

Anja Mudring

List of Publications by Year in Descending Order

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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.

279
papers

6,190
citations

42
h-index

62
g-index

343
ext. papers

6,827
ext. citations

5
avg, IF

6.31
L-index

#	Paper	IF	Citations
279	Ionic liquids and deep eutectics as a transformative platform for the synthesis of nanomaterials.. <i>Chemical Communications</i> , 2022 ,	5.8	9
278	Lanthanide-based complexes as efficient physiological temperature sensors. <i>Materials Chemistry and Physics</i> , 2022 , 277, 125424	4.4	2
277	Accessing Lanthanide Tricyanomethanide Coordination Polymers Using Ionic Liquids. <i>Crystal Growth and Design</i> , 2022 , 22, 2372-2381	3.5	0
276	Shape Preserving Single Crystal to Amorphous to Single Crystal Polymorphic Transformation Is Possible. <i>Journal of the American Chemical Society</i> , 2021 , 143, 20202-20206	16.4	
275	Magnetic, Photo- and Electroluminescent: Multifunctional Ionic Tb Complexes. <i>Inorganic Chemistry</i> , 2021 , 60, 17487-17497	5.1	1
274	Crystal and Magnetic Structures of the Ternary HoNiSi and HoNiGe Compounds: An Example of Intermetallics Crystallizing with the ZrNiP Prototype. <i>Inorganic Chemistry</i> , 2021 , 60, 16397-16408	5.1	
273	Anhydrous vs Hydrated f-Element Acetate Polymers Dictated by the Stoichiometry of Protic Acidic/Basic Azole Mixtures. <i>Crystal Growth and Design</i> , 2021 , 21, 2516-2525	3.5	0
272	Ionic Liquid-Based Dye-Sensitized Solar Cells Insights into Electrolyte and Redox Mediator Design. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 8107-8114	8.3	5
271	Investigation in the ternary Ta-Ni-P system: Solid state phase equilibria at T=1070 K, crystal and electronic structures of new ternary phosphides. <i>Journal of Alloys and Compounds</i> , 2021 , 864, 158122	5.7	2
270	Sandwiched Kagomí Lattices in a Coordination Polymer Based on Mixed-Valent Uranium. <i>Crystal Growth and Design</i> , 2021 , 21, 1727-1733	3.5	1
269	Synthesis of luminescent semiconductor nanoparticles in ionic liquids The importance of the ionic liquid in the formation of quantum dots. <i>Green Chemistry Letters and Reviews</i> , 2021 , 14, 128-136	4.7	4
268	Uncovering new transition metal Zintl phases by cation substitution: the crystal chemistry of Ca ₃ CuGe ₃ and Ca _{2+n} MnxAg _{2n+z} Ge _{2+n} (n = 3, 4). <i>CrystEngComm</i> , 2021 , 23, 2711-2722	3.3	
267	Developing design tools for introducing and tuning structural order in ionic liquids. <i>CrystEngComm</i> , 2021 , 23, 1785-1795	3.3	1
266	Ready Access to Anhydrous Anionic Lanthanide Acetates by Using Imidazolium Acetate Ionic Liquids as the Reaction Medium. <i>Chemistry - A European Journal</i> , 2021 , 27, 13181-13189	4.8	3
265	New intermetallics R _{1+x} Zr _{1-x} Ni (R = Er, x ~ 0.5) with the TiNiSi type of structure. <i>Intermetallics</i> , 2021 , 137, 107279	3.5	
264	Crystal and electronic structures of the new ternary silicide Sc ₁₂ Co _{41.8} Si _{30.2} . <i>Journal of Solid State Chemistry</i> , 2021 , 302, 122373	3.3	
263	Structural analysis of mono-substituted N-butyl-pyridinium salts: in search of ionic liquids. <i>Journal of Coordination Chemistry</i> , 2021 , 74, 117-128	1.6	1

262	The Power of Ionic Liquids: Crystal Facet Engineering of SrTiO ₃ Nanoparticles for Tailored Photocatalytic Applications. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2000180	5.9	5
261	Forcing Dicyanamide Coordination to f-Elements by Dissolution in Dicyanamide-Based Ionic Liquids. <i>Inorganic Chemistry</i> , 2020 , 59, 7227-7237	5.1	10
260	Ternary Polar Intermetallics within the Pt/Sn/R Systems (R = La-Sm): Stannides or Platinides?. <i>Inorganic Chemistry</i> , 2020 , 59, 7352-7359	5.1	0
259	Efficient and Long Lived Green Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2020 , 30, 1909809	15.6	12
258	Benchtop access to anhydrous actinide N-donor coordination complexes using ionic liquids. <i>Chemical Communications</i> , 2020 , 56, 4232-4235	5.8	8
257	Ferromagnetic cluster-glass phase in Ca(Co _{1-x} Ir _x) ₂ As ₂ crystals. <i>Physical Review B</i> , 2020 , 102,	3.3	2
256	Dehydration of UOCl ₂ ·6H ₂ O and Nd(NO ₃) ₆ H ₂ O with a Soft Donor Ligand and Comparison of Their Interactions through X-ray Diffraction and Theoretical Investigation. <i>Inorganic Chemistry</i> , 2020 , 59, 2861-2869	5.1	6
255	Metallic alloys at the edge of complexity: structural aspects, chemical bonding and physical properties. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 243002	1.8	10
254	Paramagnetic iron-containing ionic liquid crystals. <i>Journal of Molecular Liquids</i> , 2020 , 304, 112583	6	2
253	A fivefold node is a path to dodecagonal quasicrystal approximants in coordination polymers. <i>Science Advances</i> , 2020 , 6, eaay7685	14.3	8
252	Magnetic phase transitions in Eu(Co _{1-x} Ni _x) ₂ As ₂ single crystals. <i>Physical Review Materials</i> , 2020 , 4,	3.2	1
251	Elucidating structure-property relationships in imidazolium-based halide ionic liquids: crystal structures and thermal behavior. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2020 , 235, 365-374	1	1
250	Photoisomerization and Mesophase Formation in Azo-Ionic Liquids. <i>Crystal Growth and Design</i> , 2020 , 20, 214-225	3.5	3
249	Mechanochemical synthesis, luminescent and magnetic properties of lanthanide benzene-1,4-dicarboxylate coordination polymers (Ln _{0.5} Gd _{0.5}) ₂ (1,4-BDC) ₃ (H ₂ O) ₄ ; Ln = Sm, Eu, Tb. <i>New Journal of Chemistry</i> , 2020 , 44, 1054-1062	3.6	8
248	Metamagnetic transition, magnetocaloric effect and electronic structure of the rare-earth anti-perovskite SnOEu ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 501, 166405	2.8	3
247	Sustainable Urban Mining of Critical Elements from Magnet and Electronic Wastes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1455-1463	8.3	15
246	New cation-disordered quaternary selenides Tl ₂ Ga ₂ TtSe ₆ (Tt=Ge, Sn). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2020 , 75, 135-142	1	4
245	Synthesis of Anhydrous Acetates for the Components of Nuclear Fuel Recycling in Dialkylimidazolium Acetate Ionic Liquids. <i>Inorganic Chemistry</i> , 2020 , 59, 818-828	5.1	10

244	Structural Consequences of Halogen Bonding in Dialkylimidazolium: A New Design Strategy for Ionic Liquids Illustrated with the I2 Cocrystal and Acetonitrile Solvate of 1,3-Dimethylimidazolium Iodide. <i>Crystal Growth and Design</i> , 2020 , 20, 498-505	3.5	1
243	Binary Intermetallics in the 70 atom % R Region of Two R-Pd Systems (R = Tb and Er): Hidden, Obscured, or Nonexistent?. <i>Inorganic Chemistry</i> , 2020 , 59, 10802-10812	5.1	2
242	Crystallographic evidence of Watson-Crick connectivity in the base pair of anionic adenine with thymine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 18224-18230	11.5	10
241	Rationally designed rare earth separation by selective oxalate solubilization. <i>Chemical Communications</i> , 2020 , 56, 11386-11389	5.8	10
240	Fluorinated Cationic Iridium(III) Complex Yielding an Exceptional, Efficient, and Long-Lived Red-Light-Emitting Electrochemical Cell. <i>ACS Applied Energy Materials</i> , 2020 , 3, 9271-9277	6.1	4
239	A soft chemistry approach to the synthesis of single crystalline and highly pure (NH)CoF for optical and magnetic investigations. <i>Journal of Chemical Physics</i> , 2020 , 153, 104501	3.9	0
238	Green Light-Emitting Electrochemical Cells: Efficient and Long Lived Green Light-Emitting Electrochemical Cells (Adv. Funct. Mater. 33/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070225	15.6	
237	Synthesis and Crystal Structure of the Short LnSb ₂ O ₄ Br Series (Ln = Eu, Tb) and Luminescence Properties of Eu ³⁺ -Doped Samples. <i>Crystals</i> , 2020 , 10, 1089	2.3	4
236	Ionothermal Synthesis, Structures, and Magnetism of Three New Open Framework Iron Halide-Phosphates. <i>Inorganic Chemistry</i> , 2019 , 58, 13203-13212	5.1	8
235	Active-Transition-Metal Tellurides: Through Crystal Structures to Physical Properties. <i>Crystal Growth and Design</i> , 2019 , 19, 5429-5440	3.5	2
234	Structures, properties, and potential applications of rare earth-noble metal tellurides. <i>Journal of Solid State Chemistry</i> , 2019 , 274, 243-258	3.3	4
233	Alternative to the Popular Imidazolium Ionic Liquids: 1,2,4-Triazolium Ionic Liquids with Enhanced Thermal and Chemical Stability. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15995-16006	8.3	13
232	Highly Luminescent Ionic Liquids Based on Complex Lanthanide Saccharinates. <i>Inorganic Chemistry</i> , 2019 , 58, 11569-11578	5.1	9
231	Ionothermal Synthesis Enables Access to 3D Open Framework Manganese Phosphates Containing Extra-Large 18-Ring Channels. <i>Chemistry of Materials</i> , 2019 , 31, 7329-7339	9.6	9
230	Stability, Crystal Chemistry, and Magnetism of UNiB and NbNiB and the Role of Uranium in the Formation of the Quaternary UNbNiB and UNbNiB Systems. <i>Inorganic Chemistry</i> , 2019 , 58, 15045-15059	5.1	
229	Helical antiferromagnetic ordering in EuNi _{1.95} As ₂ single crystals. <i>Physical Review B</i> , 2019 , 100,	3.3	8
228	Non-Fermi-liquid types of behavior associated with a magnetic quantum critical point in Sr(Co _{1-x} Ni _x) ₂ As ₂ single crystals. <i>Physical Review B</i> , 2019 , 100,	3.3	8
227	Upconversion luminescence in sub-10 nm NaGdF ₄ :Yb,Er nanoparticles: an improved synthesis in anhydrous ionic liquids.. <i>RSC Advances</i> , 2019 , 9, 34784-34792	3.7	3

226	Luminescence properties of a family of lanthanide metal-organic frameworks. <i>Microporous and Mesoporous Materials</i> , 2019 , 279, 400-406	5.3	41
225	Anomalous effects of Sc substitution and processing on magnetism and structure of (Gd _{1-x} Sc _x) ₅ Ge ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 474, 482-492	2.8	1
224	Rare earth metal-containing ionic liquids. <i>Coordination Chemistry Reviews</i> , 2018 , 363, 1-16	23.2	48
223	Enhanced moments of Eu in single crystals of the metallic helical antiferromagnet EuCo ₂ As ₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	11
222	R ₁₄ (Au, M) ₅₁ (R = Y, La, Nd, Sm, Tb, Ho, Er, Yb, Lu; M = Al, Ga, Ge, In, Sn, Sb, Bi): Stability Ranges and Site Preference in the Gd ₁₄ Ag ₅₁ Structure Type. <i>Crystal Growth and Design</i> , 2018 , 18, 993-1001	3.5	1
221	Antiferromagnetism in semiconducting SrMn ₂ Sb ₂ and BaMn ₂ Sb ₂ single crystals. <i>Physical Review B</i> , 2018 , 97,	3.3	10
220	Sodium Salicylate: An In-Depth Thermal and Photophysical Study. <i>Chemistry - A European Journal</i> , 2018 , 24, 15638-15648	4.8	7
219	From the Nonexistent Polar Intermetallic PtPr via PtPr to Pt/Sn/Pr Ternaries. <i>Inorganic Chemistry</i> , 2018 , 57, 9949-9961	5.1	4
218	Luminescence properties of mechanochemically synthesized lanthanide containing MIL-78 MOFs. <i>Dalton Transactions</i> , 2018 , 47, 7594-7601	4.3	32
217	Synthesis, structural characterization and luminescence properties of 1-carboxymethyl-3-ethylimidazolium chloride. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018 , 74, 653-658	0.8	5
216	Luminescence and energy transfer in NaGdF ₄ :Eu ³⁺ ,Er ³⁺ nanocrystalline samples from a room temperature synthesis. <i>New Journal of Chemistry</i> , 2018 , 42, 237-245	3.6	7
215	Controlling magnetism via transition metal exchange in the series of intermetallics Eu(T ₁ ,T ₂) ₅ In (T = Cu, Ag, Au). <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1353-1362	7.1	1
214	Bringing order to large-scale disordered complex metal alloys: Gd ₂ Au ₁₅ Sb _x and BaAuxGa ₁₂ . <i>CrystEngComm</i> , 2018 , 20, 348-355	3.3	1
213	Supramolecularly Caged Green-Emitting Ionic Ir(III)-Based Complex with Fluorinated C ^N Ligands and Its Application in Light-Emitting Electrochemical Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11026-11036	9.5	11
212	TbPd, ErPd and ErCo: structural variations and bonding in rare-earth-richer binary intermetallics. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018 , 74, 991-996	0.8	1
211	An Obscured or Nonexistent Binary Intermetallic, Co ₇ Pr ₁₇ , Its Existent Neighbor Co ₂ Pr ₅ , and Two New Ternaries in the System Co/Sn/Pr, CoSn ₃ Pr ₁₇ , and Co ₂ Sn ₇ Pr ₃ . <i>Crystal Growth and Design</i> , 2018 , 18, 6273-6283	3.5	2
210	Magnetocaloric Behavior in Ternary Europium Indides EuT ₅ In: Probing the Design Capability of First-Principles-Based Methods on the Multifaceted Magnetic Materials. <i>Chemistry of Materials</i> , 2017 , 29, 2599-2614	9.6	20
209	EuNi ₅ InH _{1.5x} (x = 0.5): hydrogen induced structural and magnetic transitions. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2994-3006	7.1	8

208	Improving the zT value of thermoelectrics by nanostructuring: tuning the nanoparticle morphology of SbTe by using ionic liquids. <i>Dalton Transactions</i> , 2017 , 46, 656-668	4.3	29
207	Ionic liquid supported synthesis of nano-sized rare earth doped phosphates. <i>Journal of Luminescence</i> , 2017 , 189, 99-112	3.8	11
206	Long term stable deep red light-emitting electrochemical cells based on an emissive, rigid cationic Ir(III) complex. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3049-3055	7.1	15
205	RAuPn (R = Y, Gd-Tm; Pn = Sb, Bi): A Link between CuSn and GdAg. <i>Inorganic Chemistry</i> , 2017 , 56, 7247-7256	5.6	7
204	Ionic-Liquid-Assisted Microwave Synthesis of Solid Solutions of Sr Ba SnO Perovskite for Photocatalytic Applications. <i>ChemSusChem</i> , 2017 , 10, 3387-3401	8.3	30
203	Recent trends in binary and ternary rare-earth fluoride nanophosphors: How structural and physical properties influence optical behavior. <i>Journal of Luminescence</i> , 2017 , 189, 44-63	3.8	60
202	Room temperature synthesis of NaGdF_4 : RE ³⁺ (RE= Eu, Er) nanocrystallites and their luminescence. <i>Journal of Luminescence</i> , 2017 , 189, 91-98	3.8	14
201	Scrutinizing Design Principles toward Efficient, Long-Term Stable Green Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2017 , 27, 1605588	15.6	35
200	Layered Structures and Disordered Polyanionic Nets in the Cation-Poor Polar Intermetallics CsAu _{1.4} Ga _{2.8} and CsAu ₂ Ga _{2.6} . <i>Crystal Growth and Design</i> , 2017 , 17, 693-700	3.5	4
199	Breaking the paradigm: record quidecim charged magnetic ionic liquids. <i>Materials Horizons</i> , 2017 , 4, 217-221	14.4	15
198	Green-yellow emitting hybrid light emitting electrochemical cell. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 12062-12068	7.1	18
197	Open-Framework Manganese(II) and Cobalt(II) Borophosphates with Helical Chains: Structures, Magnetic, and Luminescent Properties. <i>Inorganic Chemistry</i> , 2017 , 56, 11104-11112	5.1	14
196	Size of the rare-earth ions: a key factor in phase tuning and morphology control of binary and ternary rare-earth fluoride materials. <i>RSC Advances</i> , 2017 , 7, 33467-33476	3.7	15
195	Microwave-Assisted Synthesis of Perovskite SrSnO Nanocrystals in Ionic Liquids for Photocatalytic Applications. <i>Inorganic Chemistry</i> , 2017 , 56, 6920-6932	5.1	43
194	Gold Polar Intermetallics: Structural Versatility through Exclusive Bonding Motifs. <i>Accounts of Chemical Research</i> , 2017 , 50, 2633-2641	24.3	17
193	Divalent Europium doped CaF ₂ and BaF ₂ nanocrystals from ionic liquids. <i>Journal of Luminescence</i> , 2017 , 189, 2-8	3.8	8
192	Design of LaPO ₄ :Nd ³⁺ materials by using ionic liquids. <i>Optical Materials</i> , 2017 , 63, 76-87	3.3	14
191	Anomalous Composition-Induced Crossover in the Magnetic Properties of the Itinerant-Electron Antiferromagnet Ca _{1-x} Sr _x Co _{2-y} As ₂ . <i>Physical Review Letters</i> , 2017 , 119, 257203	7.4	10

190	Crystal structures and new perspectives on YAu and YAu. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017 , 73, 692-696	0.8	6
189	Ionic liquid assisted microwave synthesis route towards color-tunable luminescence of lanthanide-doped BiPO ₄ . <i>Journal of Luminescence</i> , 2016 , 170, 641-647	3.8	17
188	Controllable synthesis of nanoscale YPO ₄ :Eu ³⁺ in ionic liquid. <i>Journal of Luminescence</i> , 2016 , 169, 868-873	3.3	15
187	Sonochemical synthesis of highly luminescent Ln ₂ O ₃ :Eu ³⁺ (Y, La, Gd) nanocrystals. <i>Journal of Luminescence</i> , 2016 , 169, 587-593	3.8	17
186	Titelbild: Caesiumplatinidhydrid, 4 Cs ₂ Pt ₂ CsH: ein intermetallisches Doppelsalz mit Metall-Anionen (Angew. Chem. 47/2016). <i>Angewandte Chemie</i> , 2016 , 128, 14687-14687	3.6	
185	Gold in the Layered Structures of R ₃ Au ₇ Sn ₃ : From Relativity to Versatility. <i>Crystal Growth and Design</i> , 2016 , 16, 5657-5668	3.5	13
184	Cesium Platinide Hydride 4Cs Pt ₂ CsH: An Intermetallic Double Salt Featuring Metal Anions. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14838-14841	16.4	11
183	Gd ₃ Ni ₂ and Gd ₃ CoxNi ₂ : magnetism and unexpected Co/Ni crystallographic ordering. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6078-6089	7.1	11
182	Phase selective synthesis of quantum cutting nanophosphors and the observation of a spontaneous room temperature phase transition. <i>Nanoscale</i> , 2016 , 8, 8160-9	7.7	27
181	Coordination Chemistry in Rare Earth Containing Ionic Liquids. <i>Fundamental Theories of Physics</i> , 2016 , 50, 395-420	0.8	1
180	Caesiumplatinidhydrid, 4 Cs ₂ Pt ₂ CsH: ein intermetallisches Doppelsalz mit Metall-Anionen. <i>Angewandte Chemie</i> , 2016 , 128, 15059-15062	3.6	
179	New R ₃ Pd ₅ Compounds (R = Sc, Y, Gd, Lu): Formation and Stability, Crystal Structure, and Antiferromagnetism. <i>Crystal Growth and Design</i> , 2016 , 16, 6001-6015	3.5	6
178	The missing hydrate AlF ₃ ·6H ₂ O [Al(H ₂ O) ₆]F ₃ : Ionothermal synthesis, crystal structure and characterization of aluminum fluoride hexahydrate. <i>Solid State Sciences</i> , 2016 , 61, 58-62	3.4	3
177	Mesophase Stabilization in Ionic Liquid Crystals through Pairing Equally Shaped Mesogenic Cations and Anions. <i>Crystal Growth and Design</i> , 2015 , 15, 5388-5396	3.5	9
176	Record figure of merit values of highly stoichiometric Sb ₂ Te ₃ porous bulk synthesized from tailor-made molecular precursors in ionic liquids. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 10375-10380	7.1	27
175	Gold-rich R ₃ Au ₇ Sn ₃ : establishing the interdependence between electronic features and physical properties. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8311-8321	7.1	17
174	Azobenzene-Based Organic Salts with Ionic Liquid and Liquid Crystalline Properties. <i>Crystal Growth and Design</i> , 2015 , 15, 4701-4712	3.5	16
173	From the Ternary Eu(Au/In) ₂ and EuAu ₄ (Au/In) ₂ with Remarkable Au/In Distributions to a New Structure Type: The Gold-Rich Eu ₅ Au ₁₆ (Au/In) ₆ Structure. <i>Inorganic Chemistry</i> , 2015 , 54, 8187-96	5.1	18

172	Cation-Poor Complex Metallic Alloys in Ba(Eu)-Au-Al(Ga) Systems: Identifying the Keys that Control Structural Arrangements and Atom Distributions at the Atomic Level. <i>Inorganic Chemistry</i> , 2015 , 54, 10296-308 ²³	5.1	19
171	Crystal structure and bonding in BaAu ₅ Ga ₂ and AeAu _{4+x} Ga _{3-x} (Ae = Ba and Eu): hexagonal diamond-type Au frameworks and remarkable cation/anion partitioning in the Ae-Au-Ga systems. <i>Inorganic Chemistry</i> , 2015 , 54, 1010-8	5.1	19
170	Ionic Liquid-Assisted Sonochemical Preparation of CeO ₂ Nanoparticles for CO Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 42-54	8.3	42
169	A novel approach to prepare optically active ion doped luminescent materials via electron beam evaporation into ionic liquids. <i>Chemical Communications</i> , 2015 , 51, 114-7	5.8	8
168	Low-temperature route to metal titanate perovskite nanoparticles for photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , 2015 , 178, 20-28	21.8	58
167	Energy efficient microwave synthesis of mesoporous Ce _{0.5} Mo _{0.5} O ₂ (Ti, Zr, Hf) nanoparticles for low temperature CO oxidation in an ionic liquid: a comparative study. <i>New Journal of Chemistry</i> , 2015 , 39, 1339-1347	3.6	15
166	Silica ionogels synthesized with imidazolium based ionic liquids in presence of supercritical CO ₂ . <i>Journal of Supercritical Fluids</i> , 2015 , 105, 60-65	4.2	18
165	Influence of the Counteranion on the Ability of 1-Dodecyl-3-methyltriazolium Ionic Liquids to Form Mesophases. <i>Crystal Growth and Design</i> , 2015 , 15, 752-758	3.5	19
164	Triazolium based ionic liquid crystals: effect of asymmetric substitution. <i>RSC Advances</i> , 2015 , 5, 16886-16896	3.9	24
163	Reaching quantum yields >>100% in nanomaterials. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1862	7.1	34
162	(1-Butyl-4-methyl-pyridinium)[Cu(SCN) ₂]: a coordination polymer and ionic liquid. <i>Chemistry - A European Journal</i> , 2014 , 20, 5338-45	4.8	37
161	A roadmap to uranium ionic liquids: anti-crystal engineering. <i>Chemistry - A European Journal</i> , 2014 , 20, 6482-93	4.8	18
160	Charge compensation in RE ₃ ⁺ (RE = Eu, Gd) and M ⁺ (M = Li, Na, K) co-doped alkaline earth nanofluorides obtained by microwave reaction with reactive ionic liquids leading to improved optical properties. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 9439-9450	7.1	44
159	Influence of scCO ₂ , Ultrasound, and Quaternary Ammonium Salt on Gelation Time and Structural Characteristics of Silica. <i>Chemical Engineering and Technology</i> , 2014 , 37, 1873-1878	2	2
158	Quantum cutting in nanoparticles producing two green photons. <i>Chemical Communications</i> , 2014 , 50, 13282-4	5.8	20
157	New triazolium based ionic liquid crystals. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 7976	7.1	28
156	Highly luminescent salts containing well-shielded lanthanide-centered complex anions and bulky imidazolium counteranions. <i>Inorganic Chemistry</i> , 2014 , 53, 9027-35	5.1	20
155	A Systematic Study on the Mesomorphic Behavior of Asymmetrical 1-Alkyl-3-dodecylimidazolium Bromides. <i>Crystal Growth and Design</i> , 2014 , 14, 1561-1571	3.5	19

154	Bis-cationic ionic liquid crystals. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 458-473	7.1	48
153	Ionothermal synthesis of open-framework metal phosphates with a Kagomí lattice network exhibiting canted anti-ferromagnetism Electronic supplementary information (ESI) available: Cif files, atomic parameters, X-ray diffraction patterns, IR spectra, TG curves, and thermal ellipsoid plot and atomic label schemes of compound. See DOI: 10.1039/c4tc00290c Click here for additional data	7.1	19
152	Highly luminescent and color-tunable salicylate ionic liquids. <i>Chemistry - A European Journal</i> , 2014 , 20, 4704-12	4.8	29
151	Ionothermal synthesis, crystal structure, and magnetic study of Co ₂ PO ₄ OH isostructural with caminite. <i>Inorganic Chemistry</i> , 2014 , 53, 3072-7	5.1	13
150	Small nickel nanoparticle arrays from long chain imidazolium ionic liquids. <i>Nanoscale</i> , 2014 , 6, 3367-75	7.7	43
149	High-Throughput Fabrication of AuCu Nanoparticle Libraries by Combinatorial Sputtering in Ionic Liquids. <i>Advanced Functional Materials</i> , 2014 , 24, 2049-2056	15.6	61
148	Eu ³⁺ as a dual probe for the determination of IL anion donor power: A combined luminescence spectroscopic and electrochemical approach. <i>Journal of Molecular Liquids</i> , 2014 , 192, 191-198	6	11
147	Mild yet phase-selective preparation of TiO ₂ nanoparticles from ionic liquids—a critical study. <i>Nanoscale</i> , 2013 , 5, 8045-55	7.7	44
146	Phosphonium chloromercurate room temperature ionic liquids of variable composition. <i>Inorganic Chemistry</i> , 2013 , 52, 13997-4009	5.1	4
145	Interface-assisted ionothermal synthesis, phase tuning, surface modification and bioapplication of Ln-doped NaGdF ₄ nanocrystals. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 179-185	7.3	20
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2	Stereochemical Activity of Lone Pairs in Heavier Main-group Element Compounds	15-28	5
1	Nanomaterials for Energy Conversion-The Synthesis of Highly Crystalline Ytterbium(III) Fluoride Nanoparticles From Ionic Liquids. <i>Ceramic Engineering and Science Proceedings</i> , 137-148	0.1	