

Anja Mudring

List of Publications by Year in descending order

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290
papers

7,410
citations

53660

45
h-index

98622

67
g-index

343
all docs

343
docs citations

343
times ranked

6465
citing authors

#	ARTICLE	IF	CITATIONS
1	Dysprosium Room-Temperature Ionic Liquids with Strong Luminescence and Response to Magnetic Fields. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7635-7638.	7.2	246
2	Europium-Based Ionic Liquids as Luminescent Soft Materials. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7631-7634.	7.2	201
3	Ionic Liquids for Lanthanide and Actinide Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 2569-2581.	1.0	180
4	Intense near-infrared luminescence of anhydrous lanthanide(III) iodides in an imidazolium ionic liquid. <i>Chemical Physics Letters</i> , 2005, 402, 75-79.	1.2	116
5	Stabilizer-Free Metal Nanoparticles and Metal-Metal Oxide Nanocomposites with Long-Term Stability Prepared by Physical Vapor Deposition into Ionic Liquids. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2431-2435.	7.2	115
6	Synthesis, Structure, and Physico-Optical Properties of Manganate(II)-Based Ionic Liquids. <i>Chemistry - A European Journal</i> , 2010, 16, 3355-3365.	1.7	110
7	Facile preparation of quantum cutting GdF ₃ -Eu ³⁺ nanoparticles from ionic liquids. <i>Chemical Communications</i> , 2010, 46, 571-573.	2.2	109
8	The Noncoordinating Anion Tf ₂ N ⁻ Coordinates to Yb ²⁺ : A Structurally Characterized Tf ₂ N ⁻ Complex from the Ionic Liquid [mppy][Tf ₂ N]. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5485-5488.	7.2	104
9	Anhydrous Praseodymium Salts in the Ionic Liquid [bmpyr][Tf ₂ N]: Structural and Optical Properties of [bmpyr] ₄ [PrI ₆][Tf ₂ N] and [bmyr] ₂ [Pr(Tf ₂ N) ₅]. <i>Chemistry of Materials</i> , 2005, 17, 6230-6238.	3.2	103
10	Temperature-Driven Mixing-Demixing Behavior of Binary Mixtures of the Ionic Liquid Choline Bis(trifluoromethylsulfonyl)imide and Water. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1429-1437.	1.2	102
11	White-Light-Emitting Single Phosphors via Triply Doped LaF ₃ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12229-12238.	1.5	90
12	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.	1.5	83
13	Facile preparation of Ag/ZnO nanoparticles via photoreduction. <i>Journal of Materials Science</i> , 2009, 44, 3218-3222.	1.7	82
14	In-Situ Crystal Growth and Properties of the Magnetic Ionic Liquid [C ₂ mim][FeCl ₄]. <i>Crystal Growth and Design</i> , 2011, 11, 2564-2571.	1.4	80
15	A new class of double alkyl-substituted, liquid crystalline imidazolium ionic liquids—a unique combination of structural features, viscosity effects, and thermal properties. <i>Chemical Communications</i> , 2009, , 7405.	2.2	78
16	On the dissolution of non-metallic solid elements (sulfur, selenium, tellurium and phosphorus) in ionic liquids. <i>Chemical Communications</i> , 2010, 46, 716-718.	2.2	78
17	Stability and growth behavior of transition metal nanoparticles in ionic liquids prepared by thermal evaporation: how stable are they really?. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 7136.	1.3	76
18	Solidification of Ionic Liquids: Theory and Techniques. <i>Australian Journal of Chemistry</i> , 2010, 63, 544.	0.5	75

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19	Facile ultrasound-assisted synthesis of ZnO nanorods in an ionic liquid. <i>Materials Letters</i> , 2009, 63, 732-735.	1.3	74
20	Low-temperature route to metal titanate perovskite nanoparticles for photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , 2015, 178, 20-28.	10.8	74
21	Lanthanide Coordination Polymers with Tetrafluoroterephthalate as a Bridging Ligand: Thermal and Optical Properties. <i>Inorganic Chemistry</i> , 2012, 51, 4679-4688.	1.9	72
22	Imidazolium based ionic liquid crystals: structure, photophysical and thermal behaviour of [C _n mim]Br·xH ₂ O (n = 12, 14; x=0, 1). <i>Crystal Research and Technology</i> , 2008, 43, 1187-1196.	0.6	71
23	High-throughput Fabrication of Au-Cu Nanoparticle Libraries by Combinatorial Sputtering in Ionic Liquids. <i>Advanced Functional Materials</i> , 2014, 24, 2049-2056.	7.8	71
24	Rare earth metal-containing ionic liquids. <i>Coordination Chemistry Reviews</i> , 2018, 363, 1-16.	9.5	71
25	Ultrasound-assisted synthesis of mesoporous γ -Ni(OH) ₂ and NiO nano-sheets using ionic liquids. <i>Journal of Materials Chemistry</i> , 2012, 22, 18252.	6.7	69
26	Ionic liquids for the synthesis of metal nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 1152-1164.	0.7	68
27	Unusual Electronic and Bonding Properties of the Zintl Phase Ca ₅ Ge ₃ and Related Compounds. A Theoretical Analysis. <i>Journal of the American Chemical Society</i> , 2004, 126, 5277-5281.	6.6	66
28	Lone Pair Effect in Thallium(I) Macrocyclic Compounds. <i>Inorganic Chemistry</i> , 2005, 44, 6240-6243.	1.9	65
29	Homoleptic Alkaline Earth Metal Bis(trifluoromethanesulfonyl)imide Complex Compounds Obtained from an Ionic Liquid. <i>Inorganic Chemistry</i> , 2006, 45, 3249-3255.	1.9	65
30	Strong luminescence of rare earth compounds in ionic liquids: Luminescent properties of lanthanide(III) iodides in the ionic liquid 1-dodecyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide. <i>Journal of Alloys and Compounds</i> , 2006, 418, 204-208.	2.8	64
31	Europium(III) Fluoride Nanoparticles from Ionic Liquids: Structural, Morphological, and Luminescent Properties. <i>Crystal Growth and Design</i> , 2011, 11, 1040-1048.	1.4	63
32	Microwave-Assisted Synthesis of Perovskite SrSnO ₃ Nanocrystals in Ionic Liquids for Photocatalytic Applications. <i>Inorganic Chemistry</i> , 2017, 56, 6920-6932.	1.9	62
33	Luminescence properties of a family of lanthanide metal-organic frameworks. <i>Microporous and Mesoporous Materials</i> , 2019, 279, 400-406.	2.2	62
34	Dysprosium-Based Ionic Liquid Crystals: Thermal, Structural, Photo- and Magnetophysical Properties. <i>Crystal Growth and Design</i> , 2009, 9, 4429-4437.	1.4	57
35	Efficient quantum cutting in hexagonal NaGdF ₄ :Eu ³⁺ nanorods. <i>Journal of Materials Chemistry</i> , 2011, 21, 8640.	6.7	57
36	Bis-cationic ionic liquid crystals. <i>Journal of Materials Chemistry C</i> , 2014, 2, 458-473.	2.7	57

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37	Ionic Liquid-Assisted Sonochemical Preparation of CeO ₂ Nanoparticles for CO Oxidation. ACS Sustainable Chemistry and Engineering, 2015, 3, 42-54.	3.2	55
38	Cesiumauride Ammonia (1/1), CsAu·NH ₃ : A Crystalline Analogue to Alkali Metals Dissolved in Ammonia?. Angewandte Chemie - International Edition, 2002, 41, 120-124.	7.2	53
39	Luminescence properties of mechanochemically synthesized lanthanide containing MIL-78 MOFs. Dalton Transactions, 2018, 47, 7594-7601.	1.6	53
40	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. Journal of Materials Chemistry C, 2014, 2, 9439-9450.	2.7	49
41	Ionic liquids and deep eutectics as a transformative platform for the synthesis of nanomaterials. Chemical Communications, 2022, 58, 3865-3892.	2.2	49
42	Easy access to ultra long-time stable, luminescent europium(ii) fluoride nanoparticles in ionic liquids. Chemical Communications, 2010, 46, 4393.	2.2	48
43	Small nickel nanoparticle arrays from long chain imidazolium ionic liquids. Nanoscale, 2014, 6, 3367.	2.8	48
44	Mild yet phase-selective preparation of TiO ₂ nanoparticles from ionic liquids – a critical study. Nanoscale, 2013, 5, 8045.	2.8	47
45	(1-Butyl-4-methylpyridinium)[Cu(SCN) ₂]: A Coordination Polymer and Ionic Liquid. Chemistry - A European Journal, 2014, 20, 5338-5345.	1.7	47
46	Cluster-Type Basic Lanthanide Iodides [M ₆ (μ ₄ -O)(μ ₃ -OH) ₈ (H ₂ O) ₂₄]I ₈ (H ₂ O) ₈ (M = Nd, Eu, Tb, Dy). Inorganic Chemistry, 2006, 45, 5162-5166.	1.9	45
47	Crystal Engineering in Ionic Liquids. The Crystal Structures of [Mppyr] ₃ [NdI ₆] and [Bmpyr] ₄ [NdI ₆][Tf ₂ N]. Inorganic Chemistry, 2006, 45, 4874-4876.	1.9	45
48	The first homoleptic bis(trifluoromethanesulfonyl)amide complex compounds of trivalent f-elements. Dalton Transactions, 2006, , 1828.	1.6	43
49	Sonochemical Synthesis of 0D, 1D, and 2D Zinc Oxide Nanostructures in Ionic Liquids and Their Photocatalytic Activity. ChemSusChem, 2011, 4, 1796-1804.	3.6	43
50	Improving the zT value of thermoelectrics by nanostructuring: tuning the nanoparticle morphology of Sb ₂ Te ₃ by using ionic liquids. Dalton Transactions, 2017, 46, 656-668.	1.6	42
51	Ultrasound-Assisted Synthesis of CuO Nanorods in a Neat Room-Temperature Ionic Liquid. European Journal of Inorganic Chemistry, 2009, 2009, 2765-2768.	1.0	41
52	Structures, electronic properties and solid state luminescence of Cu(i) iodide complexes with 2,9-dimethyl-1,10-phenanthroline and aliphatic aminomethylphosphines or triphenylphosphine. Dalton Transactions, 2011, 40, 2459.	1.6	41
53	A Luminescent Ionic Liquid Crystal: [C ₁₂ mim] ₄ [EuBr ₆]Br. European Journal of Inorganic Chemistry, 2010, 2010, 2172-02177.	1.0	40
54	Ionic-Liquid-Assisted Microwave Synthesis of Solid Solutions of Sr _{1-x} Ba _x SnO ₃ Perovskite for Photocatalytic Applications. ChemSusChem, 2017, 10, 3387-3401.	3.6	40

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55	Base-Induced Disproportionation of Elemental Gold. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3066-3067.	7.2	39
56	On the Mesophase Formation of 1,3-Dialkylimidazolium Ionic Liquids. <i>Crystal Growth and Design</i> , 2013, 13, 3068-3077.	1.4	39
57	The quadrupole moment of the $3d^{2+}$ nuclear ground state of Au197 from electric field gradient relativistic coupled cluster and density-functional theory of small molecules and the solid state. <i>Journal of Chemical Physics</i> , 2005, 122, 124317.	1.2	37
58	The Octanuclear Europium Cluster [bmpyr] ₆ [Eu ₈ (μ_4 -O)(μ_3 -OH) ₁₂ (μ_2 -OTf) ₁₄ (μ_1 -Tf) ₂](HOTf) _{1.5} Obtained from the Ionic Liquid [bmpyr][OTf]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006, 632, 1956-1958.	0.6	37
59	Thallium Halides – New Aspects of the Stereochemical Activity of Electron Lone Pairs of Heavier Main-Group Elements. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 882-890.	1.0	37
60	Sonochemical preparation of TiO ₂ nanoparticles in the ionic liquid 1-(3-hydroxypropyl)-3-methylimidazolium-bis(trifluoromethylsulfonyl)amide. <i>Materials Chemistry and Physics</i> , 2010, 120, 109-113.	2.0	37
61	Mixed Valent Gold Oxides: Syntheses, Structures, and Properties of Rb ₅ Au ₃ O ₂ , Rb ₇ Au ₅ O ₂ , and Cs ₇ Au ₅ O ₂ . <i>Journal of Solid State Chemistry</i> , 2000, 155, 29-36.	1.4	36
62	Rare-Earth Iodides in Ionic Liquids: The Crystal Structure of [SEt ₃] ₃ [LnI ₆] (Ln = Nd, Sm). <i>Inorganic Chemistry</i> , 2005, 44, 8168-8169.	1.9	36
63	Rare-earth iodides in ionic liquids: Crystal structures of [bmpyr] ₄ [LnI ₆][Tf ₂ N] (Ln=La, Er). <i>Journal of Alloys and Compounds</i> , 2006, 418, 122-127.	2.8	36
64	Switchable Green and White Luminescence in Terbium-Based Ionic Liquid Crystals. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3207-3213.	1.0	36
65	Terbium Diketonate Based Highly Luminescent Soft Materials. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2769-2775.	1.0	35
66	Iodine – Iodine Bonding makes Tetra(diiodine)chloride, [Cl(μ_2) ₂ (μ_4) ⁺] ⁺ , Planar. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12732-12735.	7.2	35
67	Scrutinizing Design Principles toward Efficient, Long-Term Stable Green Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2017, 27, 1605588.	7.8	35
68	[Ni(tmen)(acac)][B(Ph) ₄] a probe for the anion basicity of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4005.	1.3	34
69	Reaching quantum yields $\approx 100\%$ in nanomaterials. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1862.	2.7	34
70	Highly Luminescent and Color-Tunable Salicylate Ionic Liquids. <i>Chemistry - A European Journal</i> , 2014, 20, 4704-4712.	1.7	33
71	Phase selective synthesis of quantum cutting nanophosphors and the observation of a spontaneous room temperature phase transition. <i>Nanoscale</i> , 2016, 8, 8160-8169.	2.8	32
72	The First Homoleptic Bis(trifluoromethanesulfonyl)amide Complex of Yttrium: [bmim][Y(Tf ₂ N) ₂] ₄ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 938-940.	0.6	31

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73	Mercuric Ionic Liquids: $[C_n\text{mim}][\text{HgX}_3]$, Where $n = 3, 4$ and $X = \text{Cl}, \text{Br}$. <i>Inorganic Chemistry</i> , 2012, 51, 193-200.	1.9	31
74	Record figure of merit values of highly stoichiometric Sb_2Te_3 porous bulk synthesized from tailor-made molecular precursors in ionic liquids. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10375-10380.	2.7	31
75	Ionic Liquids with Perfluorinated Alkoxyaluminates. <i>Inorganic Chemistry</i> , 2007, 46, 10938-10940.	1.9	30
76	Facile, environmentally friendly fabrication of porous silver monoliths using the ionic liquid N-(2-hydroxyethyl)ammonium formate. <i>Chemical Communications</i> , 2009, , 301-303.	2.2	30
77	Lanthanide Containing Ionic Liquid Crystals: EuBr_2 , SmBr_3 , TbBr_3 and DyBr_3 in $C_{12}\text{mimBr}$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 1726-1734.	0.6	30
78	Phosphate protected fluoride nano-phosphors. <i>Journal of Materials Chemistry</i> , 2012, 22, 9505.	6.7	30
79	Yttrium(iii) oxomolybdates(vi) as potential host materials for luminescence applications: an investigation of Eu^{3+} -doped $\text{Y}_2[\text{MoO}_4]_3$ and $\text{Y}_2[\text{MoO}_4]_2[\text{Mo}_2\text{O}_7]$. <i>New Journal of Chemistry</i> , 2013, 37, 1919.	1.4	30
80	New triazolium based ionic liquid crystals. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7976.	2.7	30
81	Cation-Poor Complex Metallic Alloys in $\text{Ba}(\text{Eu})\text{-Au-Al}(\text{Ga})$ Systems: Identifying the Keys that Control Structural Arrangements and Atom Distributions at the Atomic Level. <i>Inorganic Chemistry</i> , 2015, 54, 10296-10308.	1.9	30
82	Luminescent Soft Material: Two New Europium-Based Ionic Liquids. <i>Helvetica Chimica Acta</i> , 2009, 92, 2375-2386.	1.0	29
83	Magnetocaloric Behavior in Ternary Europium Indides EuT_5In : Probing the Design Capability of First-Principles-Based Methods on the Multifaceted Magnetic Materials. <i>Chemistry of Materials</i> , 2017, 29, 2599-2614.	3.2	29
84	Highly Luminescent Salts Containing Well-Shielded Lanthanide-Centered Complex Anions and Bulky Imidazolium Counteranions. <i>Inorganic Chemistry</i> , 2014, 53, 9027-9035.	1.9	28
85	Sustainable Urban Mining of Critical Elements from Magnet and Electronic Wastes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1455-1463.	3.2	28
86	Ionic Liquid-Based Synthesis: A Low-Temperature Route to Nanophosphates. <i>ChemSusChem</i> , 2011, 4, 595-598.	3.6	27
87	Gold Polar Intermetallics: Structural Versatility through Exclusive Bonding Motifs. <i>Accounts of Chemical Research</i> , 2017, 50, 2633-2641.	7.6	27
88	Praseodymium diiodide, PrI_2 , revisited by synthesis, structure determination and theory. <i>Journal of Alloys and Compounds</i> , 2004, 380, 211-218.	2.8	26
89	Structural and Electrochemical Properties of YbIII in Various Ionic Liquids. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4933-4937.	1.0	25
90	Melting point suppression in new lanthanoid(iii) ionic liquids by trapping of kinetic polymorphs: an in situ synchrotron powder diffraction study. <i>Chemical Communications</i> , 2012, 48, 124-126.	2.2	25

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91	Ionothermal Synthesis of the First Luminescent Open-Framework Manganese Borophosphate with Switchable Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3032-3038.	1.0	25
92	Lanthanoid-Based Ionic Liquids Incorporating the Dicyanonitrosomethanide Anion. <i>Chemistry - A European Journal</i> , 2012, 18, 9580-9589.	1.7	25
93	Synthesis of bimetallic nanoparticles in ionic liquids: Chemical routes vs physical vapor deposition. <i>Microelectronic Engineering</i> , 2013, 107, 229-232.	1.1	25
94	One-Pot Synthesis of Luminescent Polymer-Nanoparticle Composites from Task-Specific Ionic Liquids. <i>Advanced Functional Materials</i> , 2013, 23, 2924-2931.	7.8	25
95	A Systematic Study on the Mesomorphic Behavior of Asymmetrical 1-Alkyl-3-dodecylimidazolium Bromides. <i>Crystal Growth and Design</i> , 2014, 14, 1561-1571.	1.4	25
96	Triazolium based ionic liquid crystals: effect of asymmetric substitution. <i>RSC Advances</i> , 2015, 5, 16886-16896.	1.7	25
97	Sonochemical synthesis of highly luminescent Ln ₂ O ₃ :Eu ³⁺ (Y, La, Gd) nanocrystals. <i>Journal of Luminescence</i> , 2016, 169, 587-593.	1.5	25
98	Valence Compounds versus Metals. Synthesis, Characterization, and Electronic Structures of Cubic Ae ₄ Pn ₃ Phases in the Systems Ae = Ca, Sr, Ba, Eu; Pn = As, Sb, Bi. <i>Inorganic Chemistry</i> , 2003, 42, 6940-6945.	1.9	24
99	Structural and Thermal Behaviour of the Pyrrolidinium Based Ionic Liquid Crystals [C10mpyr]Br and [C12mpyr]Br. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 2214-2221.	0.6	24
100	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.	1.7	24
101	Antiferromagnetism in semiconducting SrMn_2Mn_2 and BaMn_2Mn_2 crystals. <i>Physical Review B</i> , 2018, 97, .		
102	Metallic alloys at the edge of complexity: structural aspects, chemical bonding and physical properties*. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 243002.	0.7	24
103	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, 8187-8196.	1.9	23
104	Optical basicity of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7056.	1.3	22
105	Quantum cutting in nanoparticles producing two green photons. <i>Chemical Communications</i> , 2014, 50, 13282-13284.	2.2	22
106	Ionothermal synthesis of open-framework metal phosphates with a Kagomé lattice network exhibiting canted anti-ferromagnetism. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7417.	2.7	22
107	Gd ₃ Ni ₂ and Gd ₃ Co _x Ni _{2-x} : magnetism and unexpected Co/Ni crystallographic ordering. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6078-6089.	2.7	22
108	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.	3.2	22

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109	The Prolific $\{Zr_6\}X_{12}R$ and $\{Zr_6\}X_{10}$ Structure Types with Isolated Endohedrally Stabilized (Z) Rare-Earth Metal (R) Cluster Halide (X) Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1922-1931.	0.6	21
110	A Roadmap to Uranium Ionic Liquids: Anti-Crystal Engineering. <i>Chemistry - A European Journal</i> , 2014, 20, 6482-6493.	1.7	21
111	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.	1.4	21
112	Azobenzene-Based Organic Salts with Ionic Liquid and Liquid Crystalline Properties. <i>Crystal Growth and Design</i> , 2015, 15, 4701-4712.	1.4	21
113	Crystal Structure and Bonding in $BaAu_5Ga_2$ and $AeAu_{4+x}Ga_3$ ($Ae = Ba$ and Eu): Hexagonal Diamond-Type Au Frameworks and Remarkable Cation/Anion Partitioning in the $AeAuGa$ Systems. <i>Inorganic Chemistry</i> , 2015, 54, 1010-1018.	1.9	21
114	Enhanced moments of Eu in single crystals of the metallic helical antiferromagnet $EuCo_2$. <i>Physical Review B</i> , 2018, 97, .	2.1	21
115	Interface-assisted ionothermal synthesis, phase tuning, surface modification and bioapplication of Ln^{3+} -doped $NaGdF_4$ nanocrystals. <i>Journal of Materials Chemistry B</i> , 2013, 1, 179-185.	2.9	20
116	Solution-Based Synthesis of $GeTe$ Octahedra at Low Temperature. <i>Inorganic Chemistry</i> , 2013, 52, 14326-14333.	1.9	20
117	Gold-rich $R_3Au_7Sn_3$: establishing the interdependence between electronic features and physical properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8311-8321.	2.7	20
118	Breaking the paradigm: record quindecim charged magnetic ionic liquids. <i>Materials Horizons</i> , 2017, 4, 217-221.	6.4	20
119	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.	3.2	20
120	Rationally designed rare earth separation by selective oxalate solubilization. <i>Chemical Communications</i> , 2020, 56, 11386-11389.	2.2	20
121	Efficient and Long Lived Green Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2020, 30, 1909809.	7.8	20
122	Optical Spectroscopy and Ionic Liquids. <i>Topics in Current Chemistry</i> , 2009, 290, 285-310.	4.0	19
123	Silica ionogels synthesized with imidazolium based ionic liquids in presence of supercritical CO_2 . <i>Journal of Supercritical Fluids</i> , 2015, 105, 60-65.	1.6	19
124	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.	2.7	19
125	Non-Fermi-liquid types of behavior associated with a magnetic quantum critical point in Sr_2 . <i>Physical Review B</i> , 2019, 100, .	2.0	19
126	Forcing Dicyanamide Coordination to f-Elements by Dissolution in Dicyanamide-Based Ionic Liquids. <i>Inorganic Chemistry</i> , 2020, 59, 7227-7237.	1.9	19

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127	Seven-Coordinate Ruthenium Atoms Sequestered in Praseodymium Clusters in the Chloride {RuPr ₃ }Cl ₃ . Inorganic Chemistry, 2008, 47, 7954-7956.	1.9	18
128	Gold in the Layered Structures of R ₃ Au ₇ Sn ₃ : From Relativity to Versatility. Crystal Growth and Design, 2016, 16, 5657-5668.	1.4	18
129	Ionic liquid assisted microwave synthesis route towards color-tunable luminescence of lanthanide-doped BiPO ₄ . Journal of Luminescence, 2016, 170, 641-647.	1.5	18
130	Green-yellow emitting hybrid light emitting electrochemical cell. Journal of Materials Chemistry C, 2017, 5, 12062-12068.	2.7	18
131	Design of LaPO ₄ :Nd ³⁺ materials by using ionic liquids. Optical Materials, 2017, 63, 76-87.	1.7	18
132	[Nd ₆ (μ -O)(μ -OH) ₈ (H ₂ O) ₂₄]I ₈ (H ₂ O) ₁₂ - the First Basic Rare Earth Iodide with an Oxygen-centred M ₆ X ₈ -Cluster Core. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 261-263.	0.6	17
133	Nanoparticle Synthesis in Ionic Liquids. ACS Symposium Series, 2010, , 177-188.	0.5	17
134	Eight-Coordinate Endohedral Rhenium, Osmium and Iridium Atoms in Rare-Earth Halide Cluster Complexes. European Journal of Inorganic Chemistry, 2010, 2010, 2613-2619.	1.0	17
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