

Andreas Taubert

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Inorganic materials from ionic liquids. <i>Dalton Transactions</i> , 2007 , 723-7	4.3	268
180	CuCl nanoplatelets from an ionic liquid-crystal precursor. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5380-2	16.4	251
179	Clay/polymer nanocomposites (CPNs): Adsorbents of the future for water treatment. <i>Applied Clay Science</i> , 2014 , 99, 83-92	5.2	193
178	Effects of silver nanoparticles on primary mixed neural cell cultures: uptake, oxidative stress and acute calcium responses. <i>Toxicological Sciences</i> , 2012 , 126, 457-68	4.4	183
177	New developments in polymer-controlled, bioinspired calcium phosphate mineralization from aqueous solution. <i>Acta Biomaterialia</i> , 2013 , 9, 6283-321	10.8	142
176	Metal-peptide frameworks (MPFs): "bioinspired" metal organic frameworks. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2517-26	16.4	142
175	Polymer-Assisted Control of Particle Morphology and Particle Size of Zinc Oxide Precipitated from Aqueous Solution. <i>Chemistry of Materials</i> , 2002 , 14, 2594-2601	9.6	139
174	Self-assembly of reactive amphiphilic block copolymers as mimetics for biological membranes. <i>Current Opinion in Chemical Biology</i> , 2004 , 8, 598-603	9.7	128
173	Kinetics and Particle Formation Mechanism of Zinc Oxide Particles in Polymer-Controlled Precipitation from Aqueous Solution. <i>Langmuir</i> , 2002 , 18, 4488-4494	4	125
172	Hollow Zinc Oxide Mesocrystals from an Ionic Liquid Precursor (ILP). <i>Advanced Materials</i> , 2008 , 20, 1279-1285	12.85	122
171	Gold microcrystal synthesis via reduction of HAuCl ₄ by cellulose in the ionic liquid 1-butyl-3-methyl imidazolium chloride. <i>Journal of Materials Chemistry</i> , 2008 , 18, 1008		113
170	Hierarchical porous carbonaceous materials via ionothermal carbonization of carbohydrates. <i>Journal of Materials Chemistry</i> , 2011 , 21, 7434		106
169	Hybrid Clay: A New Highly Efficient Adsorbent for Water Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 966-973	8.3	104
168	Surprisingly high, bulk liquid-like mobility of silica-confined ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 3653-62	3.6	104
167	Soft nanotubes from amphiphilic ABA triblock macromonomers. <i>Chemical Communications</i> , 2004 , 1462-35.8		101
166	Polymer-Induced Microstructure Variation in Zinc Oxide Crystals Precipitated from Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 2660-2666	3.4	100
165	Polymer-controlled, bio-inspired calcium phosphate mineralization from aqueous solution. <i>Macromolecular Bioscience</i> , 2007 , 7, 1085-99	5.5	93

164	Self-Assembly of Amphiphilic Calix[4]arenes in Aqueous Solution. <i>Advanced Functional Materials</i> , 2006 , 16, 252-259	15.6	82
163	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. <i>ACS Nano</i> , 2011 , 5, 3059-68	16.7	81
162	Peptide-coated silver nanoparticles: synthesis, surface chemistry, and pH-triggered, reversible assembly into particle assemblies. <i>Chemistry - A European Journal</i> , 2009 , 15, 5831-44	4.8	77
161	Formation of uniform and monodisperse zincite crystals in the presence of soluble starch. <i>Journal of Materials Chemistry</i> , 2002 , 12, 805-807		75
160	Ionic liquid crystal precursors for inorganic particles: phase diagram and thermal properties of a CuCl nanoplatelet precursor. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 15542-7	3.4	73
159	Imidazolium-based liquid crystals: a modular platform for versatile new materials with finely tuneable properties and behaviour. <i>Liquid Crystals</i> , 2011 , 38, 1653-1661	2.3	70
158	Poly(ethylene imine)-controlled calcium phosphate mineralization. <i>Langmuir</i> , 2008 , 24, 2102-9	4	62
157	Ionic Liquid-Crystal Precursors (ILCPs) for CuCl Platelets: The Origin of the Exothermic Peak in the DSC Curves. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 4077-4082	3.8	59
156	Solution Behavior of Double-Hydrophilic Block Copolymers in Dilute Aqueous Solution. <i>Macromolecules</i> , 2012 , 45, 4772-4777	5.5	58
155	Zinc Oxide/Carbohydrate Hybrid Materials via Mineralization of Starch and Cellulose in the Strongly Hydrated Ionic Liquid Tetrabutylammonium Hydroxide. <i>Crystal Growth and Design</i> , 2008 , 8, 330-335	3.5	58
154	Transparent, flexible, and paramagnetic ionogels based on PMMA and the iron-based ionic liquid 1-butyl-3-methylimidazolium tetrachloroferrate(III) [Bmim][FeCl ₄]. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9543		57
153	Strong anion effects on gold nanoparticle formation in ionic liquids. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1332-1339		56
152	Room Temperature ZnO Mesocrystal Formation in the Hydrated Ionic Liquid Precursor (ILP) Tetrabutylammonium Hydroxide. <i>Crystal Growth and Design</i> , 2008 , 8, 4526-4532	3.5	56
151	Tuning the phase behavior of ionic liquids in organically functionalized silica ionogels. <i>Dalton Transactions</i> , 2010 , 603-11	4.3	53
150	Microwave synthesis and inherent stabilization of metal nanoparticles in 1-methyl-3-(3-carboxyethyl)-imidazolium tetrafluoroborate. <i>Dalton Transactions</i> , 2011 , 40, 8290-3	4.3	52
149	Biomimetic calcium phosphate mineralization with multifunctional elastin-like recombinamers. <i>Biomacromolecules</i> , 2011 , 12, 1480-6	6.9	52
148	CuO Nanoparticles from the strongly hydrated ionic liquid precursor (ILP) tetrabutylammonium hydroxide: evaluation of the ethanol sensing activity. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 791-5	9.5	51
147	Mobile nanoparticles and their effect on phase separation dynamics in thin-film polymer blends. <i>Europhysics Letters</i> , 2004 , 68, 219-225	1.6	51

- 146 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
- 145 Ionic-liquid-induced ferroelectric polarization in poly(vinylidene fluoride) thin films. *Applied Physics Letters*, **2012**, 100, 062903 3.4 49
- 144 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
- 143 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
- 142 Silver nanoparticle engineering via oligovaline organogels. *Soft Matter*, **2008**, 4, 606-617 3.6 48
- 141 Thermomorphic behavior of the ionic liquids [C4mim][FeCl₄] and [C12mim][FeCl₄]. *ChemPhysChem*, **2011**, 12, 364-8 3.2 47
- 140 CuCl Nanoplatelets from an Ionic Liquid-Crystal Precursor. *Angewandte Chemie*, **2004**, 116, 5494-5496 3.6 47
- 139 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
- 138 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
- 137 Photoreduction of a crystalline Au(III) complex: A solidstate approach to metallic nanostructures **2006**, 39, 205-211 43
- 136 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
- 135 Ionic liquid-assisted formation of cellulose/calcium phosphate hybrid materials. *Beilstein Journal of Nanotechnology*, **2014**, 5, 1553-68 3 40
- 134 Uniform metal (hydr)oxide particles from water/ionic liquid precursor (ILP) mixtures. *Chemistry - A European Journal*, **2008**, 14, 8409-17 4.8 36
- 133 Silica ionogels for proton transport. *Journal of Materials Chemistry*, **2012**, 22, 17140 35
- 132 Unprecedented, low cytotoxicity of spongelike calcium phosphate/poly(ethylene imine) hydrogel composites. *Macromolecular Bioscience*, **2009**, 9, 179-86 5.5 34
- 131 Water-in-water mesophases for templating inorganics. *Chemical Communications*, **2004**, 2170-1 5.8 34
- 130 Stable iron carbide nanoparticle dispersions in [Emim][SCN] and [Emim][N(CN)₂] ionic liquids. *Langmuir*, **2010**, 26, 10600-5 4 33
- 129 Heavy elements in ionic liquids. *Topics in Current Chemistry*, **2010**, 290, 127-59 33

128	Calcium phosphate mineralization beneath a polycationic monolayer at the air-water interface. <i>Macromolecular Bioscience</i> , 2010 , 10, 1084-92	5.5	33
127	Vesicular Ionic Aggregates in Poly(styrene-ran-methacrylic acid) Ionomers Neutralized with Cs. <i>Macromolecules</i> , 2002 , 35, 2648-2653	5.5	33
126	Facile synthesis of new amino-functionalized agrogenic hybrid composite clay adsorbents for phosphate capture and recovery from water. <i>Journal of Cleaner Production</i> , 2017 , 164, 652-663	10.3	30
125	Tetrahalidocuprates(II) Structure and EPR spectroscopy. Part 2: tetrachloridocuprates(II). <i>New Journal of Chemistry</i> , 2014 , 38, 1019	3.6	30
124	Dye Ionogels: Proton-Responsive Ionogels Based on a Dye-Ionic Liquid Exhibiting Reversible Color Change. <i>Advanced Functional Materials</i> , 2014 , 24, 2837-2843	15.6	30
123	Imaging and X-ray Microanalysis of a Poly(ethylene-ran-methacrylic acid) Ionomer Melt Neutralized with Sodium. <i>Macromolecules</i> , 2002 , 35, 7419-7426	5.5	29
122	Renewable pyridinium ionic liquids from the continuous hydrothermal decarboxylation of furfural-amino acid derived pyridinium zwitterions. <i>Green Chemistry</i> , 2015 , 17, 4151-4156	10	28
121	On the interaction of ascorbic acid and the tetrachlorocuprate ion [CuCl ₄] ²⁻ in CuCl nanoplatelet formation from an ionic liquid precursor (ILP). <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 13537-43	3.6	28
120	Calcium phosphate mineralization beneath monolayers of poly(n-butylacrylate)-block-poly(acrylic acid) block copolymers. <i>Faraday Discussions</i> , 2008 , 139, 179-97; discussion 213-28, 419-20	3.6	28
119	Mesoporous graphite nanoflakes via ionothermal carbonization of fructose and their use in dye removal. <i>RSC Advances</i> , 2014 , 4, 37423-37430	3.7	26
118	Filling single-wall carbon nanotubes with d- and f-metal chloride and metal nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2003 , 3, 159-63	1.3	26
117	Polymer brush controlled bioinspired calcium phosphate mineralization and bone cell growth. <i>Biomacromolecules</i> , 2011 , 12, 3753-60	6.9	25
116	Calcium Phosphate with a Channel-like Morphology by Polymer Templating. <i>Chemistry of Materials</i> , 2009 , 21, 1572-1578	9.6	24
115	Surface Modification of Nickel/Titanium Alloy and Titanium Surfaces via a Polyelectrolyte Multilayer/Calcium Phosphate Hybrid Coating. <i>Macromolecular Materials and Engineering</i> , 2010 , 295, 535-543	3.9	24
114	Disinfection of water with new chitosan-modified hybrid clay composite adsorbent. <i>Heliyon</i> , 2017 , 3, e00379	3.6	23
113	A green and sustainable nanotechnology: Role of ionic liquids. <i>International Journal of Precision Engineering and Manufacturing</i> , 2012 , 13, 1207-1213	1.7	23
112	A novel type of silver nanoparticles and their advantages in toxicity testing in cell culture systems. <i>Archives of Toxicology</i> , 2012 , 86, 1089-98	5.8	22
111	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?. <i>Dalton Transactions</i> , 2011 , 40, 9977-88	4.3	21

110	Amphiphilic Polymers at Interfaces. <i>Advances in Polymer Science</i> , 2010 , 151-201	1.3	21
109	Controlling water transport through artificial polymer/protein hybrid membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 20643-4	11.5	20
108	Novel metal-doped bacteriostatic hybrid clay composites for point-of-use disinfection of water. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 2128-2141	6.8	19
107	Insights about the Absence of Rb Cation from the 3D Perovskite Lattice: Effect on the Structural, Morphological, and Photophysical Properties and Photovoltaic Performance. <i>Small</i> , 2018 , 14, e1802033	11	19
106	Modular thiol-ene chemistry approach towards mesoporous silica monoliths with organically modified pore walls. <i>Chemistry - A European Journal</i> , 2014 , 20, 17579-89	4.8	19
105	Carbon-based ionogels: tuning the properties of the ionic liquid via carbon-ionic liquid interaction. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 5992-7	3.6	19
104	Synthesis of mesoporous carbon/iron carbide hybrids with unusually high surface areas from the ionic liquid precursor [Bmim][FeCl ₄]. <i>CrystEngComm</i> , 2012 , 14, 4946	3.3	19
103	Calcium phosphate mineralization with linear poly(ethylene imine): a time-resolved study. <i>Colloid and Polymer Science</i> , 2011 , 289, 881-888	2.4	19
102	Calcium phosphate growth beneath a polycationic monolayer at the air-water interface: effects of oscillating surface pressure on mineralization. <i>Nanoscale</i> , 2010 , 2, 2440-6	7.7	19
101	On the chemical synthesis of titanium nanoparticles from ionic liquids. <i>Monatshefte für Chemie</i> , 2010 , 141, 1273-1278	1.4	18
100	Solar-active clay-TiO ₂ nanocomposites prepared via biomass assisted synthesis: Efficient removal of ampicillin, sulfamethoxazole and artemether from water. <i>Chemical Engineering Journal</i> , 2020 , 398, 125544	14.7	18
99	Visible-Light-Mediated Photodynamic Water Disinfection @ Bimetallic-Doped Hybrid Clay Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 25483-25494	9.5	17
98	Co-Deposition of a Hydrogel/Calcium Phosphate Hybrid Layer on 3D Printed Poly(Lactic Acid) Scaffolds via Dip Coating: Towards Automated Biomaterials Fabrication. <i>Polymers</i> , 2018 , 10,	4.5	17
97	Poly(ethylene oxide)-b-poly(3-sulfopropyl methacrylate) block copolymers for calcium phosphate mineralization and biofilm inhibition. <i>Biomacromolecules</i> , 2014 , 15, 3901-14	6.9	17
96	Peptide-intercalated layered metal hydroxides: effect of peptide chain length and side chain functionality on structural, optical and magnetic properties. <i>Chemical Science</i> , 2012 , 3, 1945	9.4	17
95	Tetrahalidocuprates(II) structure and EPR spectroscopy. Part 1: Tetrabromidocuprates(II). <i>New Journal of Chemistry</i> , 2011 , 35, 2793	3.6	17
94	TiO ₂ sphere-tube-fiber transition induced by oligovaline concentration variation. <i>Macromolecular Bioscience</i> , 2007 , 7, 208-17	5.5	17
93	Novel polyimide ionomers: CO ₂ plasticization, morphology, and ion distribution. <i>Polymer</i> , 2003 , 44, 1881-1892	13.1892	17

92	Ionogels Based on Poly(methyl methacrylate) and Metal-Containing Ionic Liquids: Correlation between Structure and Mechanical and Electrical Properties. <i>International Journal of Molecular Sciences</i> , 2016 , 17, 391	6.3	17
91	Crystal structure and chemical composition of biomimetic calcium phosphate nanofibers. <i>RSC Advances</i> , 2013 , 3, 11301	3.7	16
90	Cellulose/gold nanocrystal hybrids via an ionic liquid/aqueous precipitation route. <i>Molecules</i> , 2009 , 14, 4682-8	4.8	16
89	Bioactive Ceramic and Metallic Surfaces for Bone Engineering 2013 , 337-374		15
88	SAPK: A Novel Composite Resin for Water Treatment with Very High Zn ²⁺ , Cd ²⁺ , and Pb ²⁺ Adsorption Capacity. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 578-585	3.9	15
87	TOF-SIMS analysis of cell membrane changes in functional impaired human macrophages upon nanosilver treatment. <i>Surface and Interface Analysis</i> , 2013 , 45, 483-485	1.5	15
86	Diversified applications of chemically modified 1,2-polybutadiene. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 1157-62	4.8	15
85	Silsesquioxane/polyamine nanoparticle-templated formation of star- or raspberry-like silica nanoparticles. <i>Langmuir</i> , 2009 , 25, 7109-15	4	15
84	CuS nanoplates from ionic liquid precursors-Application in organic photovoltaic cells. <i>Journal of Chemical Physics</i> , 2018 , 148, 193818	3.9	14
83	ToF-SIMS and Laser-SNMS analysis of macrophages after exposure to silver nanoparticles. <i>Surface and Interface Analysis</i> , 2013 , 45, 286-289	1.5	14
82	Ionic Liquid-Assisted Synthesis of Mesoporous Silk Fibroin/Silica Hybrids for Biomedical Applications. <i>ACS Omega</i> , 2018 , 3, 10811-10822	3.9	14
81	Successful scale-up performance of a novel papaya-clay combo adsorbent: up-flow adsorption of a basic dye. <i>Desalination and Water Treatment</i> , 2015 , 56, 536-551		13
80	Polytriazolium poly(ionic liquid) bearing triiodide anions: Synthesis, basic properties and electrochemical behaviors. <i>Polymer</i> , 2017 , 124, 246-251	3.9	12
79	Amino Acids in Iron Oxide Mineralization: (Incomplete) Crystal Phase Selection Is Achieved Even with Single Amino Acids. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 12104-12110	3.8	12
78	Interface-controlled calcium phosphate mineralization: effect of oligo(aspartic acid)-rich interfaces. <i>CrystEngComm</i> , 2015 , 17, 6901-6913	3.3	11
77	First examples of organosilica-based ionogels: synthesis and electrochemical behavior. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 736-751	3	11
76	Recombinant DNA technology and click chemistry: a powerful combination for generating a hybrid elastin-like-statherin hydrogel to control calcium phosphate mineralization. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 772-783	3	11
75	Biomimetic synthesis of chiral erbium-doped silver/peptide/silica core-shell nanoparticles (ESPN). <i>Nanoscale</i> , 2011 , 3, 5168-79	7.7	11

74	Electrospinning of Ionogels: Current Status and Future Perspectives. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 1148-1159	2.3	10
73	Magnetic Ionogels (MagIGs) Based on Iron Oxide Nanoparticles, Poly(N-isopropylacrylamide), and the Ionic Liquid Trihexyl(tetradecyl)phosphonium Dicyanamide. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 5245-5251	2.3	10
72	Carbon Adsorbents from Spent Coffee for Removal of Methylene Blue and Methyl Orange from Water. <i>Materials</i> , 2021 , 14,	3.5	10
71	Sulfobetaine Cryogels for Preferential Adsorption of Methyl Orange from Mixed Dye Solutions. <i>Polymers</i> , 2021 , 13,	4.5	10
70	Biological and Bioinspired Micro- and Nanostructured Adhesives 2013 , 409-439		9
69	Polymer Hydrogel/Polybutadiene/Iron Oxide Nanoparticle Hybrid Actuators for the Characterization of NiTi Implants. <i>Materials</i> , 2009 , 2, 207-220	3.5	9
68	Metal Complexes with Macrocyclic Ligands. Part XLII. Tetraazamacrocyclic nickel(II) complexes with a methylthio or a methoxy pendant chain as model for cofactor F430. <i>Helvetica Chimica Acta</i> , 1996 , 79, 1011-1020	2	9
67	Current Topics in Ionic Liquid Crystals.. <i>ChemPlusChem</i> , 2021 ,	2.8	9
66	Surface Etching of 3D Printed Poly(lactic acid) with NaOH: A Systematic Approach. <i>Polymers</i> , 2020 , 12,	4.5	9
65	Facile Synthesis of Hierarchical CuS and CuCoS Structures from an Ionic Liquid Precursor for Electrocatalysis Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 52560-52570	9.5	8
64	Highly structured, biomorphous BiC with high specific surface area from Equisetaceae. <i>Journal of Materials Chemistry</i> , 2012 , 22, 9046		7
63	Carbon-mediated visible-light clay-Fe ₂ O ₃ /graphene oxide catalytic nanocomposites for the removal of steroid estrogens from water. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101865	6.7	7
62	Design Principles of Lipid-like Ionic Liquids for Gene Delivery.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 4737-4743	4.4	7
61	Stereolithography Provides Access to 3D Printed Ionogels with High Ionic Conductivity. <i>Energy & Fuels</i> , 2019 , 33, 12885-12893	4.1	7
60	Anionic Polymer Brushes for Biomimetic Calcium Phosphate Mineralization-A Surface with Application Potential in Biomaterials. <i>Polymers</i> , 2018 , 10,	4.5	7
59	Surface Modification of Polymeric Biomaterials 2013 , 89-158		6
58	Alkylpyridinium Tetrahalidometallate Ionic Liquids and Ionic Liquid Crystals: Insights into the Origin of Their Phase Behavior. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 5640-5649	2.3	6
57	Two-Dimensional Hybrid Materials: Transferring Technology from Biology to Society. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 1089-1095	2.3	6

56	Poly(ethylene oxide)-based block copolymers with very high molecular weights for biomimetic calcium phosphate mineralization. <i>RSC Advances</i> , 2015 , 5, 103494-103505	3.7	6
55	Poly(ethylene oxide)–poly(ethylene imine) block copolymers as templates and catalysts for the in situ formation of monodisperse silica nanospheres. <i>Colloid and Polymer Science</i> , 2010 , 288, 1645-1650	2.4	6
54	Surface Segregation of Counterions in Ionomer Films. <i>Macromolecules</i> , 2008 , 41, 9299-9305	5.5	6
53	A Dendritic Amphiphile for Efficient Control of Biomimetic Calcium Phosphate Mineralization. <i>Macromolecular Bioscience</i> , 2017 , 17, 1600524	5.5	5
52	New micro/mesoporous nanocomposite material from low-cost sources for the efficient removal of aromatic and pathogenic pollutants from water. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 119-131	3	5
51	Preparation, characterization, and thermal gelation of amphiphilic alkyl-poly(ethyleneimine). <i>Langmuir</i> , 2009 , 25, 10558-66	4	5
50	Ionic Liquids with More than One Metal: Optical and Electrochemical Properties versus d-Block Metal Combinations. <i>Chemistry - A European Journal</i> , 2020 , 26, 17504-17513	4.8	5
49	Water-Soluble Cellulose Derivatives Are Sustainable Additives for Biomimetic Calcium Phosphate Mineralization. <i>Inorganics</i> , 2016 , 4, 33	2.9	5
48	A Modular Approach towards Meso–porous Silica Monoliths with Organically Modified Pore Walls: Nucleophilic Addition, Olefin Metathesis, and Cycloaddition. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 2088-2099	2.3	5
47	Preparation of Activated Carbons from Spent Coffee Grounds and Coffee Parchment and Assessment of Their Adsorbent Efficiency. <i>Processes</i> , 2021 , 9, 1396	2.9	5
46	Cholesteryl Hemisuccinate Monolayers Efficiently Control Calcium Phosphate Nucleation and Growth. <i>Crystal Growth and Design</i> , 2017 , 17, 5764-5774	3.5	4
45	Clay–Organic Interfaces for Design of Functional Hybrid Materials 2017 , 1-84		4
44	Ionogel Fiber Mats: Functional Materials via Electrospinning of PMMA and the Ionic Liquid Bis(1-butyl-3-methyl-imidazolium) Tetrachloridocuprate(II), [Bmim] ₂ [CuCl ₄]. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013 , 68, 1163-1171	1	4
43	–(4-Cyanobenzoyl)oxy)–methyl poly(ethylene glycol): a new stabilizer for silver nanoparticles. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 627-635	3	3
42	Identification of nano clay in composite polymers. <i>Surface and Interface Analysis</i> , 2014 , 46, 334-336	1.5	3
41	Generic Methods of Surface Modification to Control Adhesion of Cells and Beyond 2013 , 441-467		3
40	Hybrid Materials Engineering in Biology, Chemistry, and Physics. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 1086-1088	2.3	3
39	Filling Single Wall Carbon Nanotubes with Metal Chloride and Metal Nanowires and Imaging with Scanning Transmission Electron Microscopy. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 706, 1		3

38	SpiderMAEn: recombinant spider silk-based hybrid materials for advanced energy technology. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2019 , 8, 99-108	1-3	3
37	Metal Sulfide Nanoparticle Synthesis with Ionic Liquids - State of the Art and Future Perspectives. <i>ChemistryOpen</i> , 2021 , 10, 272-295	2-3	3
36	silk/titania/gold hybrid materials for photocatalytic water splitting: combining renewable raw materials with clean fuels. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 187-204	3	3
35	Single-route delaminated clay composites for efficient visible-light photo-mineralization of antibiotic-resistant bacteria and associated genes in water. <i>Applied Catalysis B: Environmental</i> , 2021 , 292, 120143	21-8	3
34	Composition inversion to form calcium carbonate mixtures. <i>CrystEngComm</i> , 2017 , 19, 3573-3583	3-3	2
33	Electrode-Neural Tissue Interactions: Immune Responses, Current Technologies, and Future Directions 2013 , 539-565		2
32	Surface-Grafted Polymer Brushes 2013 , 27-43		2
31	EDTA and NTA Effectively Tune the Mineralization of Calcium Phosphate from Bulk Aqueous Solution. <i>Biomimetics</i> , 2017 , 2,	3-7	2
30	Effect of the Post-Harvest Processing on Protein Modification in Green Coffee Beans by Phenolic Compounds.. <i>Foods</i> , 2022 , 11,	4-9	2
29	Mixed Mercaptocarboxylic Acid Shells Provide Stable Dispersions of InPZnS/ZnSe/ZnS Multishell Quantum Dots in Aqueous Media. <i>Nanomaterials</i> , 2020 , 10,	5-4	2
28	Luminescent Ionogels with Excellent Transparency, High Mechanical Strength, and High Conductivity. <i>Nanomaterials</i> , 2020 , 10,	5-4	2
27	Ion and Proton Transport In Aqueous/Nonaqueous Acidic Ionic Liquids for Fuel-Cell Applications-Insight from High-Pressure Dielectric Studies. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30614-30624	9-5	2
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25	Cation and anion substitutions in hybrid perovskites: solubility limits and phase stabilizing effects 2018 ,		2
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