Rute A S Ferreira

List of Publications by Year
in descending order

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357 papers	14,125 citations	20797 60 h-index	31818 101 g-index
371 all docs	371 docs citations	371 times ranked	11222 citing authors

#	Article	IF	Citations
1	Lanthanideâ€Containing Lightâ€Emitting Organicâ€“Inorganic Hybrids: A Bet on the Future. Advanced Materials, 2009, 21, 509-534.	11.1	850
2	Progress on lanthanide-based organicâ€“inorganic hybrid phosphors. Chemical Society Reviews, 2011, 40, 536-549.	18.7	527
3	Ratiometric Nanothermometer Based on an Emissive Ln³⁺-Organic Framework. ACS Nano, 2013, 7, 7213-7218.	7.3	335
4	Full-Color Phosphors from Europium(III)-Based Organosilicates. Advanced Materials, 2000, 12, 594-598.	11.1	313
5	White-Light Emission of Amine-Functionalized Organic/Inorganic Hybrids:â€‰ Emitting Centers and Recombination Mechanisms. Journal of Physical Chemistry B, 2004, 108, 14924-14932.	1.2	234
6	Novel Lanthanide Luminescent Materials Based on Complexes of 3-Hydroxypicolinic Acid and Silica Nanoparticles. Chemistry of Materials, 2003, 15, 100-108.	3.2	227
7	Recent advances in luminescent lanthanide based Single-Molecule Magnets. Coordination Chemistry Reviews, 2018, 363, 57-70.	9.5	226
8	A Highâ€Temperature Molecular Ferroelectric Zn/Dy Complex Exhibiting Singleâ€Ionâ€Magnet Behavior and Lanthanide Luminescence. Angewandte Chemie - International Edition, 2015, 54, 2236-2240.	7.2	220
9	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.	1.5	197
10	Upconverting Nanoparticles Working As Primary Thermometers In Different Media. Journal of Physical Chemistry C, 2017, 121, 13962-13968.	1.5	181
11	Energy-Transfer Mechanisms and Emission Quantum Yields In Eu3+-Based Siloxane-Poly(oxyethylene) Nanohybrids. Chemistry of Materials, 2001, 13, 2991-2998.	3.2	178
12	Highly Luminescent Tris(Î²-diketonate)europium(III) Complexes Immobilized in a Functionalized Mesoporous Silica. Chemistry of Materials, 2005, 17, 5077-5084.	3.2	172
13	A bifunctional luminescent single-ion magnet: towards correlation between luminescence studies and magnetic slow relaxation processes. Chemical Communications, 2012, 48, 9974.	2.2	171
14	Highly Photostable Luminescent Poly(Îµ-caprolactone)siloxane Biohybrids Doped with Europium Complexes. Chemistry of Materials, 2007, 19, 3892-3901.	3.2	164
15	Interconvertable Modular Framework and Layered Lanthanide(III)-Etidronic Acid Coordination Polymers. Journal of the American Chemical Society, 2008, 130, 150-167.	6.6	153
16	Luminescent solar concentrators: challenges for lanthanide-based organicâ€“inorganic hybrid materials. Journal of Materials Chemistry A, 2014, 2, 5580-5596.	5.2	150
17	Efficient and tuneable photoluminescent boehmite hybrid nanoplates lacking metal activator centres for single-phase white LEDs. Nature Communications, 2014, 5, 5702.	5.8	146
18	Optically Functional Di-Urethanesil Nanohybrids Containing Eu3+ Ions. Chemistry of Materials, 2004, 16, 2530-2543.	3.2	140

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19	Highly-sensitive Eu³⁺ ratiometric thermometers based on excited state absorption with predictable calibration. Nanoscale, 2016, 8, 5327-5333.	2.8	136
20	Luminescent and Magnetic Cyano-Bridged Coordination Polymers Containing 4dâ^'4f Ions: Toward Multifunctional Materials. Inorganic Chemistry, 2009, 48, 5983-5995.	1.9	134
21	A Luminescent and Magnetic Cyano-Bridged Tb³⁺â^'Mo⁵⁺ Coordination Polymer:â€‰ toward Multifunctional Materials. Inorganic Chemistry, 2008, 47, 775-777.	1.9	128
22	Spectroscopic Study of a UV-Photostable Organic-Inorganic Hybrids Incorporating an Eu3+ Î²-Diketonate Complex. ChemPhysChem, 2006, 7, 735-746.	1.0	127
23	Electrospun nanosized cellulose fibers using ionic liquids at room temperature. Green Chemistry, 2011, 13, 3173.	4.6	124
24	Functional nanostructured chitosanâ€“siloxane hybrids. Journal of Materials Chemistry, 2005, 15, 3952.	6.7	123
25	Room temperature magnetoelectric coupling in a molecular ferroelectric ytterbium(III) complex. Science, 2020, 367, 671-676.	6.0	114
26	Photoluminescent 3D Lanthanideâ^'Organic Frameworks with 2,5-Pyridinedicarboxylic and 1,4-Phenylenediacetic Acids. Crystal Growth and Design, 2008, 8, 2505-2516.	1.4	112
27	Optical Fiber Relative Humidity Sensor Based on a FBG with a Di-Ureasil Coating. Sensors, 2012, 12, 8847-8860.	2.1	105
28	Breakdown into nanoscale of graphene oxide: Confined hot spot atomic reduction and fragmentation. Scientific Reports, 2014, 4, 6735.	1.6	105
29	Nanoscopic Photoluminescence Memory as a Fingerprint of Complexity in Self-Assembled Alkyl/Siloxane Hybrids. Advanced Materials, 2007, 19, 341-348.	11.1	101
30	Photoluminescence and Quantum Yields of Urea and Urethane Cross-Linked Nanohybrids Derived from Carboxylic Acid Solvolysis. Chemistry of Materials, 2004, 16, 1507-1516.	3.2	100
31	Photoâ€“Click Chemistry to Design Highly Efficient Lanthanide Î²-Diketonate Complexes Stable under UV Irradiation. Chemistry of Materials, 2013, 25, 586-598.	3.2	96
32	Thermal Properties of Lipid Bilayers Determined Using Upconversion Nanothermometry. Advanced Functional Materials, 2019, 29, 1905474.	7.8	96
33	Engineering highly efficient Eu(iii)-based tri-ureasil hybrids toward luminescent solar concentrators. Journal of Materials Chemistry A, 2013, 1, 7339.	5.2	95
34	Photoluminescent Lanthanide-Organic Bilayer Networks with 2,3-Pyrazinedicarboxylate and Oxalate. Inorganic Chemistry, 2010, 49, 3428-3440.	1.9	94
35	Photoluminescence and lattice location of Eu and Pr implanted GaN samples. Physica B: Condensed Matter, 2001, 308-310, 22-25.	1.3	91
36	Immobilization of Lanthanide Ions in a Pillared Layered Double Hydroxide. Chemistry of Materials, 2005, 17, 5803-5809.	3.2	89

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37	Citric Acid-Assisted Hydrothermal Synthesis of Luminescent TbPO4:Eu Nanocrystals: Controlled Morphology and Tunable Emission. Journal of Physical Chemistry C, 2008, 112, 18815-18820.	1.5	87
38	A cryogenic luminescent ratiometric thermometer based on a lanthanide phosphonate dimer. Journal of Materials Chemistry C, 2015, 3, 8480-8484.	2.7	87
39	Structureâ€“photoluminescence relationship in Eu(iii) Î²-diketonate-based organicâ€“inorganic hybrids. Influence of the synthesis method: carboxylic acid solvolysis versus conventional hydrolysis. Journal of Materials Chemistry, 2005, 15, 3117.	6.7	86
40	Structural and Photoluminescence Studies of a Europium(III) Tetrakis(Î²-diketonate) Complex with Tetrabutylammonium, Imidazolium, Pyridinium and Silica-Supported Imidazolium Counterions. Inorganic Chemistry, 2009, 48, 4882-4895.	1.9	86
41	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.	1.5	84
42	A layered erbium phosphonate in pseudo-D5h symmetry exhibiting field-tunable magnetic relaxation and optical correlation. Chemical Communications, 2014, 50, 7621.	2.2	83
43	Spectral converters for photovoltaics â€“ Whatâ€™s ahead. Materials Today, 2020, 33, 105-121.	8.3	83
44	Modulating the Photoluminescence of Bridged Silsesquioxanes Incorporating Eu³⁺-Complexed n,nâ€²-Diureido-2,2â€²-bipyridine Isomers: Application for Luminescent Solar Concentrators. Chemistry of Materials, 2011, 23, 4773-4782.	3.2	82
45	Investigation of europium(III) and gadolinium(III) complexes with naphthoyltrifluoroacetone and bidentate heterocyclic amines. Journal of Luminescence, 2005, 113, 50-63.	1.5	78
46	Eu³⁺-Based Bridged Silsesquioxanes for Transparent Luminescent Solar Concentrators. ACS Applied Materials & Interfaces, 2015, 7, 8770-8778.	4.0	78
47	Synthesis, characterization and optical studies on lanthanide-doped CdS quantum dots: new insights on CdS â† ' lanthanide energy transfer mechanisms. Journal of Materials Chemistry, 2011, 21, 1162-1170.	6.7	77
48	Organicâ€“inorganic hybrid materials towards passive and active architectures for the next generation of optical networks. Optical Materials, 2010, 32, 1397-1409.	1.7	76
49	Lanthanide-Based Lamellar Nanohybrids:Â Synthesis, Structural Characterization, and Optical Properties. Chemistry of Materials, 2006, 18, 4493-4499.	3.2	74
50	White OLED based on a temperature sensitive Eu3+/Tb3+ Î²-diketonate complex. Organic Electronics, 2014, 15, 798-808.	1.4	74
51	High-efficiency luminescent solar concentrators for flexible waveguiding photovoltaics. Solar Energy Materials and Solar Cells, 2015, 138, 51-57.	3.0	74
52	Luminescence Thermometry on the Route of the Mobileâ€Based Internet of Things (IoT): How Smart QR Codes Make It Real. Advanced Science, 2019, 6, 1900950.	5.6	74
53	Recovery of phycobiliproteins from the red macroalga Gracilaria sp. using ionic liquid aqueous solutions. Green Chemistry, 2016, 18, 4287-4296.	4.6	71
54	Energy Transfer and Emission Quantum Yields of Organicâ^'Inorganic Hybrids Lacking Metal Activator Centers. Journal of Physical Chemistry C, 2007, 111, 3275-3284.	1.5	70

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55	Synthesis, Characterization, and Luminescence of Î²-Cyclodextrin Inclusion Compounds Containing Europium(III) and Gadolinium(III) Tris(Î²-diketonates). Journal of Physical Chemistry B, 2002, 106, 11430-11437.	1.2	65
56	High-Performance Near-Infrared Luminescent Solar Concentrators. ACS Applied Materials & Interfaces, 2017, 9, 12540-12546.	4.0	64
57	Series of Metal Organic Frameworks Assembled from Ln(III), Na(I), and Chiral Flexible-Achiral Rigid Dicarboxylates Exhibiting Tunable UVâ€“visâ€“IR Light Emission. Inorganic Chemistry, 2012, 51, 1703-1716.	1.9	63
58	Effects of Phonon Confinement on Anomalous Thermalization, Energy Transfer, and Upconversion in Ln³⁺â€Doped Gd₂O₃ Nanotubes. Advanced Functional Materials, 2010, 20, 624-634.	7.8	62
59	Photoluminescence of Eu(iii)-doped lamellar bridged silsesquioxanes self-templated through a hydrogen bonding array. Journal of Materials Chemistry, 2008, 18, 4172.	6.7	61
60	Calix[4]azacrowns as Novel Molecular Scaffolds for the Generation of Visible and Near-Infrared Lanthanide Luminescence. Inorganic Chemistry, 2006, 45, 2652-2660.	1.9	60
61	Novel Near-Infrared Luminescent Hybrid Materials Covalently Linking with Lanthanide [Nd(III), Er(III), Yb(III), and Sm(III)] Complexes via a Primary Î²-Diketone Ligand: Synthesis and Photophysical Studies. Journal of Physical Chemistry C, 2009, 113, 12538-12545.	1.5	60
62	Ligand-Assisted Rational Design and Supramolecular Tectonics toward Highly Luminescent Eu³⁺-Containing Organicâ~Inorganic Hybrids. Chemistry of Materials, 2009, 21, 5099-5111.	3.2	58
63	Luminescent Polyoxotungstoeuropate Anion-Pillared Layered Double Hydroxides. European Journal of Inorganic Chemistry, 2006, 2006, 726-734.	1.0	56
64	Lanthanopolyoxotungstates in silica nanoparticles: multi-wavelength photoluminescent core/shell materials. Journal of Materials Chemistry, 2010, 20, 3313.	6.7	56
65	Lanthanide phosphonates with pseudo-D_{5h} local symmetry exhibiting magnetic and luminescence bifunctional properties. Inorganic Chemistry Frontiers, 2015, 2, 558-566.	3.0	56
66	Sensing Structure Based on Surface Plasmon Resonance in Chemically Etched Single Mode Optical Fibres. Plasmonics, 2015, 10, 319-327.	1.8	56
67	Spectroscopic Studies of Europium(III) and Gadolinium(III) Tris-Î²-diketonate Complexes with Diazabutadiene Ligands. European Journal of Inorganic Chemistry, 2004, 2004, 3913-3919.	1.0	55
68	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.	1.7	54
69	Optical studies of ZnO nanocrystals doped with Eu3+ ions. Applied Physics A: Materials Science and Processing, 2007, 88, 129-133.	1.1	53
70	Planar and UV written channel optical waveguides prepared with siloxaneâ€“poly(oxyethylene)â€“zirconia organicâ€“inorganic hybrids. Structure and optical properties. Journal of Materials Chemistry, 2005, 15, 3937.	6.7	52
71	Local Structure and Near-Infrared Emission Features of Neodymium-Based Amine Functionalized Organic/Inorganic Hybrids. Journal of Physical Chemistry B, 2005, 109, 20093-20104.	1.2	52
72	Novel polymer electrolytes based on gelatin and ionic liquids. Optical Materials, 2012, 35, 187-195.	1.7	51

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73	Scale up the collection area of luminescent solar concentrators towards metreâ€length flexible waveguiding photovoltaics. Progress in Photovoltaics: Research and Applications, 2016, 24, 1178-1193.	4.4	51
74	Relative humidity sensing using micro-cavities produced by the catastrophic fuse effect. Optical and Quantum Electronics, 2016, 48, 1.	1.5	51
75	Structural modelling of Eu3+-based siloxaneâ€“poly(oxyethylene) nanohybrids. Journal of Materials Chemistry, 2001, 11, 3249-3257.	6.7	50
76	Nanoscale coordination polymers exhibiting luminescence properties and NMR relaxivity. Nanoscale, 2011, 3, 1200.	2.8	50
77	Hydrothermal Synthesis, Structural Investigation, Photoluminescence Features, and Emission Quantum Yield of Eu and Euâ^'Gd Silicates with Apatite-Type Structure. Chemistry of Materials, 2006, 18, 5958-5964.	3.2	49
78	Photonicâ€onâ€aâ€chip: a thermal actuated Machâ€Zehnder interferometer and a molecular thermometer based on a single diâ€ureasil organicâ€inorganic hybrid. Laser and Photonics Reviews, 2013, 7, 1027-1035.	4.4	49
79	Surface Roughness Investigation in the Hard Turning of Steel Using Ceramic Tools. Materials and Manufacturing Processes, 2016, 31, 648-652.	2.7	49
80	Cadmiumâ€“Furandicarboxylate Coordination Polymers Prepared with Different Types of Pyridyl Linkers: Synthesis, Divergent Dimensionalities, and Luminescence Study. Crystal Growth and Design, 2013, 13, 5272-5281.	1.4	48
81	Lanthanide salen-type complexes exhibiting single ion magnet and photoluminescent properties. Dalton Transactions, 2016, 45, 2974-2982.	1.6	47
82	Photoluminescent Porous Alginate Hybrid Materials Containing Lanthanide Ions. Biomacromolecules, 2008, 9, 1945-1950.	2.6	46
83	Color tunability of intense upconversion emission from Er3+â€“Yb3+ co-doped SiO2â€“Ta2O5 glass ceramic planar waveguides. Journal of Materials Chemistry, 2012, 22, 9901.	6.7	45
84	Nano-titania doped with europium and neodymium showing simultaneous photoluminescent and photocatalytic behaviour. Journal of Materials Chemistry C, 2015, 3, 4970-4986.	2.7	45
85	Photopatternable Di-ureasilâ^'Zirconium Oxocluster Organicâ^'Inorganic Hybrids As Cost Effective Integrated Optical Substrates. Chemistry of Materials, 2008, 20, 3696-3705.	3.2	44
86	Lanthanopolyoxometalates as Building Blocks for Multiwavelength Photoluminescent Organicâ€“Inorganic Hybrid Materials. European Journal of Inorganic Chemistry, 2009, 2009, 5088-5095.	1.0	44
87	Synthesis and study of Prussian blue type nanoparticles in an alginate matrix. Journal of Materials Chemistry, 2012, 22, 20232.	6.7	44
88	Multi-wavelength europium-based hybrid phosphors. Journal of Non-Crystalline Solids, 1999, 247, 203-208.	1.5	43
89	Structure and photoluminescent features of di-amide cross-linked alkyleneâ€“siloxane hybrids. Journal of Materials Chemistry, 2005, 15, 3876.	6.7	42
90	Multiwavelength Luminescence in Lanthanide-Doped Hydrocalumite and Mayenite. Chemistry of Materials, 2011, 23, 1993-2004.	3.2	42

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91	Oneâ€Step Synthesis and Optical Properties of Benzoateâ€and Biphenolateâ€Capped ZrO₂ Nanoparticles. Advanced Functional Materials, 2012, 22, 4275-4283.	7.8	42
92	Blue-light excitable La2Ce2O7:Eu3+ red phosphors for white light-emitting diodes. Journal of Alloys and Compounds, 2020, 814, 152226.	2.8	42
93	Encapsulation of copper(II) complexes with pentadentate N3O2 Schiff base ligands derived from acetylacetone in NaX zeolite. Microporous and Mesoporous Materials, 2000, 38, 391-401.	2.2	41
94	Zirconium organophosphonates as photoactive and hydrophobic host materials for sensitized luminescence of Eu(iii), Tb(iii), Sm(iii) and Dy(iii). New Journal of Chemistry, 2004, 28, 1506-1513.	1.4	41
95	Synthesis, Characterisation and Luminescent Properties of Lanthanideâ€Organic Polymers with Picolinic and Glutaric Acids. European Journal of Inorganic Chemistry, 2007, 2007, 4238-4246.	1.0	41
96	Bifunctional Mixed-Lanthanide Cyano-Bridged Coordination Polymers Ln0.5Lnâ€²0.5(H2O)5[W(CN)8] (Ln/Lnâ€²) Tj ETQq0 0 0 rgBT /Ov	1.9	41
97	Primary Luminescent Nanothermometers for Temperature Measurements Reliability Assessment. Advanced Photonics Research, 2021, 2, 2000169.	1.7	41
98	Placing a crown on Dy^{III} â€“ a dual property Ln^{III} crown ether complex displaying optical properties and SMM behaviour. Journal of Materials Chemistry C, 2015, 3, 7738-7747.	2.7	40
99	Solâ€“gel derived nanocomposite hybrids for full colour displays. Journal of Luminescence, 2000, 87-89, 702-705.	1.5	39
100	Lanthanide complexes of 2-hydroxynicotinic acid: synthesis, luminescence properties and the crystal structures of [Ln(HnicO)2(Î¼-HnicO)(H2O)]Â·nH2O (Ln=Tb, Eu). Polyhedron, 2003, 22, 3529-3539.	1.0	39
101	Synthesis, characterisation and luminescence properties of MCM-41 impregnated with an Eu3+ Î²-diketonate complex. Microporous and Mesoporous Materials, 2008, 113, 453-462.	2.2	39
102	Rationalizing the Thermal Response of Dualâ€Center Molecular Thermometers: The Example of an Eu/Tb Coordination Complex. Advanced Optical Materials, 2022, 10, .	3.6	39
103	Photoluminescent Porous Modular Lanthanideâ€“Vanadiumâ€“Organic Frameworks. European Journal of Inorganic Chemistry, 2009, 2009, 4931-4945.	1.0	38
104	Sustainable luminescent solar concentrators based on organicâ€“inorganic hybrids modified with chlorophyll. Journal of Materials Chemistry A, 2018, 6, 8712-8723.	5.2	38
105	Photoluminescent Rare-Earth Based Biphenolate Lamellar Nanostructures. Journal of Physical Chemistry C, 2007, 111, 2539-2544.	1.5	37
106	Highly emissive Znâ€“Ln metalâ€“organic frameworks with an unusual 3D inorganic subnetwork. Chemical Communications, 2012, 48, 7964.	2.2	37
107	Field-induced slow magnetic relaxation and luminescence thermometry in a mononuclear ytterbium complex. Inorganic Chemistry Frontiers, 2020, 7, 3019-3029.	3.0	37
108	Transparent Luminescent Solar Concentrators Using Ln3+-Based Ionosilicas Towards Photovoltaic Windows. Energies, 2019, 12, 451.	1.6	37

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109	Eu3+-Assisted Short-Range Ordering of Photoluminescent Bridged Silsesquioxanes. Chemistry of Materials, 2010, 22, 3599-3609.	3.2	36
110	Self-Structuring of Lamellar Bridged Silsesquioxanes with Long Side Spacers. Journal of Physical Chemistry B, 2011, 115, 10877-10891.	1.2	36
111	Magneto-Luminescence Correlation in the Textbook Dysprosium(III) Nitrate Single-Ion Magnet. Magnetochemistry, 2016, 2, 41.	1.0	36
112	Photoluminescent, transparent and flexible di-ureasil hybrids containing CdSe/ZnS quantum dots. Nanotechnology, 2008, 19, 155601.	1.3	35
113	Dual role of a di-urethanesil hybrid doped with europium Î²-diketonate complexes containing either waterligands or a bulky chelating ligand. Journal of Materials Chemistry, 2009, 19, 733-742.	6.7	35
114	Water-mediated structural tunability of an alkyl/siloxane hybrid: from amorphous material to lamellar structure or bilamellar superstructure. RSC Advances, 2012, 2, 2087.	1.7	35
115	Luminescent coatings from bipyridine-based bridged silsesquioxanes containing Eu3+ and Tb3+ salts. Journal of Materials Chemistry, 2012, 22, 13279.	6.7	35
116	Influence of the Matrix on the Red Emission in Europium Self-Activated Orthoceramics. Journal of Physical Chemistry C, 2015, 119, 17825-17835.	1.5	35
117	Solar spectral conversion based on plastic films of lanthanide-doped ionosilicas for photovoltaics: Down-shifting layers and luminescent solar concentrators. Journal of Rare Earths, 2020, 38, 531-538.	2.5	35
118	Modeling the emission red-shift in amorphous semiconductors and in organic-inorganic hybrids using extended multiple trapping. European Physical Journal B, 2006, 50, 371-378.	0.6	34
119	Intriguing light-emission features of ketoprofen-based Eu(III) adduct due to a strong electronâ€“phonon coupling. Journal of Luminescence, 2016, 170, 357-363.	1.5	34
120	Solâ€“gel-derived potassium-based di-ureasils for â€œsmart windowsâ€• Journal of Materials Chemistry, 2007, 17, 4239.	6.7	33
121	Catalytic Performance of Ceria Nanorods in Liquid-Phase Oxidations of Hydrocarbons with tert-Butyl Hydroperoxide. Molecules, 2010, 15, 747-765.	1.7	33
122	Synthesis, Texture, and Photoluminescence of Lanthanide-Containing Chitosanâ^'Silica Hybrids. Journal of Physical Chemistry B, 2010, 114, 77-83.	1.2	33
123	Seven-Coordinate Tb³⁺ Complexes with 90% Quantum Yields: High-Performance Examples of Combined Singlet- and Triplet-to-Tb³⁺ Energy-Transfer Pathways. Inorganic Chemistry, 2021, 60, 892-907.	1.9	33
124	Photoluminescence and quantum yields of organic/inorganic hybrids prepared through formic acid solvolysis. Optical Materials, 2008, 30, 1058-1064.	1.7	32
125	Multi-objective genetic algorithm applied to spectroscopic ellipsometry of organic-inorganic hybrid planar waveguides. Optics Express, 2010, 18, 16580.	1.7	32
126	Boosting the Emission Quantum Yield of Urea Cross-Linked Tripodal Poly(oxypropylene)/Siloxane Hybrids Through the Variation of Catalyst Concentration. European Journal of Inorganic Chemistry, 2012, 2012, 5390-5395.	1.0	32

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127	Largeâ€Area Tunable Visibleâ€toâ€Nearâ€Infrared Luminescent Solar Concentrators. Advanced Sustainable Systems, 2018, 2, 1800002.	2.7	32
128	High-Quantum-Yield Upconverting Er³⁺/Yb³⁺-Organicâ€“Inorganic Hybrid Dual Coatings for Real-Time Temperature Sensing and Photothermal Conversion. Journal of Physical Chemistry C, 2020, 124, 19892-19903.	1.5	32
129	Super modules-based active QR codes for smart trackability and IoT: a responsive-banknotes case study. Npj Flexible Electronics, 2020, 4, .	5.1	32
130	Coordination modes of pyridine-carboxylic acid derivatives in samarium (III) complexes. Polyhedron, 2006, 25, 2471-2482.	1.0	31
131	Optical Properties of Lanthanide-Doped Lamellar Nanohybrids. ChemPhysChem, 2006, 7, 2215-2222.	1.0	31
132	Liquid Hydrostatic Pressure Optical Sensor Based on Micro-Cavity Produced by the Catastrophic Fuse Effect. IEEE Sensors Journal, 2015, 15, 5654-5658.	2.4	31
133	Engineering of metal-free bipyridine-based bridged silsesquioxanes for sustainable solid-state lighting. Journal of Materials Chemistry, 2012, 22, 6711.	6.7	30
134	[INVITED] Luminescent QR codes for smart labelling and sensing. Optics and Laser Technology, 2018, 101, 304-311.	2.2	30
135	Sustainable Liquid Luminescent Solar Concentrators. Advanced Sustainable Systems, 2019, 3, 1800134.	2.7	30
136	Sol-gel derived Li+-doped poly(Îµ-caprolactone)/siloxane biohybrid electrolytes. Journal of Solid State Electrochemistry, 2006, 10, 203-210.	1.2	29
137	Crystal structure and photoluminescence properties of lanthanide diphosphonates. Journal of Materials Chemistry, 2007, 17, 3696.	6.7	29
138	A study of the distribution of chitosan onto and within a paper sheet using a fluorescent chitosan derivative. Carbohydrate Polymers, 2009, 78, 760-766.	5.1	29
139	Real time random laser properties of Rhodamine-doped di-ureasil hybrids. Optics Express, 2010, 18, 7470.	1.7	29
140	A New Generation of Primary Luminescent Thermometers Based on Silicon Nanoparticles and Operating in Different Media. Particle and Particle Systems Characterization, 2016, 33, 740-748.	1.2	29
141	Morphological and conductivity studies of di-ureasil xerogels containing lithium triflate. Electrochimica Acta, 2002, 47, 2421-2428.	2.6	28
142	Near-Infrared Luminescent and Magnetic Cyano-Bridged Coordination Polymers Nd(phen)n(DMF)m[M(CN)8] (M = Mo, W). Inorganic Chemistry, 2011, 50, 9924-9926.	1.9	28
143	Observation of fuse effect discharge zone nonlinear velocity regime in erbium-doped fibres. Electronics Letters, 2012, 48, 1295.	0.5	28
144	Photoluminescent lamellar bilayer mono-alkyl-urethanesils. Journal of Sol-Gel Science and Technology, 2013, 65, 61-73.	1.1	28

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145	mOptical Sensing for the Internet of Things: A Smartphoneâ€Controlled Platform for Temperature Monitoring. Advanced Photonics Research, 2021, 2, 2000211.	1.7	28
146	Modeling of the emission red-shift in organicâ€“inorganic di-ureasil hybrids. Journal of Non-Crystalline Solids, 2006, 352, 1225-1229.	1.5	27
147	Er³⁺-Based Diureasil Organicâ^'Inorganic Hybrids. Journal of Physical Chemistry C, 2008, 112, 19346-19352.	1.5	27
148	A cost-effective quantum yield measurement setup for upconverting nanoparticles. Journal of Luminescence, 2017, 189, 64-70.	1.5	27
149	Sustainable Dual-Mode Smart Windows for Energy-Efficient Buildings. ACS Applied Energy Materials, 2019, 2, 1951-1960.	2.5	27
150	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.	1.2	26
151	Î²-Cyclodextrin inclusion of europium(III) tris(Î²-diketonate)-bipyridine. Polyhedron, 2006, 25, 1471-1476.	1.0	26
152	Photoluminescent Layered Lanthanide Silicate Nanoparticles. Chemistry of Materials, 2008, 20, 205-212.	3.2	26
153	Photoluminescent polymer electrolyte based on agar and containing europium picrate for electrochemical devices. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 488-493.	1.7	25
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