

Claus Feldmann

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L-index

#	Paper	IF	Citations
295	Inorganic Luminescent Materials: 100 Years of Research and Application. <i>Advanced Functional Materials</i> , 2003 , 13, 511-516	15.6	957
294	Nanoparticulate functional materials. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1362-95	16.4	567
293	Polyol-Mediated Preparation of Nanoscale Oxide Particles. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 359-362	16.4	368
292	Polyol-Mediated Synthesis of Nanoscale Functional Materials. <i>Advanced Functional Materials</i> , 2003 , 13, 101-107	15.6	361
291	Ionic liquids: new perspectives for inorganic synthesis?. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11050-60	16.4	257
290	MOF based luminescence tuning and chemical/physical sensing. <i>Microporous and Mesoporous Materials</i> , 2015 , 216, 171-199	5.3	249
289	Polyol synthesis of nanoparticles: status and options regarding metals, oxides, chalcogenides, and non-metal elements. <i>Green Chemistry</i> , 2015 , 17, 4107-4132	10	248
288	Microwave-assisted synthesis of luminescent LaPO ₄ :Ce,Tb nanocrystals in ionic liquids. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4864-7	16.4	208
287	Nanoscale SnO ₂ Hollow Spheres and Their Application as a Gas-Sensing Material. <i>Chemistry of Materials</i> , 2010 , 22, 4821-4827	9.6	174
286	Preparation of Nanoscale Pigment Particles. <i>Advanced Materials</i> , 2001 , 13, 1301	24	157
285	One-Pot Synthesis of Highly Conductive Indium Tin Oxide Nanocrystals. <i>Advanced Materials</i> , 2007 , 19, 2224-2227	24	146
284	Nanoscale gamma-AlO(OH) hollow spheres: synthesis and container-type functionality. <i>Nano Letters</i> , 2007 , 7, 3489-92	11.5	130
283	Polyol mediated synthesis of nanoscale MS particles (M = Zn, Cd, Hg). <i>Journal of Materials Chemistry</i> , 2001 , 11, 2603-2606		109
282	Quantum efficiency of down-conversion phosphor LiGdF ₄ :Eu. <i>Journal of Luminescence</i> , 2001 , 92, 245-254.8		107
281	Luminescence tuning of MOFs via ligand to metal and metal to metal energy transfer by co-doping of 2[Gd ₂ Cl ₆ (bipy) ₃][Zbipy with europium and terbium. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10179		101
280	Nanopartikel als Funktionsmaterialien. <i>Angewandte Chemie</i> , 2010 , 122, 1402-1437	3.6	95
279	Polyol-mediated synthesis of nanoscale CaF ₂ and CaF ₂ :Ce,Tb. <i>Small</i> , 2006 , 2, 1248-50	11	95

278	Sub-micrometer CoAl ₂ O ₄ pigment particles Synthesis and preparation of coatings. <i>Journal of Materials Chemistry</i> , 2000 , 10, 1311-1314		91
277	Luminescent cell-penetrating pentadecanuclear lanthanide clusters. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7454-7	16.4	90
276	[Ln(BH ₄) ₂ (THF) ₂] (Ln = Eu, Yb)--a highly luminescent material. Synthesis, properties, reactivity, and NMR studies. <i>Journal of the American Chemical Society</i> , 2012 , 134, 16983-6	16.4	86
275	Polyol-mediated synthesis of nanoscale functional materials. <i>Solid State Sciences</i> , 2005 , 7, 868-873	3.4	85
274	Anionic Gold in Cs ₃ AuO and Rb ₃ AuO Established by X-ray Absorption Spectroscopy. <i>Journal of the American Chemical Society</i> , 1995 , 117, 11749-11753	16.4	83
273	Microwave-assisted polyol synthesis of aluminium- and indium-doped ZnO nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2009 , 334, 29-36	9.3	82
272	[C ₄ MPyr] ₂ [Br ₂₀]: ionic-liquid-based synthesis of a three-dimensional polybromide network. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4970-3	16.4	81
271	Nanoparticulate vanadium oxide potentiated vanadium toxicity in human lung cells. <i>Environmental Science & Technology</i> , 2007 , 41, 331-6	10.3	74
270	The series of rare earth complexes [Ln ₂ Cl ₆ (4,4'-bipy)(py) ₆], Ln=Y, Pr, Nd, Sm-Yb: a molecular model system for luminescence properties in MOFs based on LnCl ₃ and 4,4'-bipyridine. <i>Chemistry - A European Journal</i> , 2013 , 19, 17369-78	4.8	70
269	Metal-organic framework luminescence in the yellow gap by codoping of the homoleptic imidazolate [Ba(Im) ₂] with divalent europium. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6896-902	16.4	66
268	Nanoscale gold hollow spheres through a microemulsion approach. <i>Small</i> , 2007 , 3, 1347-9	11	65
267	[(Ph) ₃ PBr][Br ₇], [(Bz)(Ph) ₃ P] ₂ [Br ₈], [(n-Bu) ₃ MeN] ₂ [Br ₂₀], [C ₄ MPyr] ₂ [Br ₂₀], and [(Ph) ₃ PCl] ₂ [Cl ₂ 114]: extending the horizon of polyhalides via synthesis in ionic liquids. <i>Inorganic Chemistry</i> , 2011 , 50, 11683-94	5.1	64
266	Ionische Flüssigkeiten [neue Perspektiven für die anorganische Synthesechemie?]. <i>Angewandte Chemie</i> , 2011 , 123, 11244-11255	3.6	63
265	Tin Tungstate Nanoparticles: A Photosensitizer for Photodynamic Tumor Therapy. <i>ACS Nano</i> , 2016 , 10, 3149-57	16.7	62
264	Nanoscale copper sulfide hollow spheres with phase-engineered composition: covellite (CuS), digenite (Cu _{1.8} S), chalcocite (Cu ₂ S). <i>Nanoscale</i> , 2011 , 3, 2544-51	7.7	61
263	The interaction of rare earth chlorides with 4,4'-bipyridine for the reversible formation of template based luminescent Ln-N-MOFs. <i>Dalton Transactions</i> , 2010 , 461-8	4.3	61
262	Tungsten oxide buffer layers fabricated in an inert sol-gel process at room-temperature for blue organic light-emitting diodes. <i>Advanced Materials</i> , 2013 , 25, 4113-6	24	56
261	Microemulsions: Options To Expand the Synthesis of Inorganic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15728-15752	16.4	54

- 260 Multifunctional phosphate-based inorganic-organic hybrid nanoparticles. *Journal of the American Chemical Society*, **2015**, 137, 7329-36 16.4 53
- 259 Transparent luminescent layers via ionic liquid-based approach to LaPO₄:RE (RE = Ce, Tb, Eu) dispersions. *Applied Physics A: Materials Science and Processing*, **2007**, 87, 631-636 2.6 53
- 258 {[P(o-tolyl)₃Br]₂[Cu₂Br₆](Br₂)}--an ionic compound containing molecular bromine. *Inorganic Chemistry*, **2008**, 47, 3084-7 5.1 52
- 257 CuBi₇I₁₉(C₄H₈O₃H)₃(C₄H₈O₃H₂), a novel complex bismuth iodide containing one-dimensional [CuBi₅I₁₉]³⁻ chains. *Inorganic Chemistry*, **2001**, 40, 818-9 5.1 51
- 256 Polyol-mediated low-temperature synthesis of crystalline tungstate nanoparticles MWO₄ (M = Mn, Fe, Co, Ni, Cu, Zn). *Solid State Sciences*, **2014**, 31, 62-69 3.4 50
- 255 Characterization of Noncrystalline Nanomaterials: NMR of Zinc Phosphate as a Case Study. *Chemistry of Materials*, **2008**, 20, 5787-5795 9.6 50
- 254 Structural investigation of aluminium doped ZnO nanoparticles by solid-state NMR spectroscopy. *Physical Chemistry Chemical Physics*, **2012**, 14, 11610-25 3.6 49
- 253 Homoleptic imidazolate frameworks [Sr(1-x)Eu(x)(Im)₂]-hybrid materials with efficient and tuneable luminescence. *Chemical Communications*, **2011**, 47, 496-8 5.8 49
- 252 Citrate-Capped Cu₁₁In₉ Nanoparticles and Its Use for Thin-Film Manufacturing of CIS Solar Cells. *Chemistry of Materials*, **2011**, 23, 5269-5274 9.6 48
- 251 Preparation and crystal structure of [Bi₃I(C₄H₈O₃H)₂(C₄H₈O₃H)₅]₂Bi₈I₃₀ containing the novel polynuclear [Bi₈I₃₀]⁶⁻ anion. *Journal of Solid State Chemistry*, **2003**, 172, 53-58 3.3 48
- 250 Microemulsion Approach to Non-Agglomerated and Crystalline Nanomaterials. *Advanced Functional Materials*, **2008**, 18, 1002-1011 15.6 47
- 249 Nonagglomerated, submicron Fe₂O₃ particles: Preparation and application. *Journal of Materials Research*, **2000**, 15, 2244-2248 2.5 46
- 248 Mechanism for energy transfer processes between Ce³⁺ and Tb³⁺ in LaPO₄:Ce,Tb nanocrystals by time-resolved luminescence spectroscopy. *Physica Status Solidi (B): Basic Research*, **2010**, 247, 2252-2257¹⁻³ 4.5
- 247 Microwave-assisted synthesis of indium tin oxide nanocrystals in polyol media and transparent, conductive layers thereof. *Thin Solid Films*, **2008**, 516, 7437-7442 2.2 45
- 246 Molybdenum oxide anode buffer layers for solution processed, blue phosphorescent small molecule organic light emitting diodes. *Organic Electronics*, **2013**, 14, 1820-1824 3.5 44
- 245 Two-color emission of Zn₂SiO₄:Mn from ionic liquid mediated synthesis. *Solid State Sciences*, **2009**, 11, 528-532 3.4 44
- 244 A blue luminescent MOF as a rapid turn-off/turn-on detector for H₂O, O₂ and CH₂Cl₂, MeCN: [Ce(Im)₃ImH]⁺ImH. *Dalton Transactions*, **2015**, 44, 4070-9 4.3 43
- 243 Bromine-rich Zinc Bromides: Zn₆Br₁₂(18-crown-6)₂(Br₂)₅, Zn₄Br₈(18-crown-6)₂(Br₂)₃, and Zn₆Br₁₂(18-crown-6)₂(Br₂)₂. *Inorganic Chemistry*, **2016**, 55, 6141-7 5.1 42

242	Study on the Defect Structure of SnO ₂ :F Nanoparticles by High-Resolution Solid-State NMR. <i>Chemistry of Materials</i> , 2011 , 23, 1526-1538	9.6	42
241	Microemulsion Approach to Nanocontainers and Its Variability in Composition and Filling. <i>Advanced Materials</i> , 2009 , 21, 1586-1590	24	42
240	Synthesis of Nanoscale Co ₃ [Co(CN) ₆] ₂ in Reverse Microemulsions. <i>Chemistry of Materials</i> , 2007 , 19, 3376-3380	9.3	42
239	Polyol-mediated C-dot formation showing efficient Tb ³⁺ /Eu ³⁺ emission. <i>Chemical Communications</i> , 2014 , 50, 7503-6	5.8	40
238	Microemulsion-based synthesis and luminescence of nanoparticulate CaWO ₄ , ZnWO ₄ , CaWO ₄ :Tb, and CaWO ₄ :Eu. <i>Journal of Materials Science</i> , 2012 , 47, 1427-1435	4.3	40
237	[C4MPyr] ₂ [Br ₂₀] ein dreidimensionales Polybromidnetzwerk durch Synthese in ionischen Flüssigkeiten. <i>Angewandte Chemie</i> , 2011 , 123, 5073-5077	3.6	39
236	[Bi ₃ Ga ₅ S] ₂ [Ga ₃ Cl ₁₀] ₂ [GaCl ₄] ₂ S ₈ containing heterocubane-type [Bi ₃ Ga ₅] ²⁺ , star-shaped [Ga ₃ Cl ₁₀] ⁻ , monomeric [GaCl ₄] ⁻ and crown-like S ₈ . <i>Dalton Transactions</i> , 2011 , 40, 452-6	4.3	39
235	Polyol-vermittelte Präparation nanoskaliger Oxidpartikel. <i>Angewandte Chemie</i> , 2001 , 113, 372-374	3.6	39
234	Exploiting Synergies in Catalysis and Gas Sensing using Noble Metal-Loaded Oxide Composites. <i>ChemCatChem</i> , 2018 , 10, 864-880	5.2	39
233	Targeted delivery of glucocorticoids to macrophages in a mouse model of multiple sclerosis using inorganic-organic hybrid nanoparticles. <i>Journal of Controlled Release</i> , 2017 , 245, 157-169	11.7	38
232	Sodium-Naphthalenide-Driven Synthesis of Base-Metal Nanoparticles and Follow-up Reactions. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9866-70	16.4	38
231	LaPO ₄ :Ce,Tb and YVO ₄ :Eu nanophosphors: Luminescence studies in the vacuum ultraviolet spectral range. <i>Journal of Applied Physics</i> , 2011 , 110, 053522	2.5	38
230	Polyol-Mediated Synthesis and Properties of Nanoscale Molybdates/Tungstates: Color, Luminescence, Catalysis. <i>Advanced Functional Materials</i> , 2011 , 21, 3037-3046	15.6	38
229	Polyol mediated synthesis of oxide particle suspensions and their application. <i>Scripta Materialia</i> , 2001 , 44, 2193-2196	5.6	38
228	Organic solar cells incorporating buffer layers from indium doped zinc oxide nanoparticles. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 579-585	6.4	37
227	Ein neues cis-[Bi ₃ I ₁₂] ³⁻ Anion in Tri(n-butyl)methylammonium Dodecaiodotribismutat. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 409-412	1.3	37
226	Zur Kenntnis Neuer ternärer Oxide mit anionischem Gold. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1995 , 621, 201-206	1.3	37
225	Au@Nb@H KNbO nanopeapods with near-infrared active plasmonic hot-electron injection for water splitting. <i>Nature Communications</i> , 2018 , 9, 232	17.4	36

224	MnBr ₂ /18-crown-6 coordination complexes showing high room temperature luminescence and quantum yield. <i>Dalton Transactions</i> , 2016 , 45, 6541-7	4.3	36
223	Tungsten nanoparticles from liquid-ammonia-based synthesis. <i>Chemical Communications</i> , 2014 , 50, 4547-50	5.8	36
222	Synthesis and characterization of nanoscaled BiPO and BiPO:Tb. <i>Journal of Materials Science</i> , 2009 , 44, 1412-1415	4.3	36
221	Cs ₃ AuO, the First Ternary Oxide with Anionic Gold. <i>Angewandte Chemie International Edition in English</i> , 1993 , 32, 1049-1050		36
220	Adhesion of Colloidal ZnO Particles on ZnS-Type Phosphor Surfaces. <i>Journal of Colloid and Interface Science</i> , 2000 , 223, 229-234	9.3	35
219	Nanoscale La(OH) ₃ hollow spheres and fine-tuning of its outer diameter and cavity size. <i>Small</i> , 2010 , 6, 1886-91	11	34
218	Bright luminescence in lanthanide coordination polymers with tetrafluoroterephthalate as a bridging ligand. <i>Dalton Transactions</i> , 2015 , 44, 6249-59	4.3	33
217	Local Structural Disorder and Relaxation in SnO ₂ Nanostructures Studied by ¹¹⁹ Sn MAS NMR and ¹¹⁹ Sn Mössbauer Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 6433-6437	3.8	33
216	Synthesis of faceted Bi ₂ WO ₄ microcrystals with enhanced visible-light photocatalytic properties. <i>Chemical Communications</i> , 2012 , 48, 7838-40	5.8	32
215	One-Pot Synthesis of InO Nanoparticles with Tuned Particle Size and High Oxidation Stability. <i>Chemistry of Materials</i> , 2011 , 23, 4982-4987	9.6	32
214	Ionic liquid based approach to nanoscale functional materials. <i>Solid State Sciences</i> , 2008 , 10, 461-465	3.4	32
213	cis-Sodium Hyponitrite: A New Preparative Route and a Crystal Structure Analysis. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 1728-1730		32
212	Microemulsion-based synthesis of nanoscaled silver hollow spheres and direct comparison with massive particles of similar size. <i>Nanoscale</i> , 2010 , 2, 2223-9	7.7	31
211	Luminescence of nano- and macrosized LaPO ₄ :Ce,Tb excited by synchrotron radiation. <i>Optical Materials</i> , 2011 , 33, 1102-1105	3.3	31
210	Nanoscale Hollow Spheres: Microemulsion-Based Synthesis, Structural Characterization and Container-Type Functionality. <i>Materials</i> , 2010 , 3, 4355-4386	3.5	30
209	Samarium Polystibides Derived from Highly Activated Nanoscale Antimony. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5912-5916	16.4	29
208	ZrO(HPO(4))(1-x)(FMN)(x): quick and easy synthesis of a nanoscale luminescent biomarker. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 632-7	16.4	29
207	Mikrowellen-unterstützte Synthese lumineszierender LaPO ₄ :Ce,Tb-Nanokristalle in ionischen Flüssigkeiten. <i>Angewandte Chemie</i> , 2006 , 118, 4982-4986	3.6	29

206	Tunable Emission in Heteroepitaxial Ln-SURMOFs. <i>Advanced Functional Materials</i> , 2019 , 29, 1903086	15.6	28
205	Ionic liquid-based synthesis of luminescent YVO ₄ :Eu and YVO ₄ :Eu@YF ₃ nanocrystals. <i>Journal of Materials Science</i> , 2009 , 44, 3936-3942	4.3	28
204	Zur kristallchemischen Ähnlichkeit von Aurid- und Halogenid-Ionen. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1995 , 621, 1907-1912	1.3	28
203	Gradual anionic character of gold in ternary perovskite type oxides. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 1045		28
202	Ammonia-in-oil-microemulsions and their application. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12443-7	16.4	27
201	Nanoscale Ag ₂ S Hollow Spheres and Ag ₂ S Nanodiscs Assembled to Three-Dimensional Nanoparticle Superlattices. <i>Chemistry of Materials</i> , 2013 , 25, 4173-4180	9.6	26
200	Porous ZnO platelets via controlled thermal decomposition of zinc glycerolate. <i>Journal of Alloys and Compounds</i> , 2012 , 513, 125-129	5.7	26
199	Isoniazid@Fe ₂ O ₃ Nanocontainers and Their Antibacterial Effect on Tuberculosis Mycobacteria. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12597-601	16.4	25
198	Multimodal [GdO] ₃ +[ICG] ₃ Nanoparticles for Optical, Photoacoustic, and Magnetic Resonance Imaging. <i>Chemistry of Materials</i> , 2017 , 29, 3547-3554	9.6	24
197	Ionic-Liquid-Based Synthesis of the Bromine-Rich Bromidoplatinates [NBu ₃ Me] ₂ [Pt ₂ Br ₁₀](Br ₂) ₂ and [NBu ₃ Me] ₂ [Pt ₂ Br ₁₀](Br ₂) ₃ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 275-279	1.3	23
196	BiVO ₄ Photocatalyst with Controlled Morphological Transition of Cubes to Spikecubes. <i>ACS Catalysis</i> , 2016 , 6, 2357-2367	13.1	23
195	Loading of ionic compounds into metal-organic frameworks: a joint theoretical and experimental study for the case of La ³⁺ . <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 17918-23	3.6	23
194	Comparing the luminescence processes of YVO ₄ :Eu and core-shell YVO ₄ @YF ₃ nanocrystals with bulk-YVO ₄ :Eu. <i>Physica B: Condensed Matter</i> , 2017 , 504, 80-85	2.8	23
193	Phase-transfer assisted synthesis of BiOI nanoplatelets, quantum-confined color and selective modification of surface conditioning. <i>Solid State Sciences</i> , 2011 , 13, 1017-1021	3.4	23
192	Cu ₂ X(OH) ₃ (X = Cl, NO ₃) synthesis of nanoparticles and its application for room temperature deposition/printing of conductive copper thin-films. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7694		23
191	Polyol-mediated synthesis of nanoscale Mg(OH) ₂ and MgO. <i>Journal of Materials Science</i> , 2007 , 42, 7076-7080	4.9	23
190	Ionic Liquid Based Approach to Luminescent LaPO ₄ :Ce,Tb Nanocrystals: Synthesis, Characterization and Application. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 873-877	2.3	23
189	Ti(O) nanoparticles via lithium-naphthalenide-driven reduction. <i>Chemical Communications</i> , 2016 , 52, 6316-6318	5.8	23

188	Recyclable cobalt(0) nanoparticle catalysts for hydrogenations. <i>Catalysis Science and Technology</i> , 2018 , 8, 2648-2653	5.5	22
187	Pd@SnO ₂ and SnO ₂ @Pd Core@Shell Nanocomposite Sensors. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 591-596	3.1	22
186	Nanoscale Sn ₁₈ WO ₄ Sn ₄ a highly efficient photocatalyst for daylight-driven degradation of organic dyes and its real green synthesis. <i>Applied Catalysis B: Environmental</i> , 2011 , 102, 515-520	21.8	22
185	Sn ₃ 18 x 2 (18-crown-6): a mixed-valent tin-crown-ether complex. <i>Inorganic Chemistry</i> , 2009 , 48, 3153-6	5.1	21
184	Polyol mediated synthesis of sub-micrometer Bi ₂ O ₃ particles. <i>Journal of Materials Science</i> , 2001 , 36, 297-299	4.3	21
183	Samarium Polyarsenides Derived from Nanoscale Arsenic. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4386-4389	16.4	21
182	Easy access to Cu ₀ nanoparticles and porous copper electrodes with high oxidation stability and high conductivity. <i>Journal of Materials Chemistry</i> , 2012 , 22, 987-993		20
181	p-DSSCs with BiOCl and BiOBr semiconductor and polybromide electrolyte. <i>Solid State Sciences</i> , 2013 , 19, 172-177	3.4	19
180	Advanced bimetallic InCu/Ag/Au nanostructures via microemulsion-based reaction. <i>RSC Advances</i> , 2012 , 2, 9473	3.7	19
179	Microemulsion-based synthesis of nanoscale TiO ₂ hollow spheres. <i>Solid State Sciences</i> , 2011 , 13, 1505-1509	3.4	19
178	Adhesion of Colloidal SiO ₂ Particles on ZnS-Type Phosphor Surfaces. <i>Journal of Colloid and Interface Science</i> , 2000 , 228, 121-126	9.3	19
177	Gd ³⁺ [AlPCS ₄] ₃₄ Nanoagent Generating ¹ O ₂ for Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2018 , 28, 1801074	15.6	19
176	Bimetallic Nickel-Iridium and Nickel-Osmium Alloy Nanoparticles and Their Catalytic Performance in Hydrogenation Reactions. <i>ChemCatChem</i> , 2017 , 9, 3534-3543	5.2	18
175	Unexpected Fluorescence of Polyols and PEGylated Nanoparticles Derived from Carbon Dot Formation. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 467-475	3.1	18
174	Intensely Photoluminescent Diamidophosphines of the Alkaline-Earth Metals, Aluminum, and Zinc. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14265-14269	16.4	18
173	Photoluminescent One-Dimensional Coordination Polymers from Suitable Pyridine Antenna and LnCl ₃ for Visible and Near-IR Emission. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 826-836	2.3	17
172	Microwave-assisted ionic-liquid-based synthesis of highly crystalline CaMoO ₄ :RE ³⁺ (RE = Tb, Sm, Eu) and Y ₂ Mo ₄ O ₁₅ :Eu ³⁺ nanoparticles. <i>Solid State Sciences</i> , 2015 , 41, 56-62	3.4	17
171	Multilayered core-shell structure of polyol-stabilized calcium fluoride nanoparticles characterized by NMR. <i>Journal of Colloid and Interface Science</i> , 2013 , 390, 250-7	9.3	17

- 170 Preparation of sub-micrometer LnPO₄ particles (Ln = La, Ce). *Journal of Materials Science*, **2002**, 37, 3251-3254 17
- 169 18-Crown-6 Coordinated Metal Halides with Bright Luminescence and Nonlinear Optical Effects. *Journal of the American Chemical Society*, **2021**, 143, 798-804 16.4 17
- 168 Sodium-Naphthalenide-Driven Synthesis of Base-Metal Nanoparticles and Follow-up Reactions. *Angewandte Chemie*, **2015**, 127, 10004-10008 3.6 16
- 167 ZnO nanocontainers: structural study and controlled release. *Journal of Materials Chemistry*, **2012**, 22, 14551 16
- 166 In₀ Nanoparticle Synthesis Assisted by Phase-Transfer Reaction. *Chemistry of Materials*, **2009**, 21, 771-774 16
- 165 Reversible photochromic effect and electrochemical voltage driven by light-induced Bi⁰-formation. *Journal of Materials Chemistry*, **2009**, 19, 8107 16
- 164 Therapeutic Fluorescent Hybrid Nanoparticles for Traceable Delivery of Glucocorticoids to Inflammatory Sites. *Theranostics*, **2018**, 8, 6367-6383 12.1 16
- 163 Colloidally stable selenium@copper selenide core@shell nanoparticles as selenium source for manufacturing of copper-indium-selenide solar cells. *Journal of Colloid and Interface Science*, **2014**, 415, 103-110 9.3 15
- 162 Zur Kenntnis von cis-Natriumhyponitrit. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **1997**, 623, 1803-1809 1.3 15
- 161 Energy transfer of the quantum-cutter couple Pr³⁺/Mn²⁺ in CaF₂:Pr³⁺, Mn²⁺ nanoparticles. *Journal of Luminescence*, **2016**, 179, 555-561 3.8 15
- 160 Sorption and separation of CO₂ via nanoscale AlO(OH) hollow spheres. *Chemical Communications*, **2012**, 48, 844-6 5.8 14
- 159 [{Fe(CO)₃}₄{SnI₆}₄]²⁻: the first bimetallic adamantane-like cluster. *Chemistry - A European Journal*, **2012**, 18, 13600-4 4.8 14
- 158 Selective synthesis of Ba and SrHPO₄ nanoparticles. *Journal of Materials Science*, **2008**, 43, 5504-5507 4.3 14
- 157 [(Pb₆I₈){Mn(CO)₅}₆]⁽²⁻⁾: an octahedral (M₆X₈)-like cluster with inverted bonding. *Inorganic Chemistry*, **2015**, 54, 3989-94 5.1 13
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