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List of Publications by Year in descending order

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257 papers	6,645 citations	66343 42 h-index	110387 64 g-index
261 all docs	261 docs citations	261 times ranked	4804 citing authors

#	Article	IF	Citations
1	Multifunctional Optical Sensors for Nanomanometry and Nanothermometry: High-Pressure and High-Temperature Upconversion Luminescence of Lanthanide-Doped Phosphatesâ€"LaPO₄/YPO₄:Yb³⁺â€"Tm³⁺. ACS Applied Materials & Interfaces, 2018, 10, 17269-17279.	8.0	236
2	Upconverting Lanthanide Fluoride Core@Shell Nanorods for Luminescent Thermometry in the First and Second Biological Windows: Î²-NaYF₄:Yb³⁺â€" Er³⁺@SiO₂ Temperature Sensor. ACS Applied Materials & Interfaces, 2019, 11, 13389-13396.	8.0	178
3	Energy transfer in solution of lanthanide complexes. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 150, 233-247.	3.9	176
4	Luminescence Properties of Materials with Eu(III) Complexes:Â Role of Ligand, Coligand, Anion, and Matrix. Chemistry of Materials, 2003, 15, 656-663.	6.7	175
5	Luminescence spectroscopy of lanthanide(III) ions in solution. Journal of Alloys and Compounds, 2002, 341, 45-50.	5.5	141
6	Structural and Spectroscopic Properties of LaOF:Eu³⁺ Nanocrystals Prepared by the Solâ€"Gel Pechini Method. Inorganic Chemistry, 2011, 50, 8112-8120.	4.0	134
7	Luminescent Nanothermometer Operating at Very High Temperatureâ€"Sensing up to 1000 K with Upconverting Nanoparticles (Yb³⁺/Tm³⁺). ACS Applied Materials & Interfaces, 2020, 12, 43933-43941.	8.0	130
8	Lifetime nanomanometry â€" high-pressure luminescence of up-converting lanthanide nanocrystals â€" SrF₂:Yb³⁺,Er³⁺. Nanoscale, 2017, 9, 16030-16037.	5.6	114
9	Optical Vacuum Sensor Based on Lanthanide Upconversionâ€"Luminescence Thermometry as a Tool for Ultralow Pressure Sensing. Advanced Materials Technologies, 2020, 5, 1901091.	5.8	102
10	Upconverting lanthanide doped fluoride NaLuF4:Yb3+-Er3+-Ho3+ - optical sensor for multi-range fluorescence intensity ratio (FIR) thermometry in visible and NIR regions. Journal of Luminescence, 2018, 201, 104-109.	3.1	91
11	Optical Pressure Sensor Based on the Emission and Excitation Band Width (fwhm) and Luminescence Shift of Ce³⁺-Doped Fluorapatiteâ€"High-Pressure Sensing. ACS Applied Materials & Interfaces, 2019, 11, 4131-4138.	8.0	88
12	Sr₂LuF₇:Yb³⁺â€"Ho³⁺â€"Er³⁺ Upconverting Nanoparticles as Luminescent Thermometers in the First, Second, and Third Biological Windows. ACS Applied Nano Materials, 2020, 3, 6406-6415.	5.0	80
13	Multifunctionality of GdPO4:Yb3+,Tb3+ nanocrystals â€" luminescence and magnetic behaviour. Journal of Materials Chemistry, 2012, 22, 22989.	6.7	77
14	Lanthanide Upconverted Luminescence for Simultaneous Contactless Optical Thermometry and Manometryâ€"Sensing under Extreme Conditions of Pressure and Temperature. ACS Applied Materials & Interfaces, 2020, 12, 40475-40485.	8.0	77
15	Influence of Matrix on the Luminescent and Structural Properties of Glycerine-Capped, Tb³⁺-Doped Fluoride Nanocrystals. Journal of Physical Chemistry C, 2012, 116, 17188-17196.	3.1	75
16	Tunable Luminescence of Sr₂CeO₄:M²⁺ (M = Ca, Mg, Ba, Zn) and Sr₂CeO₄:Ln³⁺ (Ln = Eu, Dy, Tm) Nanophosphors. Journal of Physical Chemistry C, 2012, 116, 3219-3226.	3.1	74
17	Structural, Spectroscopic, and Magnetic Properties of Eu³⁺-Doped GdVO₄ Nanocrystals Synthesized by a Hydrothermal Method. Inorganic Chemistry, 2014, 53, 12243-12252.	4.0	71
18	Highly-efficient double perovskite Mn4+-activated Gd2ZnTiO6 phosphors: A bifunctional optical sensing platform for luminescence thermometry and manometry. Chemical Engineering Journal, 2022, 446, 136839.	12.7	68

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19	Praseodymium doped YF3:Pr3+ nanoparticles as optical thermometer based on luminescence intensity ratio (LIR) â€“ Studies in visible and NIR range. Journal of Luminescence, 2019, 214, 116571.	3.1	65
20	Luminescence investigations of novel orangeâ€red fluorapatite <scp>KL</scp>aSr₃(<scp>PO</scp>₄)₃F: Sm³⁺ phosphors with high thermal stability. Journal of the American Ceramic Society, 2017, 100, 2221-2231.	3.8	63
21	Revision of structural properties of GdBO3 nanopowders doped with Eu3+ ions through spectroscopic studies. Dalton Transactions, 2012, 41, 5824.	3.3	61
22	Pressure-triggered enormous redshift and enhanced emission in Ca2Gd8Si6O26:Ce3+ phosphors: Ultrasensitive, thermally-stable and ultrafast response pressure monitoring. Chemical Engineering Journal, 2022, 443, 136414.	12.7	58
23	Aqueous Solutions of Uranium(VI) as Studied by Time-Resolved Emission Spectroscopy: A Round-Robin Test. Applied Spectroscopy, 2003, 57, 1027-1038.	2.2	54
24	Hydrothermal Synthesis and Structural and Spectroscopic Properties of the New Triclinic Form of GdBO₃:Eu³⁺ Nanocrystals. Inorganic Chemistry, 2013, 52, 4934-4940.	4.0	54
25	Hydrothermal preparation and photoluminescent properties of MgAl2O4: Eu3+ spinel nanocrystals. Journal of Luminescence, 2010, 130, 434-441.	3.1	53
26	The effects of down- and up-conversion on dual-mode green luminescence from Yb3+- and Tb3+-doped LaPO4 nanocrystals. Journal of Materials Chemistry C, 2013, 1, 5410.	5.5	53
27	Preparation of Biocompatible, Luminescent-Plasmonic Core/Shell Nanomaterials Based on Lanthanide and Gold Nanoparticles Exhibiting SERS Effects. Journal of Physical Chemistry C, 2016, 120, 23788-23798.	3.1	53
28	Photoluminescent properties of LaF3:Eu3+ and GdF3:Eu3+ nanoparticles prepared by co-precipitation method. Journal of Rare Earths, 2009, 27, 588-592.	4.8	51
29	Eu³⁺and Tb³⁺doped LaPO₄nanorods, modified with a luminescent organic compound, exhibiting tunable multicolour emission. RSC Advances, 2014, 4, 46305-46312.	3.6	50
30	Effects of Dopant Addition on Lattice and Luminescence Intensity Parameters of Eu(III)-Doped Lanthanum Orthovanadate. Journal of Physical Chemistry C, 2016, 120, 28497-28508.	3.1	50
31	Luminescence lifetimes of aqueous europium perchlorate, chloride and nitrate solutions. Materials Chemistry and Physics, 1992, 31, 159-161.	4.0	49
32	Facile synthesis, structural and spectroscopic properties of GdF3:Ce3+, Ln3+ (Ln3+=Sm3+, Eu3+, Tb3+,) Tj ETQq0 0 0 rgBT /Overlock 10	3.1	48
33	Optical pressure nano-sensor based on lanthanide doped SrB2O4:Sm2+ luminescence â€“ Novel high-pressure nanomanometer. Sensors and Actuators B: Chemical, 2018, 273, 585-591.	7.8	48
34	Luminescence studies of Eu(III) mixed ligand complexes. Journal of Alloys and Compounds, 2002, 344, 70-74.	5.5	47
35	Preparation and photophysical properties of luminescent nanoparticles based on lanthanide doped fluorides (LaF3:Ce3+, Gd3+, Eu3+), obtained in the presence of different surfactants. Journal of Alloys and Compounds, 2014, 597, 63-71.	5.5	47
36	Dual-center thermochromic Bi2MoO6:Yb3+, Er3+, Tm3+ phosphors for ultrasensitive luminescence thermometry. Journal of Alloys and Compounds, 2022, 890, 161830.	5.5	47

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37	Structural, spectroscopic and cytotoxicity studies of TbF3@CeF3 and TbF3@CeF3@SiO2 nanocrystals. Journal of Nanoparticle Research, 2013, 15, 1958.	1.9	46
38	Synthesis and Organic Surface Modification of Luminescent, Lanthanide-Doped Core/Shell Nanomaterials (LnF₃@SiO₂@NH₂@Organic Acid) for Potential Bioapplications: Spectroscopic, Structural, and in Vitro Cytotoxicity Evaluation. Langmuir, 2014, 30, 9533-9543.	3.5	46
39	Core/shell-type nanorods of Tb3+-doped LaPO4, modified with amine groups, revealing reduced cytotoxicity. Journal of Nanoparticle Research, 2013, 15, 2068.	1.9	45
40	Spectroscopic, structural and in vitro cytotoxicity evaluation of luminescent, lanthanide doped core@shell nanomaterials GdVO4:Eu3+5%@SiO2@NH2. Journal of Colloid and Interface Science, 2016, 481, 245-255.	9.4	45
41	Synthesis, spectroscopic and structural studies on YOF, LaOF and GdOF nanocrystals doped with Eu3+, synthesized via stearic acid method. Optical Materials, 2013, 35, 2226-2233.	3.6	44
42	Energy transfer upconversion dynamics in YVO 4 :Yb 3+ ,Er 3+. Journal of Luminescence, 2016, 170, 560-570.	3.1	44
43	Up-conversion luminescence of Yb3+ and Er3+ doped YPO4, LaPO4 and GdPO4 nanocrystals. Journal of Luminescence, 2016, 175, 21-27.	3.1	43
44	Luminescence of europium(III) compounds in zirconia xerogels. Chemical Physics Letters, 2001, 349, 266-270.	2.6	42
45	Down- and up-converting dual-mode YPO₄:Yb³⁺,Tb³⁺ nanocrystals: synthesis and spectroscopic properties. Dalton Transactions, 2014, 43, 17255-17264.	3.3	42
46	Revised crystal structure and luminescent properties of gadolinium oxyfluoride Gd₄O₃F₆doped with Eu³⁺ions. Dalton Transactions, 2014, 43, 6925-6934.	3.3	42
47	Chemiluminescence determination of tetracyclines using Fenton system in the presence europium(III) ions. Analytica Chimica Acta, 2009, 639, 96-100.	5.4	41
48	Synthesis of lanthanide doped CeF 3 :Gd 3+ , Sm 3+ nanoparticles, exhibiting altered luminescence after hydrothermal post-treatment. Journal of Alloys and Compounds, 2016, 661, 182-189.	5.5	40
49	Tm²⁺ Activated SrB₄O₇ Bifunctional Sensor of Temperature and Pressureâ€"Highly Sensitive, Multiâ€Parameter Luminescence Thermometry and Manometry. Advanced Optical Materials, 2021, 9, 2101507.	7.3	40
50	Luminescence study of europium(III) complexes with several dicarboxylic acids in aqueous solution. Journal of Alloys and Compounds, 1995, 225, 257-260.	5.5	39
51	Formation and dissociation kinetics of Eu(III) complexes with H5do3ap and similar dota-like ligands. Polyhedron, 2007, 26, 4119-4130.	2.2	39
52	Structural, morphological and spectroscopic properties of Eu3+-doped rare earth fluorides synthesized by the hydrothermalmethod. Journal of Solid State Chemistry, 2013, 200, 76-83.	2.9	39
53	UV-Vis-NIR absorption spectra of lanthanide oxides and fluorides. Dalton Transactions, 2020, 49, 2129-2137.	3.3	39
54	Synthesis, characterization, and cytotoxicity in human erythrocytes of multifunctional, magnetic, and luminescent nanocrystalline rare earth fluorides. Journal of Nanoparticle Research, 2015, 17, 399.	1.9	38

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55	Influence of nanocrystals size on the structural and luminescent properties of GdOF:Eu3+. Journal of Alloys and Compounds, 2012, 539, 82-89.	5.5	37
56	Er3+, Yb3+ co-doped Sr3(PO4)2 phosphors: A ratiometric luminescence thermometer based on Stark levels with tunable sensitivity. Journal of Luminescence, 2020, 227, 117517.	3.1	37
57	Nonlinear Optical Thermometryâ€"A Novel Temperature Sensing Strategy via Second Harmonic Generation (SHG) and Upconversion Luminescence in BaTiO₃:Ho³⁺,Yb³⁺ Perovskite. Advanced Optical Materials, 2021, 9, 2100386.	7.3	37
58	Modification of cellulose fibers with inorganic luminescent nanoparticles based on lanthanide(III) ions. Carbohydrate Polymers, 2019, 206, 742-748.	10.2	36
59	Huge enhancement of Sm²⁺ emission via Eu²⁺ energy transfer in a SrB₄O₇ pressure sensor. Journal of Materials Chemistry C, 2020, 8, 4810-4817.	5.5	36
60	Luminescence lifetime of lanthanide(III) ions in aqueous solution containing azide ion. Journal of Alloys and Compounds, 2001, 323-324, 125-127.	5.5	35
61	Photoluminescence properties of nanosized strontium-yttrium borate phosphor Sr3Y2(BO3)4:Eu3+ obtained by the sol-gel Pechini method. Journal of Rare Earths, 2011, 29, 1161-1165.	4.8	35
62	Supersensitive Ratiometric Thermometry and Manometry Based on Dualâ€Emitting Centers in Eu²⁺/Sm²⁺â€Doped Strontium Tetraborate Phosphors. Advanced Optical Materials, 2022, 10, .	7.3	35
63	Spectroscopic Characterization of Eu(III) Complexes with New Monophosphorus Acid Derivatives of H4dota. Journal of Fluorescence, 2005, 15, 507-512.	2.5	34
64	Luminescent cellulose fibers activated by Eu3+-doped nanoparticles. Cellulose, 2012, 19, 1271-1278.	4.9	34
65	Luminescence properties of calcium tungstate activated by lanthanide(III) ions. Journal of Rare Earths, 2014, 32, 221-225.	4.8	34
66	Emission color tuning and phase transition determination based on high-pressure up-conversion luminescence in YVO4: Yb3+, Er3+ nanoparticles. Journal of Luminescence, 2019, 209, 321-327.	3.1	34
67	Improvement of emission intensity in luminescent materials based on the antenna effect. Journal of Alloys and Compounds, 2000, 300-301, 55-60.	5.5	33
68	Applications of spectroscopic methods in studies of polyoxometalates and their complexes with lanthanide(III) ions. Journal of Alloys and Compounds, 2000, 300-301, 88-94.	5.5	33
69	Magnetic and luminescent hybrid nanomaterial based on Fe3O4 nanocrystals and GdPO4:Eu3+ nanoneedles. Journal of Nanoparticle Research, 2012, 14, 1188.	1.9	33
70	Improving temperature resolution of luminescent nanothermometers working in the near-infrared range using non-thermally coupled levels of Yb3+ & Tm3+. Journal of Luminescence, 2020, 228, 117643.	3.1	32
71	Complexation Study of NpO⁺ ₂ and UO²⁺ ₂ Ions with Several Organic Ligands in Aqueous Solutions of High Ionic Strength. Radiochimica Acta, 1996, 74, 117-122.	1.2	31
72	Spectral studies of zinc octacarboxyphthalocyanine aggregation. Dyes and Pigments, 2009, 80, 239-244.	3.7	31

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73	Tuning luminescence properties of Eu3+ doped CaAl2O4 nanophosphores with Na+ co-doping. Journal of Luminescence, 2013, 133, 102-109.	3.1	31
74	Synthesis, surface modification/decoration of luminescentâ€“magnetic core/shell nanomaterials, based on the lanthanide doped fluorides (Fe 3 O 4 /SiO 2 /NH 2 /PAA/LnF 3). Journal of Luminescence, 2016, 170, 484-490.	3.1	31
75	Improving performance of luminescent nanothermometers based on non-thermally and thermally coupled levels of lanthanides by modulating laser power. Nanoscale, 2021, 13, 14139-14146.	5.6	31
76	Europium-sensitized Chemiluminescence of System Tetracyclineâ€“H2O2â€“Fe(II)/(III) and Its Application to the Determination of Tetracycline. Journal of Fluorescence, 2008, 18, 1193-1197.	2.5	30
77	LUMINESCENCE STUDY OF Eu(III) COMPLEXES EXTRACTED IN THE ORGANIC PHASE. Solvent Extraction and Ion Exchange, 1991, 9, 637-647.	2.0	29
78	Preparation and Spectroscopy Characterization of Eu:MgAl₂O₄ Nanopowder Prepared by Modified Pechini Method. Journal of Nanoscience and Nanotechnology, 2009, 9, 5803-5810.	0.9	29
79	Comparative studies on structural and luminescent properties of Eu3+:MgAl2O4 and Eu3+/Na+:MgAl2O4 nanopowders and nanoceramics. Optical Materials, 2012, 35, 130-135.	3.6	29
80	Gold nanorods as a high-pressure sensor of phase transitions and refractive-index gauge. Nanoscale, 2019, 11, 8718-8726.	5.6	29
81	Spectroscopic study of ion binding in synthetic polyelectrolytes using lanthanide ions. Inorganica Chimica Acta, 1995, 239, 139-143.	2.4	27
82	Fluorescence of lanthanide(III) complexes in aqueous solutions the influence ofpH and solution composition. Monatshefte FÃ¼r Chemie, 1985, 116, 901-911.	1.8	26
83	Investigation of Structure, Morphology, and Luminescence Properties in Blueâ€Red Emitter, Europiumâ€Activated ZnAl₂O₄ Nanospinels. European Journal of Inorganic Chemistry, 2012, 2012, 3418-3426.	2.0	26
84	Lifetime and fluorescence quantum yield of uranium(VI) species in hydrolyzed solutions. Journal of Alloys and Compounds, 2000, 300-301, 107-112.	5.5	25
85	Synthesis and tunable emission studies of new up-converting Ba2GdV3O11 nanopowders doped with Yb3+/Ln3+ (Ln3+ = Er3+, Ho3+, Tm3+). Journal of Luminescence, 2018, 200, 59-65.	3.1	25
86	Luminescentâ€“Magnetic Cellulose Fibers, Modified with Lanthanide-Doped Core/Shell Nanostructures. ACS Omega, 2018, 3, 10383-10390.	3.5	25
87	Luminescent-plasmonic, lanthanide-doped core/shell nanomaterials modified with Au nanorods â€“ Up-conversion luminescence tuning and morphology transformation after NIR laser irradiation. Journal of Alloys and Compounds, 2018, 762, 621-630.	5.5	25
88	Chemiluminescence determination of fluoroquinolones using Fenton system in the presence of terbium(iii) ions. Analyst, The, 2011, 136, 2592.	3.5	24
89	Spectroscopic properties of Eu3+ doped YBO3 nanophosphors synthesized by modified co-precipitation method. Journal of Rare Earths, 2011, 29, 1142-1146.	4.8	24
90	New complexes of cobalt(II) ions with pyridinecarboxylic acid N-oxides and 4,4â€²-byp. Journal of Molecular Structure, 2013, 1034, 128-133.	3.6	24

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91	Preparation of multicolor luminescent cellulose fibers containing lanthanide doped inorganic nanomaterials. Journal of Luminescence, 2016, 169, 520-527.	3.1	24
92	Intensification of rare earths luminescence in glasses. Journal of Luminescence, 2003, 102-103, 243-247.	3.1	23
93	Nanosized complex fluorides based on Eu3+ doped Sr2LnF7 (Ln=La, Gd). Journal of Rare Earths, 2014, 32, 242-247.	4.8	23
94	Synthesis and spectroscopic properties of Yb³⁺ and Tb³⁺ co-doped GdBO₃ materials showing down- and up-conversion luminescence. Dalton Transactions, 2015, 44, 4063-4069.	3.3	23
95	<scp>REVO</scp>₄â€Based Nanomaterials (<scp>RE</scp> = Y, La, Gd, and Lu) as Hosts for Yb³⁺/Ho³⁺, Yb³⁺/Er³⁺, and Yb³⁺/Tm³⁺ Ions: Structural and Upâ€Conversion Luminescence Studies. Journal of the American Ceramic Society, 2016, 99, 3300-3308.	3.8	23
96	Eu²⁺ emission from thermally coupled levels â€“ new frontiers for ultrasensitive luminescence thermometry. Journal of Materials Chemistry C, 2022, 10, 1220-1227.	5.5	23
97	A new spectrophotometric method for the determination and simultaneous determination of tungsten and molybdenum in polyoxometalates and their Ln(III) complexes. Journal of Alloys and Compounds, 2000, 303-304, 132-136.	5.5	22
98	Structural and spectroscopic properties of YOF:Eu3+ nanocrystals. Journal of Alloys and Compounds, 2013, 576, 345-349.	5.5	22
99	Luminescent cellulose fibers modified with cerium fluoride doped with terbium particles. Polymer Composites, 2016, 37, 153-160.	4.6	22
100	Energy migration in YBO 3 :Yb 3+ ,Tb 3+ materials: Down- and upconversion luminescence studies. Journal of Alloys and Compounds, 2016, 686, 951-961.	5.5	22
101	Synthesis and Spectroscopic Studies of Chosen Heteropolytungstates and Their Ln(III) Complexes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1999, 35, 225-231.	1.6	21
102	EPR study of sandwiched gadolinium(III) complexes with polyoxometalates. Journal of Alloys and Compounds, 2002, 341, 307-311.	5.5	21
103	Determination of small amounts of water in dimethylformamide and dimethylsulfoxide using luminescence lifetime measurements of europium(III). Analytical Chemistry, 1991, 63, 2542-2543.	6.5	20
104	Spectroscopic studies of Eu(III) and Nd(III) complexes with several polyoxometalates. Journal of Alloys and Compounds, 2000, 300-301, 370-376.	5.5	20
105	Chemiluminescent systems generating reactive oxygen species from the decomposition of hydrogen peroxide and their analytical applications. TrAC - Trends in Analytical Chemistry, 2013, 44, 1-11.	11.4	20
106	Luminescent-plasmonic effects in GdPO 4 :Eu 3+ nanorods covered with silver nanoparticles. Journal of Luminescence, 2017, 188, 24-30.	3.1	20
107	Comparative studies of structure, spectroscopic properties and intensity parameters of tetragonal rare earth vanadate nanophosphors doped with Eu(III). Journal of Alloys and Compounds, 2018, 741, 459-472.	5.5	20
108	Quantitative resolution of spectroscopic systems using computer-assisted target factor analysis (CAT). Fresenius' Journal of Analytical Chemistry, 2001, 369, 124-133.	1.5	19

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109	Application of cause-and-effect diagrams to the interpretation of UV-Vis spectroscopic data. Analytical and Bioanalytical Chemistry, 2002, 372, 333-340.	3.7	19
110	Bifunctional luminescent and magnetic core/shell type nanostructures Fe3O4@CeF3:Tb3+/SiO2. Journal of Rare Earths, 2011, 29, 1117-1122.	4.8	19
111	Synthesis and Spectroscopic Study of Europium(III) in Heteropolyanion [EuP5W30O110]12-. Acta Physica Polonica A, 1996, 90, 361-366.	0.5	19
112	Antenna effect in an oxide xerogel. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1998, 54, 2183-2187.	3.9	18
113	Electrochemiluminescence on Dy(III) and Tb(III)-doped Al/Al2O3 surface electrode. Electrochemistry Communications, 2006, 8, 1071-1074.	4.7	18
114	Poly (Isonicotinic Acid N-Oxideâ€“Isonicotinate-N-Oxide-Chloro-Uranyl): The Interpenetrating Grids Created by Coordination and Hydrogen Bonds. Journal of Chemical Crystallography, 2010, 40, 646-649.	1.1	18
115	Synthesis, spectroscopic and structural properties of uranyl complexes based on bipyridine N-oxide ligands. Polyhedron, 2011, 30, 880-885.	2.2	18
116	Synthesis, photophysical analysis, and in vitro cytotoxicity assessment of the multifunctional (magnetic and luminescent) core@shell nanomaterial based on lanthanide-doped orthovanadates. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	18
117	White and red emitting LaF 3 nanocrystals doped with Eu 2+ and Eu 3+ ions: Spectroscopic and magnetic studies. Journal of Alloys and Compounds, 2016, 686, 489-495.	5.5	18
118	EPR Study of Gadolinium(III) Complexes with Heteropolyanions: [Gd(SiW11O39)2]13-and [GdP5W30O110]12-. Acta Physica Polonica A, 1996, 90, 345-351.	0.5	18
119	Quenching of the triplet state of benzophenone by lanthanide 1,3-diketonate chelates in solutions. Monatshefte FÃ¼r Chemie, 1988, 119, 669-676.	1.8	17
120	Spectroscopic study of lanthanide(III) complexes with chosen aminoacids and hydroxyacids in solution. Journal of Alloys and Compounds, 2000, 300-301, 38-44.	5.5	17
121	The Antenna Effect of Eu(III) Cryptate Entrapped in Xerogel Matrices. Molecular Crystals and Liquid Crystals, 2000, 354, 207-219.	0.3	17
122	Synthesis and electropolymerization of 3,5-dithienylpyridines, their complexes and N-methylpyridinium cations. Synthetic Metals, 2008, 158, 831-838.	3.9	17
123	The structure and spectroscopy of lanthanide(III) complexes with picolinic acid N-oxide in solution and in the solid state. Materials Chemistry and Physics, 2009, 114, 134-138.	4.0	17
124	Structural and spectroscopy studies of complexes of the uranyl ion with 2,2â€²-bipyridine-N,Nâ€²-dioxide. Polyhedron, 2010, 29, 2081-2086.	2.2	17
125	Luminescence properties of Tm3+/Yb3+, Er3+/Yb3+ and Ho3+/Yb3+ activated calcium tungstate. Journal of Rare Earths, 2011, 29, 1166-1169.	4.8	17
126	Bifunctional magnetic-upconverting luminescent cellulose fibers for anticounterfeiting purposes. Journal of Alloys and Compounds, 2020, 829, 154456.	5.5	17

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127	Luminescent materials consisting of Eu(III) ions complexed in heteropolyoxometalates incorporated into silica xerogels. Journal of Non-Crystalline Solids, 2006, 352, 2213-2219.	3.1	16
128	Structural, morphology and luminescence properties of mixed calcium molybdate-tungstate microcrystals doped with Eu3+ ions and changes of the color emission chromaticity. Optical Materials, 2018, 84, 422-426.	3.6	16
129	Up-converting LuF3 and NaLuF4 fluorides doped with Yb3+/Er3+ or Yb3+/Tm3+ ions for latent fingermarks detection. Journal of Alloys and Compounds, 2019, 784, 641-652.	5.5	16
130	A luminescene study of Eu(III) and Tb(III) complexes with aminopolycarboxylic acid ligands. Journal of Photochemistry and Photobiology A: Chemistry, 1994, 79, 25-31.	3.9	15
131	Synthesis and spectroscopic characterisation of chosen heteropolyanions and their Ln(III) complexes containing tetrabutylammonium counter ion. Journal of Alloys and Compounds, 2004, 374, 366-370.	5.5	15
132	An application of the total measurement uncertainty budget concept to the thermodynamic data of uranyl (VI) complexation by sulfate. Journal of Chemical Thermodynamics, 2006, 38, 1274-1284.	2.0	15
133	Kinetic study of dissociation of Eu(III) complex with H8dotp (H8dotp=1,4,7,10-tetraazacyclododecane-1,4,7,10-tetrakis(methylphosphonic acid)). Inorganica Chimica Acta, 2007, 360, 3748-3755.	2.4	15
134	Green-emitting nanoscaled borate phosphors Sr3RE2(BO3)4:Tb3+. Materials Chemistry and Physics, 2013, 140, 447-452.	4.0	15
135	Effect of various surfactants on changes in the emission color chromaticity in upconversion YVO 4 : Yb 3+ , Er 3+ nanoparticles. Optical Materials, 2018, 76, 400-406.	3.6	15
136	Upconversion luminescence in cellulose composites (fibres and paper) modified with lanthanide-doped SrF‹sub›2‹/sub› nanoparticles. Journal of Materials Chemistry C, 2020, 8, 11922-11928.	5.5	15
137	Simultaneous determination of molybdenum(VI) and tungsten(VI) and its application in elemental analysis of polyoxometalates. Talanta, 2006, 69, 800-806.	5.5	14
138	Synthesis, structural and spectroscopic studies on GdBO3:Yb3+/Tb3+@SiO2 core-shell nanostructures. Journal of Rare Earths, 2015, 33, 1148-1154.	4.8	14
139	Influence of boric acid/Sr2+ ratio on the structure and luminescence properties (colour tuning) of nano-sized, complex strontium borates doped with Sm2+ and Sm3+ ions. Optical Materials, 2018, 83, 245-251.	3.6	14
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