Block Copolymers in Dilute Aqueous Solution. *Macromolecules*, **2012**, 45, 4772-4777	5.5	58
77	A green and sustainable nanotechnology: Role of ionic liquids. *International Journal of Precision Engineering and Manufacturing*, **2012**, 13, 1207-1213	1.7	23
76	A novel type of silver nanoparticles and their advantages in toxicity testing in cell culture systems. *Archives of Toxicology*, **2012**, 86, 1089-98	5.8	22
75	Intercalation synthesis of functional hybrid materials based on layered simple hydroxide hosts and ionic liquid guests--a pathway towards multifunctional ionogels without a silica matrix?. *Dalton Transactions*, **2011**, 40, 9977-88	4.3	21

74	Imidazolium-based liquid crystals: a modular platform for versatile new materials with finely tuneable properties and behaviour. *Liquid Crystals*, **2011**, 38, 1653-1661	2.3	70
73	Silicification of peptide-coated silver nanoparticles--A Biomimetic soft chemistry approach toward chiral hybrid core-shell materials. *ACS Nano*, **2011**, 5, 820-33	16.7	49
72	Microwave synthesis and inherent stabilization of metal nanoparticles in 1-methyl-3-(3-carboxyethyl)-imidazolium tetrafluoroborate. *Dalton Transactions*, **2011**, 40, 8290-3	4.3	52
71	Biomimetic synthesis of chiral erbium-doped silver/peptide/silica core-shell nanoparticles (ESPN). *Nanoscale*, **2011**, 3, 5168-79	7.7	11
70	Polymer brush controlled bioinspired calcium phosphate mineralization and bone cell growth. *Biomacromolecules*, **2011**, 12, 3753-60	6.9	25
69	On the interaction of ascorbic acid and the tetrachlorocuprate ion [CuCl4]2- in CuCl nanoplatelet formation from an ionic liquid precursor (ILP). *Physical Chemistry Chemical Physics*, **2011**, 13, 13537-43	3.6	28
68	Tetrahalidocuprates(II)Structure and EPR spectroscopy. Part 1:Tetrabromidocuprates(II). *New Journal of Chemistry*, **2011**, 35, 2793	3.6	17
67	Calcium phosphate mineralization with linear poly(ethylene imine): a time-resolved study. *Colloid and Polymer Science*, **2011**, 289, 881-888	2.4	19
66	Diversified applications of chemically modified 1,2-polybutadiene. *Macromolecular Rapid Communications*, **2011**, 32, 1157-62	4.8	15
65	Thermomorphic behavior of the ionic liquids [C4mim][FeCl4] and [C12mim][FeCl4]. *ChemPhysChem*, **2011**, 12, 364-8	3.2	47
64	Hierarchical porous carbonaceous materials via ionothermal carbonization of carbohydrates. *Journal of Materials Chemistry*, **2011**, 21, 7434		106
63	Application of laser postionization secondary neutral mass spectrometry/time-of-flight secondary ion mass spectrometry in nanotoxicology: visualization of nanosilver in human macrophages and cellular responses. *ACS Nano*, **2011**, 5, 3059-68	16.7	81
62	Biomimetic calcium phosphate mineralization with multifunctional elastin-like recombinamers. *Biomacromolecules*, **2011**, 12, 1480-6	6.9	52
61	Transparent, flexible, and paramagnetic ionogels based on PMMA and the iron-based ionic liquid 1-butyl-3-methylimidazolium tetrachloroferrate(III) [Bmim][FeCl4]. *Journal of Materials Chemistry*, **2010**, 20, 9543		57
60	Tuning the phase behavior of ionic liquids in organically functionalized silica ionogels. *Dalton Transactions*, **2010**, 603-11	4.3	53
59	Stable iron carbide nanoparticle dispersions in [Emim][SCN] and [Emim][N(CN)2] ionic liquids. *Langmuir*, **2010**, 26, 10600-5	4	33
58	Calcium phosphate growth beneath a polycationic monolayer at the air-water interface: effects of oscillating surface pressure on mineralization. *Nanoscale*, **2010**, 2, 2440-6	7.7	19
57	Strong anion effects on gold nanoparticle formation in ionic liquids. *Journal of Materials Chemistry*, **2010**, 20, 1332-1339		56

56	Heavy elements in ionic liquids. *Topics in Current Chemistry*, **2010**, 290, 127-59		33
55	Amphiphilic Polymers at Interfaces. *Advances in Polymer Science*, **2010**, 151-201	1.3	21
54	Poly(ethylene oxide)Þpoly(ethylene imine) block copolymers as templates and catalysts for the in situ formation of monodisperse silica nanospheres. *Colloid and Polymer Science*, **2010**, 288, 1645-1650	2.4	6
53	On the chemical synthesis of titanium nanoparticles from ionic liquids. *Monatshefte Fü Chemie*, **2010**, 141, 1273-1278	1.4	18
52	Surface Modification of Nickel/Titanium Alloy and Titanium Surfaces via a Polyelectrolyte Multilayer/Calcium Phosphate Hybrid Coating. *Macromolecular Materials and Engineering*, **2010**, 295, 535-543	3.9	24
51	Calcium phosphate mineralization beneath a polycationic monolayer at the air-water interface. *Macromolecular Bioscience*, **2010**, 10, 1084-92	5.5	33
50	Silicification of Peptide-coated Chiral Nanosilver: Novel Core-shell Structures. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2010**, 636, 2115-2115	1.3	
49	Polymer Hydrogel/Polybutadiene/Iron Oxide Nanoparticle Hybrid Actuators for the Characterization of NiTi Implants. *Materials*, **2009**, 2, 207-220	3.5	9
48	Cellulose/gold nanocrystal hybrids via an ionic liquid/aqueous precipitation route. *Molecules*, **2009**, 14, 4682-8	4.8	16
47	Peptide-coated silver nanoparticles: synthesis, surface chemistry, and pH-triggered, reversible assembly into particle assemblies. *Chemistry - A European Journal*, **2009**, 15, 5831-44	4.8	77
46	Unprecedented, low cytotoxicity of spongelike calcium phosphate/poly(ethylene imine) hydrogel composites. *Macromolecular Bioscience*, **2009**, 9, 179-86	5.5	34
45	Silsesquioxane/polyamine nanoparticle-templated formation of star- or raspberry-like silica nanoparticles. *Langmuir*, **2009**, 25, 7109-15	4	15
44	Surprisingly high, bulk liquid-like mobility of silica-confined ionic liquids. *Physical Chemistry Chemical Physics*, **2009**, 11, 3653-62	3.6	104
43	Calcium Phosphate with a Channel-like Morphology by Polymer Templating. *Chemistry of Materials*, **2009**, 21, 1572-1578	9.6	24
42	Preparation, characterization, and thermal gelation of amphiphilic alkyl-poly(ethyleneimine). *Langmuir*, **2009**, 25, 10558-66	4	5
41	CuO particles from ionic liquid/water mixtures: evidence for growth via Cu(OH)2 nanorod assembly and fusion. *Inorganic Chemistry*, **2008**, 47, 10758-64	5.1	49
40	Gold microcrystal synthesis via reduction of HAuCl4 by cellulose in the ionic liquid 1-butyl-3-methyl imidazolium chloride. *Journal of Materials Chemistry*, **2008**, 18, 1008		113
39	Calcium phosphate mineralization beneath monolayers of poly(n-butylacrylate)-block-poly(acrylic acid) block copolymers. *Faraday Discussions*, **2008**, 139, 179-97; discussion 213-28, 419-20	3.6	28

38	Zinc Oxide/Carbohydrate Hybrid Materials via Mineralization of Starch and Cellulose in the Strongly Hydrated Ionic Liquid Tetrabutylammonium Hydroxide. *Crystal Growth and Design*, **2008**, 8, 330-335	3.5	58
37	Room Temperature ZnO Mesocrystal Formation in the Hydrated Ionic Liquid Precursor (ILP) Tetrabutylammonium Hydroxide. *Crystal Growth and Design*, **2008**, 8, 4526-4532	3.5	56
36	Poly(ethylene imine)-controlled calcium phosphate mineralization. *Langmuir*, **2008**, 24, 2102-9	4	62
35	Silver nanoparticle engineering via oligovaline organogels. *Soft Matter*, **2008**, 4, 606-617	3.6	48
34	Amino Acids in Iron Oxide Mineralization: (Incomplete) Crystal Phase Selection Is Achieved Even with Single Amino Acids. *Journal of Physical Chemistry C*, **2008**, 112, 12104-12110	3.8	12
33	Surface Segregation of Counterions in Ionomer Films. *Macromolecules*, **2008**, 41, 9299-9305	5.5	6
32	Lessons from a Failed Experiment: Zinc Silicates with Complex Morphology by Reaction of Zinc Acetate, the Ionic Liquid Precursor (ILP) Tetrabutylammonium Hydroxide (TBAH), and Glass. *Materials*, **2008**, 1, 3-24	3.5	43
31	Uniform metal (hydr)oxide particles from water/ionic liquid precursor (ILP) mixtures. *Chemistry - A European Journal*, **2008**, 14, 8409-17	4.8	36
30	Hollow Zinc Oxide Mesocrystals from an Ionic Liquid Precursor (ILP). *Advanced Materials*, **2008**, 20, 1279-1285	14	122
29	Metal-peptide frameworks (MPFs): "bioinspired" metal organic frameworks. *Journal of the American Chemical Society*, **2008**, 130, 2517-26	16.4	142
28	TiO2 sphere-tube-fiber transition induced by oligovaline concentration variation. *Macromolecular Bioscience*, **2007**, 7, 208-17	5.5	17
27	Polymer-controlled, bio-inspired calcium phosphate mineralization from aqueous solution. *Macromolecular Bioscience*, **2007**, 7, 1085-99	5.5	93
26	Inorganic materials from ionic liquids. *Dalton Transactions*, **2007**, 723-7	4.3	268
25	Controlling water transport through artificial polymer/protein hybrid membranes. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 20643-4	11.5	20
24	Makromolekulare Chemie 2006. *Nachrichten Aus Der Chemie*, **2007**, 55, 306-312	0.1	
23	Ionic Liquid-Crystal Precursors (ILCPs) for CuCl Platelets: The Origin of the Exothermic Peak in the DSC Curves. *Journal of Physical Chemistry C*, **2007**, 111, 4077-4082	3.8	59
22	Photoreduction of a crystalline Au(III) complex: A solidstate approach to metallic nanostructures **2006**, 39, 205-211		43
21	Self-Assembly of Amphiphilic Calix[4]arenes in Aqueous Solution. *Advanced Functional Materials*, **2006**, 16, 252-259	15.6	82

20	Ionic liquid crystal precursors for inorganic particles: phase diagram and thermal properties of a CuCl nanoplatelet precursor. *Journal of Physical Chemistry B*, **2005**, 109, 15542-7	3.4	73
19	MPFs (Metal Peptide Frameworks) **2004**, 1-13		
18	CuCl nanoplatelets from an ionic liquid-crystal precursor. *Angewandte Chemie - International Edition* , **2004**, 43, 5380-2	16.4	251
17	CuCl Nanoplatelets from an Ionic Liquid-Crystal Precursor. *Angewandte Chemie*, **2004**, 116, 5494-5496	3.6	47
16	Self-assembly of reactive amphiphilic block copolymers as mimetics for biological membranes. *Current Opinion in Chemical Biology*, **2004**, 8, 598-603	9.7	128
15	Water-in-water mesophases for templating inorganics. *Chemical Communications*, **2004**, 2170-1	5.8	34
14	Soft nanotubes from amphiphilic ABA triblock macromonomers. *Chemical Communications*, **2004**, 1462-3	5.8	101
13	Mobile nanoparticles and their effect on phase separation dynamics in thin-film polymer blends. *Europhysics Letters*, **2004**, 68, 219-225	1.6	51
12	Filling single-wall carbon nanotubes with d- and f-metal chloride and metal nanowires. *Journal of Nanoscience and Nanotechnology*, **2003**, 3, 159-63	1.3	26
11	Rapid Preparation of a Polymer Fiber and a Free-Standing Polymer Film for Cross-Sectional Microtomy. *Microscopy Today*, **2003**, 11, 36-39	0.4	1
10	Novel polyimide ionomers: CO2 plasticization, morphology, and ion distribution. *Polymer*, **2003**, 44, 1881-1892	3.9	17
9	Dendrimer-controlled one-pot synthesis of gold nanoparticles with a bimodal size distribution and their self-assembly in the solid state. *Journal of Materials Chemistry*, **2003**, 13, 1090-1093		45
8	Polymer-Induced Microstructure Variation in Zinc Oxide Crystals Precipitated from Aqueous Solution. *Journal of Physical Chemistry B*, **2003**, 107, 2660-2666	3.4	100
7	Polymer-Assisted Control of Particle Morphology and Particle Size of Zinc Oxide Precipitated from Aqueous Solution. *Chemistry of Materials*, **2002**, 14, 2594-2601	9.6	139
6	Vesicular Ionic Aggregates in Poly(styrene-ran-methacrylic acid) Ionomers Neutralized with Cs. *Macromolecules*, **2002**, 35, 2648-2653	5.5	33
5	Imaging and X-ray Microanalysis of a Poly(ethylene-ran-methacrylic acid) Ionomer Melt Neutralized with Sodium. *Macromolecules*, **2002**, 35, 7419-7426	5.5	29
4	Kinetics and Particle Formation Mechanism of Zinc Oxide Particles in Polymer-Controlled Precipitation from Aqueous Solution. *Langmuir*, **2002**, 18, 4488-4494	4	125
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