Oscar L Malta

List of Publications by Year
in descending order

171 papers	9,896 citations	38742 50 h-index	38395 95 g-index
174 all docs	174 docs citations	174 times ranked	5781 citing authors

#	Article	IF	Citations
1	Spectroscopic aspects for the Yb3+ coordination compound with a large energy gap between the ligand and Yb3+ excited states. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 274, 121072.	3.9	16
2	The role of the Eu3+ 7F1 level in the direct sensitization of the 5D0 emitting level through intramolecular energy transfer. Journal of Luminescence, 2022, 247, 118862.	3.1	9
3	On the Experimental Determination of 4fâ€“4f Intensity Parameters from the Emission Spectra of Europium (III) Compounds. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2022, 130, 10-17.	0.6	5
4	New Luminescent Lanthanide Tetrakisâ€Complexes NEt₄[LnL₄] Based on Dimethylâ€Nâ€Benzoylamidophosphate. ChemPhysChem, 2022, 23, .	2.1	14
5	On the long decay time of the 7F5 level of Tb3+. Journal of Luminescence, 2022, 248, 118933.	3.1	6
6	A theoretical framework for optical thermometry based on excited-state absorption and lifetimes of Eu3+ compounds. Journal of Luminescence, 2022, 249, 119039.	3.1	6
7	Glowing nanocrystals enable 3D X-ray imaging. Nature, 2021, 590, 396-397.	27.8	13
8	Surface Plasmonâ€“Photon Coupling in Lanthanide-Doped Nanoparticles. Journal of Physical Chemistry Letters, 2021, 12, 1520-1541.	4.6	52
9	(INVITED) JOYSpectra: A web platform for luminescence of lanthanides. Optical Materials: X, 2021, 11, 100080.	0.8	16
10	Novel trivalent europium Î²-diketonate complexes with N-(pyridine-2-yl)amides and N-(pyrimidine-2-yl)amides as ancillary ligands: Photophysical properties and theoretical structural modeling. Journal of Luminescence, 2020, 219, 116884.	3.1	28
11	Overlap properties of chemical bonds in generic systems including unusual bonding situations. Journal of Molecular Modeling, 2020, 26, 301.	1.8	7
12	Highly sensitive and precise optical temperature sensors based on new luminescent Tb³⁺/Eu³⁺ tetrakis complexes with imidazolic counterions. Materials Advances, 2020, 1, 1988-1995.	5.4	19
13	Experimental and theoretical investigations of the [Ln(Î²-dik)(NO3)2(phen)2]â‹…H2O luminescent complexes. Journal of Luminescence, 2020, 226, 117455.	3.1	13
14	Lanthanide complexes withN-phosphorylated carboxamide as UV converters with excellent emission quantum yield and single-ion magnet behavior. Journal of Materials Chemistry C, 2020, 8, 9993-10009.	5.5	33
15	How minor structural changes generate major consequences in photophysical properties of RE coordination compounds; resonance effect, LMCT state. Journal of Rare Earths, 2020, 38, 552-563.	4.8	39
16	Theoretical and Experimental Investigation of the Tb³⁺ â†' Eu³⁺ Energy Transfer Mechanisms in Cubic A₃Tb_{0.90}Eu_{0.10}(PO₄)₃ (A = Sr, Ba) Materials. Journal of Physical Chemistry C, 2020, 124, 10105-10116.	3.1	48
17	Lanthanide complexes with phosphorylated 2-naphthylsulfonamides ligands as electromagnetic radiation converters. Dyes and Pigments, 2019, 160, 439-449.	3.7	19
18	Oddâ€Even Effect on Luminescence Properties of Europium Aliphatic Dicarboxylate Complexes. ChemPhysChem, 2019, 20, 1931-1940.	2.1	23

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19	Development of highly luminescent PMMA films doped with Eu3+Î²-diketonate coordinated on ancillary ligand. Journal of Materials Science: Materials in Electronics, 2019, 30, 16922-16931.	2.2	9
20	On the mechanisms of non-radiative energy transfer between lanthanide ions: centrosymmetric systems. Journal of Luminescence, 2019, 210, 342-347.	3.1	44
21	Modeling intramolecular energy transfer in lanthanide chelates: A critical review and recent advances. Fundamental Theories of Physics, 2019, , 55-162.	0.3	43
22	Effects of Spherical Metallic Nanoparticle Plasmon on 4f-4f Luminescence: A Theoretical Approach. , 2019, , 19-36.		6
23	Investigation on the formation of highly luminescent Î²-diketone-Ln(III)-EDTA water-soluble complexes. Journal of Luminescence, 2019, 207, 182-187.	3.1	12
24	Redâ€Emitting Magnetic Nanocomposites Assembled from Agâ€Decorated Fe₃O₄@SiO₂ and Y₂O₃:Eu³⁺: Impact of Ironâ€Oxide/Silver Nanoparticles on Eu³⁺ Emission. ChemistrySelect, 2018, 3, 1157-1167.	1.5	16
25	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
26	Synthesis and photoluminescence properties of [Eu(dbm)3Â·PX] and [Eu(acac)3Â·PX] complexes. Journal of Luminescence, 2018, 193, 98-105.	3.1	15
27	Luminescence tuning and single-phase white light emitters based on rare earth ions doped into a bismuth coordination network. Journal of Materials Chemistry C, 2018, 6, 12668-12678.	5.5	17
28	Role of Surfactants in the Properties of Poly(Ethylene Terephthalate)/Purified Clay Nanocomposites. Materials, 2018, 11, 1397.	2.9	5
29	Polarized Luminescence of Anisotropic LaPO₄:Eu Nanocrystal Polymorphs. Journal of the American Chemical Society, 2018, 140, 9512-9517.	13.7	48
30	Site-selective Eu(<scp>iii</scp>) spectroscopy of highly efficient luminescent mixed-metal Pb(<scp>ii</scp>)/Eu(<scp>iii</scp>) coordination polymers. RSC Advances, 2017, 7, 6093-6101.	3.6	16
31	Photoluminescence of single-phased white light emission materials based on simultaneous Tb3+, Eu3+ and Dy3+ doping in CaWO4 matrix. Journal of Alloys and Compounds, 2017, 696, 820-827.	5.5	53
32	Contribution of Energy Transfer from the Singlet State to the Sensitization of Eu³⁺ and Tb³⁺ Luminescence by Sulfonylamidophosphates. Chemistry - A European Journal, 2017, 23, 1318-1330.	3.3	67
33	Neodymium doped fluoroindogallate glasses as highly-sensitive luminescent non-contact thermometers. Optical Materials, 2017, 63, 42-45.	3.6	30
34	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
35	Optical and magnetic nanocomposites containing Fe 3 O 4 @SiO 2 grafted with Eu 3+ and Tb 3+ complexes. Journal of Alloys and Compounds, 2016, 686, 453-466.	5.5	21
36	Highly-sensitive Eu³⁺ ratiometric thermometers based on excited state absorption with predictable calibration. Nanoscale, 2016, 8, 5327-5333.	5.6	136

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37	Modeling the influence of silver nanoparticles on the fâ€“f luminescence of the EuEDTA complex in the polyvinylpirrolidone polymer. Journal of Luminescence, 2016, 170, 271-274.	3.1	8
38	Luminescence investigation of R 3+ -doped alkaline earth tungstates prepared by a soft chemistry method. Journal of Luminescence, 2016, 170, 736-742.	3.1	21
39	Energy transfer upconversion dynamics in YVO 4 :Yb 3+ ,Er 3+. Journal of Luminescence, 2016, 170, 560-570.	3.1	44
40	On the calculation and interpretation of covalency in the intensity parameters of 4fâ€“4f transitions in Eu 3+ complexes based on the chemical bond overlap polarizability. Journal of Luminescence, 2016, 170, 420-430.	3.1	88
41	Highly luminescent Eu 3+ -doped benzenetricarboxylate based materials. Journal of Luminescence, 2016, 170, 364-368.	3.1	21
42	Modeling 4fâ€“4f intensity parameters as a function of structural distortions in Ln(2,2â€²-bipyridine-1,1â€²-dioxide)4(ClO4)3 complexes (Ln=Pr3+, Nd3+). Journal of Luminescence, 2016, 169, 454-457.	3.1	8
43	GLASSY MATERIALS AND LIGHT: PART 1. Quimica Nova, 2016, , .	0.3	0
44	GLASSY MATERIALS AND LIGHT: PART 2. Quimica Nova, 2016, , .	0.3	0
45	The Role of the Ligandâ€toâ€Metal Chargeâ€Transfer State in the Dipivaloylmethanateâ€Lanthanide Intramolecular Energy Transfer Process. European Journal of Inorganic Chemistry, 2015, 2015, 3019-3027.	2.0	56
46	Features of chemical bonds based on the overlap polarizabilities: diatomic and solid-state systems with the frozen-density embedding approach. Physical Chemistry Chemical Physics, 2015, 17, 7731-7742.	2.8	6
47	Low temperature synthesis and optical properties of the R2O3:Eu3+ nanophosphors (R3+: Y, Gd and Lu) using TMA complexes as precursors. Optical Materials, 2015, 40, 41-48.	3.6	24
48	On the quenching of trivalent terbium luminescence by ligand low lying triplet state energy and the role of the 7F5 level: The [Tb(tta)3 (H2O)2] case. Journal of Luminescence, 2015, 167, 167-171.	3.1	28
49	Boosting the sensitivity of Nd³⁺-based luminescent nanothermometers. Nanoscale, 2015, 7, 17261-17267.	5.6	213
50	Low Temperature Synthesis of Luminescent RE₂O₃:Eu³⁺Nanomaterials Using Trimellitic Acid Precursors. Journal of the Brazilian Chemical Society, 2015, , .	0.6	2
51	Red-Green Emitting and Superparamagnetic Nanomarkers Containing Fe₃O₄ Functionalized with Calixarene and Rare Earth Complexes. Inorganic Chemistry, 2014, 53, 12902-12910.	4.0	48
52	Efficient and tuneable photoluminescent boehmite hybrid nanoplates lacking metal activator centres for single-phase white LEDs. Nature Communications, 2014, 5, 5702.	12.8	146
53	Persistent luminescence of cadmium silicates. Physica Scripta, 2014, 89, 044014.	2.5	5
54	Red (Eu³⁺), Green (Tb³⁺) and Ultraviolet (Gd³⁺) Emitting Nitrilotriacetate Complexes Prepared by One-step Synthesis. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 231-238.	0.7	7

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55	White OLED based on a temperature sensitive Eu3+/Tb3+ Î²-diketonate complex. Organic Electronics, 2014, 15, 798-808.	2.6	74
56	Unusual photoluminescence properties of the 3D mixed-lanthanideâ€“organic frameworks induced by dimeric structures: a theoretical and experimental approach. Physical Chemistry Chemical Physics, 2014, 16, 14858-14866.	2.8	29
57	Energy-transfer from Gd(iii) to Tb(iii) in (Gd,Yb,Tb)PO4 nanocrystals. Physical Chemistry Chemical Physics, 2013, 15, 15565.	2.8	43
58	Photoâ€“Click Chemistry to Design Highly Efficient Lanthanide Î²-Diketonate Complexes Stable under UV Irradiation. Chemistry of Materials, 2013, 25, 586-598.	6.7	96
59	Luminescent material based on the [Eu(TTA)3(H2O)2] complex incorporated into modified silica particles for biological applications. Journal of Inorganic Biochemistry, 2013, 123, 11-17.	3.5	40
60	Measurement and model calculation of the temperature dependence of ligand-to-metal energy transfer rates in lanthanide complexes. Journal of Luminescence, 2013, 137, 269-273.	3.1	36
61	Molecular electrophosphorescence in (Sm, Gd)-Î²-diketonate complex blend for OLED applications. Journal of Luminescence, 2013, 134, 369-373.	3.1	17
62	Photoluminescent PMMA polymer films doped with Eu3+-Î²-diketonate crown ether complex. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 251, 154-159.	3.9	48
63	Influence of titanium and lutetium on the persistent luminescence of ZrO_2. Optical Materials Express, 2012, 2, 331.	3.0	54
64	Dependence of the Lifetime upon the Excitation Energy and Intramolecular Energy Transfer Rates: The ⁵D₀ Eu^{III} Emission Case. Chemistry - A European Journal, 2012, 18, 12130-12139.	3.3	54
65	Synthesis and Characterization of the Europium(III) Pentakis(picrate) Complexes with Imidazolium Countercations: Structural and Photoluminescence Study. Inorganic Chemistry, 2012, 51, 12867-12878.	4.0	54
66	Evidence of the participation of electronic excited states in the mechanism of positronium formation in substitutional Tb1â^'xEux(dpm)3 solid solutions studied by optical and positron annihilation spectroscopies. Physical Chemistry Chemical Physics, 2012, 14, 9996.	2.8	18
67	Novel europium and gadolinium complexes with methaneseleninate as ligand: Synthesis, characterization and spectroscopic study. Inorganic Chemistry Communication, 2012, 15, 97-101.	3.9	8
68	Down-conversion process in Tb3+â€“Yb3+ co-doped Calibo glasses. Journal of Luminescence, 2012, 132, 1678-1682.	3.1	56
69	Intermolecular energy transfer and photostability of luminescence-tuneable multicolour PMMA films doped with lanthanideâ€“Î²-diketonate complexes. Journal of Materials Chemistry, 2011, 21, 3796.	6.7	182
70	Efeito de diferentes tipos de argilas e modificadores orgÃ¢nicos na morfologia e propriedades tÃ©rmicas dos nanocompÃ³sitos de PET. Polimeros, 2011, 21, 195-203.	0.7	2
71	The chemical bond overlap plasmon as a tool for quantifying covalency in solid state materials and its applications to spectroscopy. International Journal of Quantum Chemistry, 2011, 111, 1626-1638.	2.0	13
72	New complexes of europium and gadolinium with 2,4,6-trichlorophenyl acetoacetate as ligand. Optical Materials, 2011, 33, 402-407.	3.6	10

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73	Preparation and photoluminescence properties of functionalized silica materials incorporating europium complexes. Optical Materials, 2011, 33, 1548-1552.	3.6	15
74	Synthesis, characterization and spectroscopic investigation of new tetrakis(acetylacetonato)thulate(III) complexes containing alkaline metals as countercations. Journal of Luminescence, 2011, 131, 99-103.	3.1	23
75	Biolabeling with nanoparticles based on Y2O3: Nd3+ and luminescence detection in the near-infrared. Journal of Luminescence, 2011, 131, 727-731.	3.1	23
76	Luminescence spectroscopy of Eu3+ in Ca3Sc2Si3O12. Journal of Luminescence, 2011, 131, 1026-1028.	3.1	64
77	Photoluminescence study of new lanthanide complexes with benzeneseleninic acids. Journal of Luminescence, 2010, 130, 181-189.	3.1	27
78	Electron energy-loss cross sections for the chemical bond overlap plasmon Of the hydrogen molecule. Journal of the Brazilian Chemical Society, 2010, 21, 476-480.	0.6	7
79	Terbium(III)-containing organicâ€“inorganic hybrids synthesized through hydrochloric acid catalysis. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 201, 214-221.	3.9	17
80	Molecule-Like Eu³⁺-Dimers Embedded in an Extended System Exhibit Unique Photoluminescence Properties. Journal of the American Chemical Society, 2009, 131, 8620-8626.	13.7	55
81	Positron annihilation in triphenylphosphine oxide complexes: Positronium inhibition mechanism involving excitation of charge transfer states. Chemical Physics Letters, 2008, 452, 249-252.	2.6	12
82	Mechanisms of non-radiative energy transfer involving lanthanide ions revisited. Journal of Non-Crystalline Solids, 2008, 354, 4770-4776.	3.1	190
83	Synthesis (in situ) on organofunctionalized silica and spectroscopic study of Eu(III) complexes. Journal of Alloys and Compounds, 2008, 459, 543-547.	5.5	8
84	Comment on trivalent europium lifetimes in the presence of intramolecular energy transfer processes. Journal of the Brazilian Chemical Society, 2008, 19, 299-301.	0.6	10
85	Energy Transfer Mechanisms in Organicâ^'Inorganic Hybrids Incorporating Europium(III):â€‰ A Quantitative Assessment by Light Emission Spectroscopy. Journal of Physical Chemistry C, 2007, 111, 17627-17634.	3.1	84
86	Energy Transfer and Emission Quantum Yields of Organicâ^'Inorganic Hybrids Lacking Metal Activator Centers. Journal of Physical Chemistry C, 2007, 111, 3275-3284.	3.1	70
87	Synthesis, Crystal Structure, and Modelling of a New Tetramer Complex of Europium. Journal of Physical Chemistry B, 2007, 111, 9228-9238.	2.6	44
88	Photoluminescence of Europium(III) Dithiocarbamate Complexes:â€‰ Electronic Structure, Charge Transfer and Energy Transfer. Journal of Physical Chemistry A, 2006, 110, 2510-2516.	2.5	98
89	Positronium formation in europium(III) coordination compounds. Chemical Physics Letters, 2006, 424, 63-65.	2.6	12
90	Theoretical modeling of thermally activated luminescence quenching through charge transfer states in lanthanide complexes. Chemical Physics Letters, 2006, 429, 595-599.	2.6	39

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91	Synthesis and luminescent properties of Eu3+-complexes with 2-acyl-1,3-indandionates (ACIND) and TPPO ligands: The first X-ray structure of Euâ€“ACIND complex. Polyhedron, 2006, 25, 3488-3494.	2.2	25
92	A theoretical interpretation of the abnormal 5D0â†'7F4 intensity based on the Eu3+ local coordination in the Na9[EuW10O36]Â·14H2O polyoxometalate. Journal of Luminescence, 2006, 121, 561-567.	3.1	197
93	White OLED using Î²-diketones rare earth binuclear complex as emitting layer. Thin Solid Films, 2006, 494, 23-27.	1.8	39
94	Synthesis, Characterization, and Luminescence Properties of Eu3+ 3-Phenyl-4-(4-toluoyl)-5-isoxazolonate Based Organic-Inorganic Hybrids. European Journal of Inorganic Chemistry, 2006, 2006, 3923-3929.	2.0	16
95	Spectroscopic Study of a UV-Photostable Organic-Inorganic Hybrids Incorporating an Eu3+ Î²-Diketonate Complex. ChemPhysChem, 2006, 7, 735-746.	2.1	127
96	Preparation, crystal structure and optical spectroscopy of the rare earth complexes (RE3+=Sm, Eu, Gd) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.6	48
97	Theory of absorption and Raman scattering by the overlap region in a chemical bond. Chemical Physics Letters, 2005, 408, 192-196.	2.6	4
98	Emission quantum yield of a europium(III) tris-Î²-diketonate complex bearing a 1,4-diaza-1,3-butadiene: Comparison with theoretical prediction. Chemical Physics Letters, 2005, 413, 22-24.	2.6	26
99	A covalent fraction model for lanthanide compounds. Chemical Physics Letters, 2005, 415, 238-242.	2.6	71
100	Theoretical and experimental luminescence quantum yields of coordination compounds of trivalent europium. International Journal of Quantum Chemistry, 2005, 103, 572-579.	2.0	17
101	Estudo espectroscÃ³pico de complexos de Eu3+, Tb3+ E Gd3+ com ligantes derivados de Ã¡cidos dicarboxÃ¡licos. Quimica Nova, 2005, 28, 805-808.	0.3	27
102	Enhancement of Pr3+ luminescence in PbOâ€“GeO2 glasses containing silver nanoparticles. Applied Physics Letters, 2005, 87, 241914.	3.3	135
103	On the Use of Ligand Field Parameters in the Study of Coordinated Water Molecules in Eu3+Complexes. Journal of Physical Chemistry A, 2005, 109, 4607-4610.	2.5	13
104	Experimental and Theoretical Study of the Photophysics and Structures of Europium Cryptates Incorporating 3,3?-Bi-isoquinoline-2,2?-dioxide. ChemPhysChem, 2004, 5, 1577-1584.	2.1	34
105	Synthesis, crystalline structure and photoluminescence investigations of the new trivalent rare earth complexes (Sm3+, Eu3+ and Tb3+) containing 2-thiophenecarboxylate as sensitizer. Inorganica Chimica Acta, 2004, 357, 451-460.	2.4	67
106	Voltage color tunable OLED with (Sm,Eu)-Î²-diketonate complex blend. Chemical Physics Letters, 2004, 396, 54-58.	2.6	68
107	Photoluminescence behavior of the Sm3+ and Tb3+ ions doped into the Gd2(WO4)3 matrix prepared by the Pechini and ceramic methods. Journal of the Brazilian Chemical Society, 2004, 15, 890-896.	0.6	33
108	Highly luminescent europium(III) complexes with naphtoiltrifluoroacetone and dimethyl sulphoxide. Molecular Physics, 2003, 101, 1037-1045.	1.7	98

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109	Synthesis and luminescent properties of supramolecules of Î² -diketonate of Eu(III) and crown ethers as ligands. Journal of Solid State Chemistry, 2003, 171, 189-194.	2.9	34
110	Luminescence and energy transfer of the europium (III) tungstate obtained via the Pechini method. Journal of Luminescence, 2003, 101, 11-21.	3.1	340
111	Photoluminescence and cathodoluminescence of Tb-doped Al2O3â€“ZrO2 nanostructures obtained by solâ€“gel method. Chemical Physics, 2003, 291, 275-285.	1.9	45
112	Luminescence Investigations on Eu(III) Thenoyltrifluoroacetonate Complexes with Amide Ligands. Journal of Coordination Chemistry, 2003, 56, 913-921.	2.2	42
113	Intensities of 4f-4f transitions in glass materials. Quimica Nova, 2003, 26, 889-895.	0.3	89
114	Luminescence investigation of the Sm(III)-Î²-diketonates with sulfoxides, phosphine oxides and amides ligands. Journal of Alloys and Compounds, 2002, 344, 293-297.	5.5	109
115	Synthesis and photophysical study of highly luminescent coordination compounds of rare earth ions with thenoyltrifluoroacetonate and AZT. Journal of Inorganic Biochemistry, 2002, 88, 87-93.	3.5	32
116	Influence of the N-[methylpyridyl]acetamide ligands on the photoluminescent properties of Eu(III)-perchlorate complexes. Polyhedron, 2002, 21, 1837-1844.	2.2	165
117	Overlap polarizability of a chemical bond: a scale of covalency and application to lanthanide compounds. Chemical Physics, 2002, 282, 21-30.	1.9	125
118	Visible and Near-Infrared Luminescence of Lanthanide-Containing Dimetallic Triple-Stranded Helicates:Â Energy Transfer Mechanisms in the SmIIIand YbIIIMolecular Edifices. Journal of Physical Chemistry A, 2002, 106, 1670-1677.	2.5	199
119	A theoretical study of the energy-transfer process in [EuâŠ‚bpy.bpy.bpy]3+ cryptates: a ligand-to-metal charge-transfer state?. Chemical Physics Letters, 2000, 328, 67-74.	2.6	47
120	On the charge factors of the simple overlap model for the ligand field in lanthanide coordination compounds. Chemical Physics Letters, 2000, 331, 519-525.	2.6	43
121	Spectroscopic properties and design of highly luminescent lanthanide coordination complexes. Coordination Chemistry Reviews, 2000, 196, 165-195.	18.8	1,417
122	A theoretical calculation of vibronic coupling strength: the trend in the lanthanide ion series and the host-lattice dependence. Journal of Physics and Chemistry of Solids, 2000, 61, 1489-1498.	4.0	29
123	Design of ligands to obtain lanthanide ion complexes displaying high quantum efficiencies of luminescence using the sparkle model. Computational and Theoretical Chemistry, 2000, 527, 245-251.	1.5	30
124	Theoretical modelling of the low quantum yield observed in an Eu(III) triple helical complex with a tridentate aromatic ligand. Physical Chemistry Chemical Physics, 2000, 2, 5400-5403.	2.8	44
125	On the dependence of the luminescence intensity of rare-earth compounds with pressure: a theoretical study of Eu(TTF)32H2O in polymeric solution and crystalline phases. Chemical Physics Letters, 1999, 307, 518-526.	2.6	54
126	Luminescence of the films of europium (III) with thenoyltrifluoroacetonate and macrocyclics. Journal of Non-Crystalline Solids, 1999, 247, 129-133.	3.1	58

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127	Relationship between phenomenological crystal field parameters and the crystal structure: The simple overlap model. Physical Chemistry Chemical Physics, 1999, 1, 397-405.	2.8	117
128	Experimental and theoretical emission quantum yield in the compound Eu(thenoyltrifluoroacetonate)3.2(dibenzyl sulfoxide). Chemical Physics Letters, 1998, 282, 233-238.	2.6	197
129	A description of ligand field effects in the Di-mu-Azido-Bis [{Azido(N,N-Diethylethylenediamine)}Copper(II)] compound by the simple overlap model. Journal of the Brazilian Chemical Society, 1998, 9, 243-247.	0.6	4
130	Spectroscopic Study of the Interaction of Nd3+ with Amino Acids: Phenomenological 4f-4f Intensity Parameters. Journal of the Brazilian Chemical Society, 1998, 9, 487-493.	0.6	1
131	Uma metodologia para o projeto teÃ³rico de conversores moleculares de luz. Quimica Nova, 1998, 21, 51-59.	0.3	12
132	Excited state calculations of Europium(III) complexes. Journal of Alloys and Compounds, 1997, 250, 412-416.	5.5	20
133	Spectroscopic studies of the Eu(III) and Gd(III) tris(3-aminopyridine-2-carboxylic acid) complexes. Journal of Alloys and Compounds, 1997, 250, 417-421.	5.5	10
134	Calculation of the ligandâ€“lanthanide ion energy transfer rate in coordination compounds: contributions of exchange interactions. Journal of Alloys and Compounds, 1997, 250, 427-430.	5.5	81
135	Modeling Lanthanide Complexes: Towards the Theoretical Design of Light Conversion Molecular Devices. Molecular Engineering, 1997, 7, 293-308.	0.2	26
136	Ligandâ€"rare-earth ion energy transfer in coordination compounds. A theoretical approach. Journal of Luminescence, 1997, 71, 229-236.	3.1	163
137	Full-color simulation in a multi-doped glass and controlled quenching of luminescence using Er (III) as a suppressor for a tunable device. Journal of Luminescence, 1997, 72-74, 270-272.	3.1	12
138	Spectroscopic properties of a new light-converting device Eu(thenoyltrifluoroacetonate)3 2(dibenzyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Luminescence, 1997, 75, 255-268.	3.1	392
139	Intensity parameters of 4fâ€"4f transitions in the Eu(dipivaloylmethanate)3 1, 10-phenanthroline complex. Journal of Luminescence, 1996, 69, 77-84.	3.1	233
140	The theory of vibronic transitions in rare earth compounds. Journal of Physics and Chemistry of Solids, 1995, 56, 1053-1062.	4.0	40
141	Optical transition probabilities and compositional dependence of Judd-Ofelt parameters of Er3+ ions in fluoroindate glass. Journal of Alloys and Compounds, 1995, 227, 135-140.	5.5	47
142	The crystal field strength parameter and the maximum splitting of the 7F1 manifold of the Eu3+ ion in oxides. Journal of Alloys and Compounds, 1995, 228, 41-44.	5.5	94
143	Synthesis, spectroscopy and photophysical properties of mixed ligand complexes of europium(III) and terbium(III). Journal of Alloys and Compounds, 1994, 207-208, 457-460.	5.5	37
144	Analysis of the fluorescence of the ion Eu3+ in fluoroborate glasses containing silver particles. Journal of Alloys and Compounds, 1992, 180, 215-221.	5.5	17

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145	Structural studies in lead fluorogermanate and fluorosilicate glasses. Journal of Alloys and Compounds, 1992, 180, 117-124.	5.5	4
146	Theoretical intensities of 4f-4f transitions between stark levels of the Eu3+ ion in crystals. Journal of Physics and Chemistry of Solids, 1991, 52, 587-593.	4.0	112
147	Theoretical analysis of the fluorescence yield of rare earth ions in glasses containing small metallic particles. Chemical Physics Letters, 1990, 174, 13-18.	2.6	130
148	Optical studies and microstructure of Eu3+-doped fluoroborate glasses containing silver particles. Journal of the Less Common Metals, 1989, 148, 387-391.	0.8	14
149	Far-infrared absorption by small metallic particles in a spherical oscillator well. Chemical Physics Letters, 1987, 134, 485-490.	2.6	2
150	Up-conversion yield in glass ceramics containing silver. Journal of Solid State Chemistry, 1987, 68, 314-319.	2.9	27
151	Raman scattering by small metallic particles in amorphous media. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 125, 80-82.	2.1	0
152	Up-conversion in YAG:Pr3+. Chemical Physics Letters, 1986, 129, 557-561.	2.6	41
153	Energy transfer between molecules and small metallic particles. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 114, 195-197.	2.1	19
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