

Claus Feldmann

List of Publications by Year in descending order

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291
papers

11,090
citations

41344

49
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94
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346
all docs

346
docs citations

346
times ranked

13021
citing authors

#	ARTICLE	IF	CITATIONS
1	Inorganic Luminescent Materials: 100 Years of Research and Application. <i>Advanced Functional Materials</i> , 2003, 13, 511-516.	14.9	1,045
2	Nanoparticulate Functional Materials. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1362-1395.	13.8	631
3	Polyol-Mediated Preparation of Nanoscale Oxide Particles. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 359-362.	13.8	400
4	Polyol-Mediated Synthesis of Nanoscale Functional Materials. <i>Advanced Functional Materials</i> , 2003, 13, 101-107.	14.9	383
5	Polyol synthesis of nanoparticles: status and options regarding metals, oxides, chalcogenides, and non-metal elements. <i>Green Chemistry</i> , 2015, 17, 4107-4132.	9.0	324
6	MOF based luminescence tuning and chemical/physical sensing. <i>Microporous and Mesoporous Materials</i> , 2015, 216, 171-199.	4.4	303
7	Ionic Liquids: New Perspectives for Inorganic Synthesis?. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11050-11060.	13.8	284
8	Microwave-Assisted Synthesis of Luminescent LaPO ₄ :Ce,Tb Nanocrystals in Ionic Liquids. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4864-4867.	13.8	215
9	Nanoscale SnO ₂ Hollow Spheres and Their Application as a Gas-Sensing Material. <i>Chemistry of Materials</i> , 2010, 22, 4821-4827.	6.7	184
10	Preparation of Nanoscale Pigment Particles. <i>Advanced Materials</i> , 2001, 13, 1301.	21.0	176
11	One-Pot Synthesis of Highly Conductive Indium Tin Oxide Nanocrystals. <i>Advanced Materials</i> , 2007, 19, 2224-2227.	21.0	161
12	Nanoscale γ -AlO(OH) Hollow Spheres: Synthesis and Container-Type Functionality. <i>Nano Letters</i> , 2007, 7, 3489-3492.	9.1	134
13	Polyol mediated synthesis of nanoscale MS particles (M = Zn, Cd, Hg). <i>Journal of Materials Chemistry</i> , 2001, 11, 2603-2606.	6.7	117
14	Quantum efficiency of down-conversion phosphor LiGdF ₄ :Eu. <i>Journal of Luminescence</i> , 2001, 92, 245-254.	3.1	115
15	Luminescent Cell-Penetrating Pentadecanuclear Lanthanide Clusters. <i>Journal of the American Chemical Society</i> , 2013, 135, 7454-7457.	13.7	110
16	Luminescence tuning of MOFs via ligand to metal and metal to metal energy transfer by co-doping of $[Gd_2Cl_6(bipy)_3]^{2+}$ with europium and terbium. <i>Journal of Materials Chemistry</i> , 2012, 22, 10179.	6.7	105
17	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.	13.7	104
18	Sub-micrometer CoAl ₂ O ₄ pigment particles synthesis and preparation of coatings. <i>Journal of Materials Chemistry</i> , 2000, 10, 1311-1314.	6.7	102

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19	Polyol-Mediated Synthesis of Nanoscale CaF ₂ and CaF ₂ :Ce,Tb. <i>Small</i> , 2006, 2, 1248-1250.	10.0	97
20	[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, 16983-16986.	13.7	97
21	Polyol-mediated synthesis of nanoscale functional materials. <i>Solid State Sciences</i> , 2005, 7, 868-873.	3.2	96
22	Nanoparticulate Vanadium Oxide Potentiated Vanadium Toxicity in Human Lung Cells. <i>Environmental Science & Technology</i> , 2007, 41, 331-336.	10.0	92
23	Microwave-assisted polyol synthesis of aluminium- and indium-doped ZnO nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2009, 334, 29-36.	9.4	89
24	[C ₄ MPyr] ₂ [Br ₂₀]: Ionic-Liquid-Based Synthesis of a Three-Dimensional Polybromide Network. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4970-4973.	13.8	87
25	Microemulsions: Options To Expand the Synthesis of Inorganic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15728-15752.	13.8	78
26	Metal-Organic Framework Luminescence in the Yellow Gap by Codoping of the Homoleptic Imidazolate ³ [Ba(lm) ₂] with Divalent Europium. <i>Journal of the American Chemical Society</i> , 2013, 135, 6896-6902.	13.7	76
27	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, 17369-17378.	3.3	76
28	Tin Tungstate Nanoparticles: A Photosensitizer for Photodynamic Tumor Therapy. <i>ACS Nano</i> , 2016, 10, 3149-3157.	14.6	74
29	[(Ph) ₃ PBr] ₇ , [(Bz)(Ph) ₃ P] ₂ [Br ₈], [(<i>n</i> -Bu) ₃ MeN] ₂ [Br ₂₀], [C ₄ MPyr] ₂ [Br ₂₀], and [(Ph) ₃ PCl] ₂ [Cl ₂] ₁₄]: Extending the Horizon of Polyhalides via Synthesis in Ionic Liquids. <i>Inorganic Chemistry</i> , 2011, 50, 11683-11694.	4.0	72
30	Multifunctional Phosphate-Based Inorganic-Organic Hybrid Nanoparticles. <i>Journal of the American Chemical Society</i> , 2015, 137, 7329-7336.	13.7	71
31	Nanoscale Gold Hollow Spheres Through a Microemulsion Approach. <i>Small</i> , 2007, 3, 1347-1349.	10.0	67
32	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.	5.6	67
33	Polyol-mediated low-temperature synthesis of crystalline tungstate nanoparticles MWO ₄ (M=Mn, Fe.) <i>Tj ETQq1 1 0.784314 rgBT / Ov</i>	3.2	65
34	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, 39, 461-468.	3.3	64
35	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, 4113-4116.	21.0	64
36	Structural investigation of aluminium doped ZnO nanoparticles by solid-state NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11610.	2.8	60

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37	Transparent luminescent layers via ionic liquid-based approach to LaPO ₄ :RE (RE = Ce, Tb, Eu) dispersions. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 87, 631-636.	2.3	58
38	{[P(o-tolyl) ₃ Br] ₂ [Cu ₂ Br ₆](Br ₂) ⁿ }] ⁿ An Ionic Compound Containing Molecular Bromine. <i>Inorganic Chemistry</i> , 2008, 47, 3084-3087.	4.0	55
39	Au@Nb@H x K1-xNbO ₃ nanopeapods with near-infrared active plasmonic hot-electron injection for water splitting. <i>Nature Communications</i> , 2018, 9, 232.	12.8	55
40	CuBi ₇ I ₁₉ (C ₄ H ₈ O ₃ H) ₃ (C ₄ H ₈ O ₃ H ₂), a Novel Complex Bismuth Iodide Containing One-Dimensional [CuBi ₅ I ₁₉] ₃ - Chains. <i>Inorganic Chemistry</i> , 2001, 40, 818-819.	4.0	54
41	Characterization of Noncrystalline Nanomaterials: NMR of Zinc Phosphate as a Case Study. <i>Chemistry of Materials</i> , 2008, 20, 5787-5795.	6.7	54
42	Citrate-Capped Cu ₁₁ In ₉ Nanoparticles and Its Use for Thin-Film Manufacturing of CIS Solar Cells. <i>Chemistry of Materials</i> , 2011, 23, 5269-5274.	6.7	54
43	Preparation and crystal structure of [Bi ₃ (C ₄ H ₈ O ₃ H ₂) ₂ (C ₄ H ₈ O ₃ H) ₅] ₂ Bi ₈ I ₃₀ containing the novel polynuclear [Bi ₈ I ₃₀] ⁶⁻ anion. <i>Journal of Solid State Chemistry</i> , 2003, 172, 53-58.	2.9	53
44	Homoleptic imidazolate frameworks 3 ⁿ [Sr _x Eu _x (Im) ₂] ⁿ hybrid materials with efficient and tuneable luminescence. <i>Chemical Communications</i> , 2011, 47, 496-498.	4.1	53
45	Nonagglomerated, submicron Fe ₂ O ₃ particles: Preparation and application. <i>Journal of Materials Research</i> , 2000, 15, 2244-2248.	2.6	52
46	Mechanism for energy transfer processes between Ce ³⁺ and Tb ³⁺ in LaPO ₄ :Ce,Tb nanocrystals by time-resolved luminescence spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2252-2257.	1.5	52
47	Sodium-Naphthalenide-Driven Synthesis of Base-Metal Nanoparticles and Follow-up Reactions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9866-9870.	13.8	51
48	A blue luminescent MOF as a rapid turn-off/turn-on detector for H ₂ O, O ₂ and CH ₂ Cl ₂ , MeCN: 3 ⁿ [Ce(Im) ₃ ImH] ⁿ . <i>Dalton Transactions</i> , 2015, 44, 4070-4079.	3.3	51
49	Microemulsion Approach to Non-Agglomerated and Crystalline Nanomaterials. <i>Advanced Functional Materials</i> , 2008, 18, 1002-1011.	14.9	50
50	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.	3.7	50
51	Exploiting Synergies in Catalysis and Gas Sensing using Noble Metal-Loaded Oxide Composites. <i>ChemCatChem</i> , 2018, 10, 864-880.	3.7	50
52	Polyol-mediated C-dot formation showing efficient Tb ³⁺ /Eu ³⁺ emission. <i>Chemical Communications</i> , 2014, 50, 7503-7506.	4.1	49
53	Bromine-rich Zinc Bromides: Zn ₆ Br ₁₂ (18-crown-6) ₂ ·(Br) ₂ ₅ , Zn ₄ Br ₈ (18-crown-6) ₂ ·(Br) ₂ ₃ , and Zn ₆ Br ₁₂ (18-crown-6) ₂ ·(Br) ₂ ₂ . <i>Inorganic Chemistry</i> , 2016, 55, 6141-6147.	4.0	49
54	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.	9.9	49

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55	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	48
56	Microwave-assisted synthesis of indium tin oxide nanocrystals in polyol media and transparent, conductive layers thereof. <i>Thin Solid Films</i> , 2008, 516, 7437-7442.	1.8	47
57	Two-color emission of Zn ₂ SiO ₄ :Mn from ionic liquid mediated synthesis. <i>Solid State Sciences</i> , 2009, 11, 528-532.	3.2	47
58	Molybdenum oxide anode buffer layers for solution processed, blue phosphorescent small molecule organic light emitting diodes. <i>Organic Electronics</i> , 2013, 14, 1820-1824.	2.6	47
59	Microemulsion Approach to Nanocontainers and Its Variability in Composition and Filling. <i>Advanced Materials</i> , 2009, 21, 1586-1590.	21.0	46
60	MnBr ₂ /18-crown-6 coordination complexes showing high room temperature luminescence and quantum yield. <i>Dalton Transactions</i> , 2016, 45, 6541-6547.	3.3	46
61	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.	6.7	45
62	Synthesis of Nanoscale Co ₃ [Co(CN) ₆] ₂ in Reverse Microemulsions. <i>Chemistry of Materials</i> , 2007, 19, 3376-3380.	6.7	44
63	Luminescent nanomaterials. <i>Nanoscale</i> , 2011, 3, 1947.	5.6	44
64	Organic solar cells incorporating buffer layers from indium doped zinc oxide nanoparticles. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 579-585.	6.2	44
65	18-Crown-6 Coordinated Metal Halides with Bright Luminescence and Nonlinear Optical Effects. <i>Journal of the American Chemical Society</i> , 2021, 143, 798-804.	13.7	44
66	Cs ₃ AuO, the First Ternary Oxide with Anionic Gold. <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 1049-1050.	4.4	43
67	Polyol-Mediated Synthesis and Properties of Nanoscale Molybdates/Tungstates: Color, Luminescence, Catalysis. <i>Advanced Functional Materials</i> , 2011, 21, 3037-3046.	14.9	43
68	Samarium Polystibides Derived from Highly Activated Nanoscale Antimony. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5912-5916.	13.8	43
69	Zur Kenntnis Neuer ternäre Oxide mit anionischem Gold. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1995, 621, 201-206.	1.2	42
70	Polyol mediated synthesis of oxide particle suspensions and their application. <i>Scripta Materialia</i> , 2001, 44, 2193-2196.	5.2	42
71	[Bi ₃ GaS ₅] ₂ [Ga ₃ Cl ₁₀] ₂ [GaCl ₄] ₂ heterocubane-type [Bi ₃ GaS ₅] ²⁺ , star-shaped [Ga ₃ Cl ₁₀] ²⁻ , monomeric [GaCl ₄] ⁻ and crown-like S ₈ . <i>Dalton Transactions</i> , 2011, 40, 452-456.	3.3	42
72	Ein neues [Bi ₃ I ₁₂] ³⁻ -Anion in Tri(n-butyl)methylammonium Dodecaiodotribismutat. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006, 632, 409-412.	1.2	41

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73	Tungsten nanoparticles from liquid-ammonia-based synthesis. <i>Chemical Communications</i> , 2014, 50, 4547.	4.1	41
74	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.	3.1	40
75	Tunable Emission in Heteroepitaxial Ln-SURMOFs. <i>Advanced Functional Materials</i> , 2019, 29, 1903086.	14.9	40
76	Zur kristallchemischen $\frac{1}{2}$ Ähnlichkeit von Aurid- und Halogenid-Ionen. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1995, 621, 1907-1912.	1.2	39
77	Luminescence of nano- and macrosized LaPO ₄ :Ce,Tb excited by synchrotron radiation. <i>Optical Materials</i> , 2011, 33, 1102-1105.	3.6	38
78	Synthesis of faceted ¹¹² -SnWO ₄ microcrystals with enhanced visible-light photocatalytic properties. <i>Chemical Communications</i> , 2012, 48, 7838.	4.1	38
79	Synthesis and characterization of nanoscaled BiPO ₄ and BiPO ₄ :Tb. <i>Journal of Materials Science</i> , 2009, 44, 1412-1415.	3.7	37
80	cis-Sodium Hyponitrite—A New Preparative Route and a Crystal Structure Analysis. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1728-1730.	4.4	36
81	Adhesion of Colloidal ZnO Particles on ZnS-Type Phosphor Surfaces. <i>Journal of Colloid and Interface Science</i> , 2000, 223, 229-234.	9.4	36
82	Ionic liquid based approach to nanoscale functional materials. <i>Solid State Sciences</i> , 2008, 10, 461-465.	3.2	36
83	Nanoscale La(OH) ₃ Hollow Spheres and Fine-Tuning of Its Outer Diameter and Cavity Size. <i>Small</i> , 2010, 6, 1886-1891.	10.0	36
84	One-Pot Synthesis of In ₂ O ₃ Nanoparticles with Tuned Particle Size and High Oxidation Stability. <i>Chemistry of Materials</i> , 2011, 23, 4982-4987.	6.7	36
85	Bright luminescence in lanthanide coordination polymers with tetrafluoroterephthalate as a bridging ligand. <i>Dalton Transactions</i> , 2015, 44, 6249-6259.	3.3	36
86	Nanoscale Hollow Spheres: Microemulsion-Based Synthesis, Structural Characterization and Container-Type Functionality. <i>Materials</i> , 2010, 3, 4355-4386.	2.9	35
87	Gradual anionic character of gold in ternary perovskite type oxides. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 1045.	2.0	34
88	Intensely Photoluminescent Diamidophosphines of the Alkaline-Earth Metals, Aluminum, and Zinc. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14265-14269.	13.8	34
89	ZrO(HPO ₄) ₂ ·xH ₂ O (FMN) ₂ : Quick and Easy Synthesis of a Nanoscale Luminescent Biomarker. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 632-637.	13.8	32
90	Microemulsion-based synthesis of nanoscaled silver hollow spheres and direct comparison with massive particles of similar size. <i>Nanoscale</i> , 2010, 2, 2223.	5.6	32

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91	Multimodal [GdO] ⁺ [ICG] ⁺ Nanoparticles for Optical, Photoacoustic, and Magnetic Resonance Imaging. <i>Chemistry of Materials</i> , 2017, 29, 3547-3554.	6.7	32
92	Samarium Polyarsenides Derived from Nanoscale Arsenic. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4386-4389.	13.8	31
93	Porous ZnO platelets via controlled thermal decomposition of zinc glycerolate. <i>Journal of Alloys and Compounds</i> , 2012, 513, 125-129.	5.5	30
94	Ammonia-in-oil Microemulsions and Their Application. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12443-12447.	13.8	30
95	Isoniazid@Fe ₂ O ₃ Nanocontainers and Their Antibacterial Effect on Tuberculosis Mycobacteria. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12597-12601.	13.8	30
96	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.	2.7	30
97	Recyclable cobalt(0) nanoparticle catalysts for hydrogenations. <i>Catalysis Science and Technology</i> , 2018, 8, 2648-2653.	4.1	30
98	Î ² -SnWO ₄ Photocatalyst with Controlled Morphological Transition of Cubes to Spikecubes. <i>ACS Catalysis</i> , 2016, 6, 2357-2367.	11.2	29
99	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.	3.7	28
100	Polyol-mediated synthesis of nanoscale Mg(OH) ₂ and MgO. <i>Journal of Materials Science</i> , 2007, 42, 7076-7080.	3.7	27
101	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.	6.7	27
102	Ti ₂ O ₃ nanoparticles via lithium-naphthalenide-driven reduction. <i>Chemical Communications</i> , 2016, 52, 6316-6319.	4.1	27
103	Therapeutic Fluorescent Hybrid Nanoparticles for Traceable Delivery of Glucocorticoids to Inflammatory Sites. <i>Theranostics</i> , 2018, 8, 6367-6383.	10.0	27
104	Nanoscale Î ² -SnWO ₄ -SnO ₂ 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.	20.2	26
105	Pd@SnO ₂ and SnO ₂ @Pd Core@Shell Nanocomposite Sensors. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 591-596.	2.3	26
106	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.	6.7	25
107	Ionic-Liquid-Based Synthesis of the Bromine-Rich Bromidoplatinates [NBu ₃ Me] ₂ [Pt ₂ Br ₁₀](Br) ₂ and [NBu ₃ Me] ₂ [Pt ₂ Br ₁₀](Br) ₃ . <i>Zeitschrift Für Anorganische Und Allgemeine Chemie</i> , 2018, 644, 275-279.	1.2	25
108	Gd ₄ ³⁺ [ALPCS] ₄ ³⁺ Nanoagent Generating ¹ O ₂ for Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1801074.	14.9	25

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109	Ionic Liquid Based Approach to Luminescent LaPO ₄ :Ce,Tb Nanocrystals: Synthesis, Characterization and Application. European Journal of Inorganic Chemistry, 2008, 2008, 873-877.	2.0	24
110	Phase-transfer assisted synthesis of BiOI nanoplatelets, quantum-confined color and selective modification of surface conditioning. Solid State Sciences, 2011, 13, 1017-1021.	3.2	24
111	Bimetallic Nickel-Iridium and Nickel-Osmium Alloy Nanoparticles and Their Catalytic Performance in Hydrogenation Reactions. ChemCatChem, 2017, 9, 3534-3543.	3.7	24
112	Loading of ionic compounds into metal-organic frameworks: a joint theoretical and experimental study for the case of La ³⁺ . Physical Chemistry Chemical Physics, 2014, 16, 17918-17923.	2.8	23
113	Ionic Liquids – Designer Solvents for the Synthesis of New Compounds and Functional Materials. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 2-2.	1.2	23
114	Halogenated Terephthalic Acid –Antenna Effects–in Lanthanide-SURMOF Thin Films. ACS Applied Materials & Interfaces, 2020, 12, 52166-52174.	8.0	23
115	Adhesion of Colloidal SiO ₂ Particles on ZnS-Type Phosphor Surfaces. Journal of Colloid and Interface Science, 2000, 228, 121-126.	9.4	22
116	Polyol mediated synthesis of sub-micrometer Bi ₂ O ₃ particles. Journal of Materials Science, 2001, 36, 297-299.	3.7	22
117	Sn ₃ I ₈ ·2(18-crown-6): a Mixed-Valent Tin-Crown-Ether Complex. Inorganic Chemistry, 2009, 48, 3153-3156.	4.0	22
118	Advanced bimetallic In–Cu/Ag/Au nanostructures via microemulsion-based reaction. RSC Advances, 2012, 2, 9473.	3.6	22
119	p-DSSCs with BiOCl and BiOBr semiconductor and polybromide electrolyte. Solid State Sciences, 2013, 19, 172-177.	3.2	22
120	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. Solid State Sciences, 2015, 41, 56-62.	3.2	22
121	Microwave-Assisted Polyol Synthesis of Water Dispersible Red-Emitting Eu ³⁺ -Modified Carbon Dots. Materials, 2017, 10, 25.	2.9	22
122	Microemulsion-based synthesis of nanoscale TiO ₂ hollow spheres. Solid State Sciences, 2011, 13, 1505-1509.	3.2	21
123	Easy access to CuO nanoparticles and porous copper electrodes with high oxidation stability and high conductivity. Journal of Materials Chemistry, 2012, 22, 987-993.	6.7	21
124	Unexpected Fluorescence of Polyols and PEGylated Nanoparticles Derived from Carbon Dot Formation. Particle and Particle Systems Characterization, 2015, 32, 467-475.	2.3	21
125	Liquid-Phase Synthesis of Highly Reactive Rare-Earth Metal Nanoparticles. Angewandte Chemie - International Edition, 2021, 60, 17373-17377.	13.8	21
126	Multilayered core-shell structure of polyol-stabilized calcium fluoride nanoparticles characterized by NMR. Journal of Colloid and Interface Science, 2013, 390, 250-257.	9.4	20

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127	Photoluminescent Oneâ€Dimensional Coordination Polymers from Suitable Pyridine Antenna and LnCl_3 for Visible and Nearâ€IR Emission. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 826-836.	2.0	20
128	Fluorescent Inorganicâ€Organic Hybrid Nanoparticles. <i>ChemNanoMat</i> , 2019, 5, 24-45.	2.8	20
129	In^{0+} Nanoparticle Synthesis Assisted by Phase-Transfer Reaction. <i>Chemistry of Materials</i> , 2009, 21, 771-774.	6.7	19
130	Colloidally stable selenium@copper selenide core@shell nanoparticles as selenium source for manufacturing of copperâ€indiumâ€selenide solar cells. <i>Journal of Colloid and Interface Science</i> , 2014, 415, 103-110.	9.4	19
131	Preparation of sub-micrometer LnPO_4 particles (Ln = La, Ce). <i>Journal of Materials Science</i> , 2002, 37, 3251-3254.	3.7	18
132	Selective synthesis of Eu^{2+} - and Eu^{3+} - SrHPO_4 nanoparticles. <i>Journal of Materials Science</i> , 2008, 43, 5504-5507.	3.7	18
133	Metastable Solids-Terra Incognita Awaiting Discovery. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7610-7611.	13.8	18
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