

Karl KrÄömer

List of Publications by Year in descending order

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205
papers

7,816
citations

53660

45
h-index

58464

82
g-index

208
all docs

208
docs citations

208
times ranked

7650
citing authors

#	ARTICLE	IF	CITATIONS
1	Dipolar spin-waves and tunable band gap at the Dirac points in the 2D magnet ErBr ₃ . Communications Physics, 2022, 5, .	2.0	0
2	Bright constant color upconversion based on dual 980 and 1550 nm excitation of SrF ₂ :Yb ³⁺ , Er ³⁺ and ¹² -NaYF ₄ :Yb ³⁺ , Er ³⁺ micropowders – considerations for persistence of vision displays. Optical Materials, 2021, 111, 110598.	1.7	12
3	Formation of Defect-Dicubane-Type Ni ^{II} ₂ Ln ^{III} ₂ (Ln = Tb, Tj) TjErO ₄ 1 0.784314 rg	1.6	3
4	Magnetic order in the quasi-one-dimensional Ising system $RbCoCl_2$ Physical Review B, 2021, 103, .		
5	Bridgman Growth of Laser-Cooling-Grade LiLuF ₄ :Yb ³⁺ Single Crystals. Crystal Growth and Design, 2021, 21, 2142-2153.	1.4	9
6	Notes on thermometric artefacts by Er ³⁺ luminescence band interference. Journal of Luminescence, 2021, 232, 117860.	1.5	19
7	BaYF ₅ :Yb ³⁺ , Tm ³⁺ Upconverting Nanoparticles with Improved Population of the Visible and Near-Infrared Emitting States: Implications for Bioimaging. ACS Applied Nano Materials, 2021, 4, 5301-5308.	2.4	16
8	Photocatalytic Activity of Fibrous Ti/Ce Oxides Obtained by Hydrothermal Impregnation of Short Flax Fibers. Molecules, 2021, 26, 3399.	1.7	3
9	Optimized photoluminescence quantum yield in upconversion composites considering the scattering, inner-filter effects, thickness, self-absorption, and temperature. Scientific Reports, 2021, 11, 13910.	1.6	14
10	The role of Yb ²⁺ as a scintillation sensitiser in the near-infrared scintillator CsBa ₂ 15:Sm ²⁺ . Journal of Luminescence, 2021, 238, 118257.	1.5	13
11	Aggregation of a Giant Bean-like {Mn ₂ Dy ₆ } Heterometallic Oxo-Hydroxo-Carboxylate Nanosized Cluster from a Hexanuclear {Mn ₆ } Precursor. Crystal Growth and Design, 2020, 20, 33-38.	1.4	15
12	Crystal electric field excitations in the quantum spin liquid candidate $NaErS_2$ Physical Review B, 2020, 102, .		
13	Observation of plaquette fluctuations in the spin-1/2 honeycomb lattice. Npj Quantum Materials, 2020, 5, .	1.8	19
14	Formation of Tetranuclear Nickel(II) Complexes with Schiff-Bases: Crystal Structures and Magnetic Properties. Crystals, 2020, 10, 592.	1.0	7
15	Magnetic order and disorder in a quasi-two-dimensional quantum Heisenberg antiferromagnet with randomized exchange. Physical Review B, 2020, 102, .	1.1	3
16	Phonon density of states in lanthanide-based nanocrystals. Physical Review B, 2020, 102, .	1.1	6
17	Thermal Control of Spin Excitations in the Coupled Ising-Chain Material $RbCoCl_3$ Physical Review Letters, 2020, 124, 257201.	2.9	11
18	Synergistic Effect of Dielectric Barrier Discharge Plasma and TiO ₂ -Pillared Montmorillonite on the Degradation of Rhodamine B in an Aqueous Solution. Catalysts, 2020, 10, 359.	1.6	27

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19	speciation and energy-transfer dynamics in quantum-cutting Yb^{3+} -doped CaF_2 . <i>Physical Chemistry Letters</i> , 2019, 50, 1000-1004.	0.9	33
20	Critical Power Density: A Metric To Compare the Excitation Power Density Dependence of Photon Upconversion in Different Inorganic Host Materials. <i>Journal of Physical Chemistry A</i> , 2019, 123, 6799-6811.	1.1	26
21	Ion-molecular equilibria in lanthanide triiodide vapors and formation enthalpies of LnI_4^+ and Ln_2I_7^+ ions ($\text{Ln} = \text{La, Ce, Pr, Gd, Tb, Tm, and Lu}$). <i>International Journal of Mass Spectrometry</i> , 2019, 435, 188-194.	0.7	2
22	Field-induced anisotropy in the quasi-two-dimensional weakly anisotropic antiferromagnet $[\text{CuCl}(\text{pyz})_2]\text{BF}_4$. <i>Physical Review B</i> , 2019, 99, .	1.1	3
23	$\text{CsBa}_2\text{I}_5:\text{Eu}^{2+}, \text{Sm}^{2+}$ – The First High-Resolution Black Scintillator for I^3 Ray Spectroscopy. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1900158.	1.2	23
24	Upconversion luminescence in sub-10 nm $\text{NaGdF}_4:\text{Yb}^{3+}, \text{Er}^{3+}$ nanoparticles: an improved synthesis in anhydrous ionic liquids. <i>RSC Advances</i> , 2019, 9, 34784-34792.	1.7	6
25	Vacuum referred binding energies of the lanthanides in chloride, bromide, and iodide compounds. <i>Journal of Luminescence</i> , 2019, 208, 463-467.	1.5	14
26	Bridgman growth of LiYF_4 and LiLuF_4 crystals for radiation-balanced lasers. , 2019, , .		3
27	Hexanuclear Fe(III) wheels functionalized by amino-acetonitrile derivatives. <i>Solid State Sciences</i> , 2018, 78, 156-162.	1.5	3
28	Valence, exchange interaction, and location of Mn ions in polycrystalline Mn^{2+} doped CaF_2 . <i>Journal of Luminescence</i> , 2018, 200, 453-457.	1.1	2
29	Quasi-2D Heisenberg Antiferromagnets $[\text{CuX}(\text{pyz})_2](\text{BF}_4)$ with $\text{X} = \text{Cl}$ and Br . <i>Inorganic Chemistry</i> , 2018, 57, 4934-4943.	1.9	16
30	Peculiar radiopaque foreign body in the upper aerodigestive tract in a newborn corpse from the Indian Ocean. <i>Journal of Forensic Radiology and Imaging</i> , 2018, 12, 68-71.	1.2	1
31	Luminescence and energy transfer in $\text{NaGdF}_4:\text{Eu}^{3+}, \text{Er}^{3+}$ nanocrystalline samples from a room temperature synthesis. <i>New Journal of Chemistry</i> , 2018, 42, 237-245.	1.4	9
32	Quantum magnetism in molecular spin ladders probed with muon-spin spectroscopy. <i>New Journal of Physics</i> , 2018, 20, 103002.	1.2	12
33	Giant Pressure Dependence and Dimensionality Switching in a Metal-Organic Quantum Antiferromagnet. <i>Physical Review Letters</i> , 2018, 121, 117201.	2.9	14
34	A method for correcting the excitation power density dependence of upconversion emission due to laser-induced heating. <i>Optical Materials</i> , 2018, 82, 65-70.	1.7	23
35	Versatility of copper(II) coordination compounds with 2,3-bis(2-pyridyl)pyrazine mediated by temperature, solvents and anions choice. <i>Solid State Sciences</i> , 2018, 82, 1-12.	1.5	7
36	Upconversion solar cell measurements under real sunlight. <i>Optical Materials</i> , 2018, 84, 389-395.	1.7	51

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37	On the Border between Low-Nuclearity and One-Dimensional Solids: A Unique Interplay of 1,2,4-Triazolyl-Based $\{Cu^{II}_5(OH)_2\}$ Clusters and Mo^{VI} -Oxide Matrix. <i>Inorganic Chemistry</i> , 2018, 57, 6076-6083.	1.9	7
38	Observation of two types of fractional excitation in the Kitaev honeycomb magnet. <i>Nature Physics</i> , 2018, 14, 786-790.	6.5	120
39	Tetranuclear $\{Co^{II}_2Co^{III}_2\}$, Octanuclear $\{Co^{II}_4Co^{III}_4\}$, and Hexanuclear $\{Co^{III}_3Dy^{III}_3\}$ Pivalate Clusters: Synthesis, Magnetic Characterization, and Theoretical Modeling. <i>Inorganic Chemistry</i> , 2017, 56, 2662-2676.	1.9	24
40	Coordination behavior of 1-(3,2,6-tris(2,6-pyridin-4-yl)ferrocene: Structure and magnetic and electrochemical properties of a tetracopper dimetallomacrocyclic. <i>Polyhedron</i> , 2017, 129, 71-76.	1.0	9
41	Resonance in Er^{3+} upconversion excitation. <i>Journal of Luminescence</i> , 2017, 189, 78-83.	1.5	9
42	Room temperature synthesis of \hat{I}^2 - $NaGdF_4$: RE^{3+} ($RE = Eu, Er$) nanocrystallites and their luminescence. <i>Journal of Luminescence</i> , 2017, 189, 91-98.	1.5	15
43	Dinuclear Complexes Formed by Hydrogen Bonds: Synthesis, Structure and Magnetic and Electrochemical Properties. <i>Chemistry - A European Journal</i> , 2017, 23, 7104-7112.	1.7	5
44	Exploration of a Variety of Copper Molybdate Coordination Hybrids Based on a Flexible Bis(1,2,4-triazole) Ligand: A Look through the Composition-Space Diagram. <i>Inorganic Chemistry</i> , 2017, 56, 12952-12966.	1.9	15
45	Dimensional reduction by pressure in the magnetic framework material CuF_2 (pyz): From spin wave to spinon excitations. <i>Physical Review B</i> , 2017, 96, .	1.1	7
46	Bound States and Field-Polarized Haldane Modes in a Quantum Spin Ladder. <i>Physical Review Letters</i> , 2017, 118, 177202.	2.9	12
47	Low Temperature Phases of $Na_2 Ti_3 Cl_8$ Revisited. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 2063-2069.	0.6	8
48	Study of Molecular and Ionic Vapor Composition over Ce_3 by Knudsen Effusion Mass Spectrometry. <i>Journal of Spectroscopy</i> , 2016, 2016, 1-9.	0.6	5
49	Copper-pyrazine magnetic polymers under high pressure. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s88-s89.	0.0	0
50	New Insights in $4f^{12}5d^1$ Excited States of Tm^{2+} through Excited State Excitation Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2730-2734.	2.1	17
51	Phase diagram of diluted Ising ferromagnet $LiHo_{1-x}Y_xF_4$. <i>Physical Review B</i> , 2016, 94, .	1.1	2
52	Tripod USPIOs with high aspect ratio show enhanced T2 relaxation and cytocompatibility. <i>Nanomedicine</i> , 2016, 11, 1017-1030.	1.7	12
53	Modeling blue to UV upconversion in \hat{I}^2 - $NaYF_4:Tm^{3+}$. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27396-27404.	1.3	29
54	Six Flexible and Rigid $Co(II)$ Coordination Networks with Dicarboxylate and Nicotinamide-Like Ligands: Impact of Noncovalent Interactions in Retention of Dimethylformamide Solvent. <i>Crystal Growth and Design</i> , 2016, 16, 7011-7024.	1.4	14

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55	Synthesis, crystal structure, and properties of a $\hat{1}/4$ -oxo-trichromium(III) propionate cluster with pyrazole. <i>Journal of Coordination Chemistry</i> , 2016, 69, 72-80.	0.8	5
56	From pink to blue and back to pink again: changing the Co(II) ligation in a two-dimensional coordination network upon desolvation. <i>CrystEngComm</i> , 2016, 18, 384-389.	1.3	14
57	Composition Space Analysis in the Development of Copper Molybdate Hybrids Decorated by a Bifunctional Pyrazolyl/1,2,4-Triazole Ligand. <i>Inorganic Chemistry</i> , 2016, 55, 239-250.	1.9	26
58	Synthesis, Characterization, and Modeling of Magnetic Properties of a Hexanuclear Amino Alcohol-Supported $\{Co^{II}_2Co^{III}_2Dy^{III}_2\}$ Pivalate Cluster. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7435-7443.	1.5	11
59	Electron density analysis in quantum magnets. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s313-s313.	0.0	0
60	New antiferromagnets $[CuX(py)_2](BF_4)$ with X = Cl and Br. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s92-s92.	0.0	0
61	Extraction of exchange parameters in transition-metal perovskites. <i>Physical Review B</i> , 2015, 92, .	1.1	10
62	Neutron spectroscopic study of crystal-field excitations and the effect of the crystal field on dipolar magnetism in $LiR_3M_4F_{16}$ ($M = Fe, Co, Ni, Mn$). <i>Physical Review B</i> , 2015, 92, 075111.	1.1	10
63	A one-dimensional coordination polymer based on Cu_3 -oximate metallacrowns bridged by benzene-1,4-dicarboxylate ligands: structure and magnetic properties. <i>Dalton Transactions</i> , 2015, 44, 7896-7902.	1.6	21
64	Effects of Na^{+} and Mg^{2+} on the structure and magnetic properties of Ca^{2+} and Sr^{2+} doped $LiHo_0.5Er_0.5F_4$. <i>Physical Review B</i> , 2015, 92, 075111.	1.2	8
65	Exploring the Electronic Structure of an Organic Semiconductor Based on a Compactly Fused Electron Donor-Acceptor Molecule. <i>ChemPhysChem</i> , 2015, 16, 1361-1365.	1.0	8
66	Luminescence and spectroscopic properties of Sm^{2+} and Er^{3+} doped SrI_2 . <i>Journal of Luminescence</i> , 2015, 167, 347-351.	1.5	18
67	Enhanced energy conversion of up-conversion solar cells by the integration of compound parabolic concentrating optics. <i>Solar Energy Materials and Solar Cells</i> , 2015, 140, 217-223.	3.0	52
68	Simulating Energy Transfer and Upconversion in $\hat{1}/2-NaYF_4: Yb^{3+}, Tm^{3+}$. <i>Journal of Physical Chemistry C</i> , 2015, 119, 23648-23657.	1.5	72
69	Coordination-directed self-assembly of a simple benzothiadiazole-fused tetrathiafulvalene to low-bandgap metallo-organic frameworks. <i>Chemical Communications</i> , 2015, 51, 15063-15066.	2.2	31
70	Nonequilibrium hysteresis and spin relaxation in the mixed-anisotropy dipolar-coupled spin-glass $LiHo_0.5Er_0.5F_4$. <i>Physical Review B</i> , 2014, 90, .	1.1	3
71	Relation between Excitation Power Density and Er^{3+} Doping Yielding the Highest Absolute Upconversion Quantum Yield. <i>Journal of Physical Chemistry C</i> , 2014, 118, 30106-30114.	1.5	59
72	Propagation of defects in doped magnetic materials of different dimensionality. <i>Physical Review B</i> , 2014, 89, .	1.1	4

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73	Defect propagation in one-, two-, and three-dimensional compounds doped by magnetic atoms. <i>Physical Review B</i> , 2014, 90, .	1.1	3
74	Upconverter materials and upconversion solar-cell devices: simulation and characterization with broad solar spectrum illumination. , 2014, , .		1
75	Optical properties and defect structure of Sr ²⁺ co-doped LaBr ₃ :5%Ce scintillation crystals. <i>Journal of Luminescence</i> , 2014, 145, 518-524.	1.5	22
76	Optical and scintillation properties of CsBa ₂ 15:Eu ²⁺ . <i>Journal of Luminescence</i> , 2014, 145, 723-728.	1.5	70
77	Quantum and classical criticality in a dimerized quantum antiferromagnet. <i>Nature Physics</i> , 2014, 10, 373-379.	6.5	123
78	Upconverter Silicon Solar Cell Devices for Efficient Utilization of Sub-Band-Gap Photons Under Concentrated Solar Radiation. <i>IEEE Journal of Photovoltaics</i> , 2014, 4, 183-189.	1.5	48
79	Enhanced up-conversion for photovoltaics via concentrating integrated optics. <i>Optics Express</i> , 2014, 22, A452.	1.7	19
80	Magnetic entropy landscape and Gr ^{1/4} neisen parameter of a quantum spin ladder. <i>Physical Review B</i> , 2014, 89, .	1.1	27
81	Atomization Energies of LnX Molecules (Ln = Sm, Eu, and Yb; X = Cl, Br, and I). <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 4010-4014.	1.0	6
82	New magnetic frameworks of [(CuF ₂ (H ₂ O) ₂) _x (pyz)]. <i>Chemical Communications</i> , 2014, 50, 14504-14507.	2.2	18
83	A quinoxaline-fused tetrathiafulvalene derivative and its semiconducting charge-transfer salt: synthesis, crystal structures and physical properties. <i>New Journal of Chemistry</i> , 2014, 38, 2052-2057.	1.4	7
84	Mixed-ligand hydroxocopper(ii)/pyridazine clusters embedded into 3D framework lattices. <i>Dalton Transactions</i> , 2014, 43, 8530-8542.	1.6	17
85	The Metallofullerene Field-Induced Single-Ion Magnet HoSc ₂ N@C ₈₀ . <i>Chemistry - A European Journal</i> , 2014, 20, 13536-13540.	1.7	65
86	Interpenetrated (8,3)-c and (10,3)-b Metal-Organic Frameworks Based on {Fe ^{III} ₃ } and {Fe ^{III} ₂ Co ^{II} } Pivalate Spin Clusters. <i>Crystal Growth and Design</i> , 2014, 14, 4721-4728.	1.4	19
87	Triazolyl-Based Copper-Molybdate Hybrids: From Composition Space Diagram to Magnetism and Catalytic Performance. <i>Inorganic Chemistry</i> , 2014, 53, 10112-10121.	1.9	38
88	Tunneling, remanence, and frustration in dysprosium-based endohedral single-molecule magnets. <i>Physical Review B</i> , 2014, 89, .	1.1	91
89	Optical and scintillation properties of Sr ₁₂ :Yb ²⁺ . <i>Optical Materials</i> , 2014, 37, 382-386.	1.7	26
90	Tetracarboxylate Ligands as New Chelates Supporting Copper(II) Paddlewheel-Like Structures. <i>Inorganic Chemistry</i> , 2014, 53, 2683-2691.	1.9	12

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91	Upconversion quantum yield of Er ³⁺ -doped $\hat{\text{I}}^2\text{-NaYF}_4$ and Gd ₂ O ₂ S: The effects of host lattice, Er ³⁺ doping, and excitation spectrum bandwidth. <i>Journal of Luminescence</i> , 2014, 153, 281-287.	1.5	67
92	The coordination chemistry of tartronic acid with copper: magnetic studies of a quasi-equilateral tricopper triangle. <i>Dalton Transactions</i> , 2014, 43, 656-662.	1.6	13
93	Broadband photoluminescent quantum yield optimisation of Er ³⁺ -doped $\hat{\text{I}}^2\text{-NaYF}_4$ for upconversion in silicon solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2014, 128, 18-26.	3.0	64
94	Purification of NaYF ₄ -Based Upconversion Phosphors. <i>Chemistry of Materials</i> , 2014, 26, 2015-2020.	3.2	18
95	Bifacial n-type silicon solar cells for upconversion applications. <i>Solar Energy Materials and Solar Cells</i> , 2014, 128, 57-68.	3.0	48
96	Phase Transitions of YbBr ₂ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 3166-3171.	0.6	1
97	Unprecedented Trapping of Difluorooctamolybdate Anions within an $\hat{\text{I}}^\pm$ -Polonium Type Coordination Network. <i>Inorganic Chemistry</i> , 2013, 52, 8784-8794.	1.9	13
98	Optimizing infrared to near infrared upconversion quantum yield of $\hat{\text{I}}^2\text{-NaYF}_4\text{:Er}^{3+}$ in fluoropolymer matrix for photovoltaic devices. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	85
99	A Benzaldehyde Derivative as a Chelating Ligand: Helical Manganese(II) Coordination Polymers Assembling into a Porous Solid. <i>Crystal Growth and Design</i> , 2013, 13, 4138-4144.	1.4	2
100	Self-absorption in SrI ₂ :2%Eu ²⁺ between 78K and 600K. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 714, 13-16.	0.7	17
101	Improvement of LaBr ₃ :5%Ce scintillation properties by Li ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , Sr ²⁺ , and Ba ²⁺ co-doping. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	51
102	Functionalized Adamantane Tectons Used in the Design of Mixed-Ligand Copper(II) 1,2,4-Triazolyl/Carboxylate Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2013, 52, 863-872.	1.9	59
103	Extrapolated difference technique for the determination of atomization energies of Sm, Eu, and Yb bromides. <i>International Journal of Mass Spectrometry</i> , 2013, 348, 23-28.	0.7	4
104	50th anniversary of the Judd-Ofelt theory: An experimentalist's view of the formalism and its application. <i>Journal of Luminescence</i> , 2013, 136, 221-239.	1.5	319
105	Improvement of $\hat{\text{I}}^3$ -ray energy resolution of LaBr ₃ :Ce ³⁺ scintillation detectors by Sr ²⁺ and Ca ²⁺ co-doping. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	122
106	Highly Efficient IR to NIR Upconversion in Gd ₂ O ₂ S: Er ³⁺ for Photovoltaic Applications. <i>Chemistry of Materials</i> , 2013, 25, 1912-1921.	3.2	183
107	Knudsen effusion mass spectrometric determination of the complex vapor composition of samarium, europium, and ytterbium bromides. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1715-1722.	0.7	5
108	Spin ladders and quantum simulators for Tomonaga-Luttinger liquids. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 014004.	0.7	25

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109	Vapor Phase of Thermally Unstable Sm, Eu, Yb Bromides. ECS Transactions, 2013, 46, 173-186.	0.3	1
110	Phase diagram with an enhanced spin-glass region of the mixed Ising-XYmagnet $\text{LiHo}_x\text{Er}_{1-x}\text{F}_4$. Physical Review B, 2013, 88, .	1.1	8
111	Flame Synthesis of Complex Fluoride-Based Nanoparticles as Upconversion Phosphors. KONA Powder and Particle Journal, 2013, 30, 267-275.	0.9	6
112	Plasmon enhanced upconversion luminescence near gold nanoparticles—simulation and analysis of the interactions. Optics Express, 2012, 20, 271.	1.7	81
113	Increasing upconversion by metal and dielectric nanostructures. Proceedings of SPIE, 2012, , .	0.8	1
114	Increasing Upconversion by Plasmon Resonance in Metal Nanoparticles—A Combined Simulation Analysis. IEEE Journal of Photovoltaics, 2012, 2, 134-140.	1.5	20
115	$[\text{V}_{16}\text{O}_{38}(\text{CN})_9]^{9-}$: A Soluble Mixed-Valence Redox-Active Building Block with Strong Antiferromagnetic Coupling. Inorganic Chemistry, 2012, 51, 9192-9199.	1.9	55
116	Potential Oscillations in Galvanostatic Cu Electrodeposition: Antagonistic and Synergistic Effects among SPS, Chloride, and Suppressor Additives. Journal of Physical Chemistry C, 2012, 116, 6913-6924.	1.5	62
117	Ultra-high photoluminescent quantum yield of Er^{3+} in NaYF_4 : 10% Er^{3+} via broadband excitation of upconversion for photovoltaic devices. Optics Express, 2012, 20, A879.	1.7	76
118	Concepts to enhance the efficiency of upconversion for solar applications. , 2012, , .		1
119	Dipolar Antiferromagnetism and Quantum Criticality in LiErF_4 . Science, 2012, 336, 1416-1419.	6.0	42
120	Beyond interfacial anion/cation pairing: The role of Cu(I) coordination chemistry in additive-controlled copper plating. Electrochimica Acta, 2012, 83, 367-375.	2.6	59
121	Determination of the Work Function for Europium Dibromide by Knudsen Effusion Mass Spectrometry. Journal of Chemical & Engineering Data, 2012, 57, 436-438.	1.0	3
122	$(\text{C}_5\text{H}_{12}\text{N})\text{Cu}_2\text{Br}_3$: A Piperidinium Copper(I) Bromide with $[\text{Cu}_2\text{Br}_3]^{2-}$ Ladders. Crystals, 2012, 2, 1434-1440.	1.0	1
123	Synthesis, Structure, and Properties of the New Mixed-Valent Dodecahalogenotrimetallate $\text{In}_4\text{Ti}_3\text{Br}_{12}$ and its Relation to Compounds $\text{In}_3\text{Ti}_2\text{X}_9$ ($\text{X} = \text{K}, \text{In}$; $\text{X} = \text{Cl}, \text{Br}$). Inorganic Chemistry, 2012, 51, 8385-8393.	1.9	6
124	Use of NIR light and upconversion phosphors in light-curable polymers. Dental Materials, 2012, 28, 304-311.	1.6	76
125	Formation energies of molecules and anions of europium bromides. Russian Journal of Physical Chemistry A, 2012, 86, 548-552.	0.1	3
126	Scintillation Properties of and Self Absorption in ${}^{\text{Sr}}\text{Sr}_2\text{Eu}^{2+}$. IEEE Transactions on Nuclear Science, 2011, 58, 2519-2527.	1.2	76

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127	Single-ion versus two-ion anisotropy in magnetic compounds: A neutron scattering study. Physical Review B, 2011, 83, .	1.1	9
128	Direct Observation of Local Mn-Mn Distances in the Paramagnetic Compound CsMnMg Physical Review Letters, 2011, 107, 115502.	2.9	6
129	Composition of saturated vapor over Ytterbium bromides. Russian Journal of Physical Chemistry A, 2011, 85, 751-759.	0.1	2
130	Formation enthalpies of molecules and negative ions of ytterbium bromides. Russian Journal of Physical Chemistry A, 2011, 85, 922-925.	0.1	4
131	Two-dimensional coordination compounds based on Fe(II) and Co(III) hexacyanometallates with Cu(II)(dien) groups: Structures and magnetic properties. Inorganica Chimica Acta, 2011, 373, 100-106.	1.2	7
132	Au@Hg Nanoalloy Formation Through Direct Amalgamation: Structural, Spectroscopic, and Computational Evidence for Slow Nanoscale Diffusion. Advanced Functional Materials, 2011, 21, 3259-3267.	7.8	43
133	The magnetic structure of multiferroic BaMnF_4 . Journal of Physics Condensed Matter, 2011, 23, 266004.	0.7	12
134	$\hat{1}\pm$ -'NaLuF4': six-fold twinning with modulation and diffuse scattering. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C415-C416.	0.3	1
135	Thermodynamic parameters of vaporization of EuBr_2 . Russian Journal of Physical Chemistry A, 2010, 84, 554-560.	0.1	4
136	Scintillation properties and self absorption in Sr^{2+} and Eu^{2+} , 2010, .		6
137	Anisotropy of magnetic interactions in the spin-ladder compound $(\text{C}_5\text{H}_{12}\text{N})_2\text{CuBr}_4$. Physical Review B, 2010, 82, .	1.1	30
138	Magnetic and neutron spectroscopic properties of the tetrameric nickel compound $\text{Ni}_4(\text{C}_5\text{H}_{12}\text{N})_2\text{Br}_4$		

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