

Rute A S Ferreira

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

331
papers

11,854
citations

56
h-index

94
g-index

371
ext. papers

13,120
ext. citations

5.3
avg, IF

6.28
L-index

#	Paper	IF	Citations
331	3D sub-cellular localization of upconverting nanoparticles through hyperspectral microscopy. <i>Physica B: Condensed Matter</i> , 2022 , 626, 413470	2.8	1
330	Walsh-coded orthogonal chaotic shift keying for key distribution in visible light communication systems. <i>Optics Communications</i> , 2022 , 505, 127538	2	
329	Lanthanides for the new generation of optical sensing and Internet of Things. <i>Fundamental Theories of Physics</i> , 2022 ,	0.8	3
328	Smart Optical Sensors for Internet of Things: Integration of Temperature Monitoring and Customized Security Physical Unclonable Functions. <i>IEEE Access</i> , 2022 , 10, 24433-24443	3.5	1
327	Bio-Based Solar Energy Harvesting for Onsite Mobile Optical Temperature Sensing in Smart Cities.. <i>Advanced Science</i> , 2022 , e2104801	13.6	3
326	A perspective on sustainable luminescent solar concentrators. <i>Journal of Applied Physics</i> , 2022 , 131, 140901	0.1	3
325	Luminescent thermometry based on Er ³⁺ /Yb ³⁺ co-doped yttrium niobate with high NIR emission and NIR-to-visible upconversion quantum yields. <i>Journal of Luminescence</i> , 2022 , 118986	3.8	1
324	Lanthanide Emission for Solar Spectral Converters: An Energy Transfer Viewpoint. <i>Springer Series on Fluorescence</i> , 2021 , 1	0.5	
323	Synchronous Temperature and Magnetic Field Dual-Sensing by Luminescence in a Dysprosium Single-Molecule Magnet. <i>Advanced Optical Materials</i> , 2021 , 9, 2101495	8.1	3
322	Primary Luminescent Nanothermometers for Temperature Measurements Reliability Assessment. <i>Advanced Photonics Research</i> , 2021 , 2, 2000169	1.9	14
321	Cellulose Based Photonic Materials Displaying Direction Modulated Photoluminescence. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 617328	5.8	
320	Ultraviolet-Filtering Luminescent Transparent Coatings for High-Performance PTB7-Th:ITICBased Organic Solar Cells. <i>Frontiers in Nanotechnology</i> , 2021 , 3,	5.5	2
319	mOptical Sensing for the Internet of Things: A Smartphone-Controlled Platform for Temperature Monitoring. <i>Advanced Photonics Research</i> , 2021 , 2, 2000211	1.9	15
318	Seven-Coordinate Tb Complexes with 90% Quantum Yields: High-Performance Examples of Combined Singlet- and Triplet-to-Tb Energy-Transfer Pathways. <i>Inorganic Chemistry</i> , 2021 , 60, 892-907	5.1	9
317	A new series of 3D lanthanide phenoxycarboxylates: synthesis, crystal structure, magnetism and photoluminescence studies. <i>CrystEngComm</i> , 2021 , 23, 4143-4151	3.3	4
316	(INVITED) JOYSpectra: A web platform for luminescence of lanthanides. <i>Optical Materials: X</i> , 2021 , 11, 100080	1.7	3
315	In vitro assays and nanothermometry studies of infrared-to-visible upconversion of nanocrystalline Er ³⁺ ,Yb ³⁺ co-doped Y ₂ O ₃ nanoparticles for theranostic applications. <i>Physica B: Condensed Matter</i> , 2021 , 624, 413447	2.8	1

314	High Eu concentration quenching in YTaO solid solution for orange-reddish emission in photonics.. <i>RSC Advances</i> , 2020 , 10, 16917-16927	3.7	3
313	Eu(II)-Activated Silicates for UV Light-Emitting Diodes Tuning into Warm White Light. <i>Advanced Engineering Materials</i> , 2020 , 22, 2000422	3.5	1
312	Silicon Nanoparticle Films Infilled with Al ₂ O ₃ Using Atomic Layer Deposition for Photosensor, Light Emission, and Photovoltaic Applications. <i>ACS Applied Nano Materials</i> , 2020 , 3, 5033-5044	5.6	3
311	Instantaneous fibrillation of egg white proteome with ionic liquid and macromolecular crowding. <i>Communications Materials</i> , 2020 , 1,	6	5
310	Environmentally friendly luminescent solar concentrators based on an optically efficient and stable green fluorescent protein. <i>Green Chemistry</i> , 2020 , 22, 4943-4951	10	15
309	One-Minute Synthesis of Size-Controlled Fucoidan-Gold Nanosystems: Antitumoral Activity and Dark Field Imaging. <i>Materials</i> , 2020 , 13,	3.5	4
308	Super modules-based active QR codes for smart trackability and IoT: a responsive-banknotes case study. <i>Npj Flexible Electronics</i> , 2020 , 4,	10.7	22
307	Green photonics integrated circuits based on organic/inorganic hybrids 2020 , 229-266		
306	Solar spectral conversion based on plastic films of lanthanide-doped ionosilicas for photovoltaics: Down-shifting layers and luminescent solar concentrators. <i>Journal of Rare Earths</i> , 2020 , 38, 531-538	3.7	20
305	Room temperature magnetoelectric coupling in a molecular ferroelectric ytterbium(III) complex. <i>Science</i> , 2020 , 367, 671-676	33.3	52
304	Efficient Visible-Light-Excitable Eu ³⁺ Complexes for Red Organic Light-Emitting Diodes. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 1260-1270	2.3	14
303	High Emission Quantum Yield Tb ³⁺ -Activated Organic-Inorganic Hybrids for UV-Down-Shifting Green Light-Emitting Diodes. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 1736-1742	2.3	2
302	Flexible Blue-Light Fiber Amplifiers to Improve Signal Coverage in Advanced Lighting Communication Systems. <i>Cell Reports Physical Science</i> , 2020 , 1, 100041	6.1	5
301	Flexible photoluminescent waveguide amplifiers to improve visible light communication platforms. <i>IET Optoelectronics</i> , 2020 , 14, 356-358	1.5	1
300	Photovoltaic spectral conversion materials: The role of sol-gel processing 2020 , 145-182		
299	Spectral converters for photovoltaics "What's ahead. <i>Materials Today</i> , 2020 , 33, 105-121	21.8	47
298	Efficient green-emitting Tb ³⁺ -doped di-ureasil coating phosphors for near-UV excited light-emitting diodes. <i>Journal of Luminescence</i> , 2020 , 219, 116910	3.8	13
297	Field-induced slow magnetic relaxation and luminescence thermometry in a mononuclear ytterbium complex. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3019-3029	6.8	22

296	Protein Cohabitation: Improving the Photochemical Stability of R-Phycoerythrin in the Solid State. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6249-6255	6.4	9
295	Phosphor-based green-emitting coatings for circadian lighting. <i>Journal of Luminescence</i> , 2020 , 224, 117298		3
294	Thermal properties of lipid bilayers derived from the transient heating regime of upconverting nanoparticles. <i>Nanoscale</i> , 2020 , 12, 24169-24176	7.7	7
293	Highly sensitive and precise optical temperature sensors based on new luminescent Tb ³⁺ /Eu ³⁺ tetrakis complexes with imidazolic counterions. <i>Materials Advances</i> , 2020 , 1, 1988-1995	3.3	13
292	Eu(II)-Activated Silicates for UV Light-Emitting Diodes Tuning into Warm White Light. <i>Advanced Engineering Materials</i> , 2020 , 22, 2070036	3.5	2
291	High-Quantum-Yield Upconverting Er ³⁺ /Yb ³⁺ -Organic/Inorganic Hybrid Dual Coatings for Real-Time Temperature Sensing and Photothermal Conversion. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 19892-19903	3.8	19
290	Red-Emitting Coatings for Multifunctional UV/Red Emitting LEDs Applied in Plant Circadian Rhythm Control. <i>ECS Journal of Solid State Science and Technology</i> , 2020 , 9, 016008	2	5
289	Blue-light excitable La ₂ Ce ₂ O ₇ :Eu ³⁺ red phosphors for white light-emitting diodes. <i>Journal of Alloys and Compounds</i> , 2020 , 814, 152226	5.7	24
288	Promoting a Significant Increase in the Photoluminescence Quantum Yield of Terbium(III) Complexes by Ligand Modification. <i>Inorganic Chemistry</i> , 2019 , 58, 12099-12111	5.1	8
287	Making Prussian blue analogues nanoparticles luminescent: effect of the luminophore confinement over the properties. <i>Nanoscale</i> , 2019 , 11, 7097-7101	7.7	6
286	Infrared and Raman spectroscopy of non-conventional hydrogen bonding between N,N'-disubstituted urea and thiourea groups: a combined experimental and theoretical investigation. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 3310-3317	3.6	12
285	Aggregation-induced heterogeneities in the emission of upconverting nanoparticles at the submicron scale unfolded by hyperspectral microscopy. <i>Nanoscale Advances</i> , 2019 , 1, 2537-2545	5.1	13
284	UV-converting blue-emitting polyfluorene-based organic-inorganic hybrids for solid state lighting. <i>Polymer</i> , 2019 , 174, 109-113	3.9	5
283	Synergy of Neodymium and Copper for Fast and Reversible Visible-light Promoted Photochromism, and Photocatalysis, in Cu/Nd-TiO ₂ Nanoparticles. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3237-3252	6.1	13
282	Green photonics integrated circuit for NGOA coherent receivers. <i>Optics and Laser Technology</i> , 2019 , 115, 222-228	4.2	1
281	Luminescent β -Carrageenan-Based Electrolytes Containing Neodymium Triflate. <i>Molecules</i> , 2019 , 24,	4.8	4
280	Sustainable Dual-Mode Smart Windows for Energy-Efficient Buildings. <i>ACS Applied Energy Materials</i> , 2019 , 2, 1951-1960	6.1	16
279	Luminescence Thermometry on the Route of the Mobile-Based Internet of Things (IoT): How Smart QR Codes Make It Real. <i>Advanced Science</i> , 2019 , 6, 1900950	13.6	44

278	Surface crystallization of ionic liquid crystals. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 17792-17800, 6	6
277	Thermal Properties of Lipid Bilayers Determined Using Upconversion Nanothermometry. <i>Advanced Functional Materials</i> , 2019 , 29, 1905474	15.6 59
276	Transparent Luminescent Solar Concentrators Using Ln ³⁺ -Based Ionosilicas Towards Photovoltaic Windows. <i>Energies</i> , 2019 , 12, 451	3.1 27
275	. <i>IEEE Sensors Journal</i> , 2019 , 19, 4882-4888	4 8
274	Chlorine-free, monolithic lanthanide series rare earth oxide aerogels via epoxide-assisted sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 89, 176-188	2.3 6
273	Sustainable Liquid Luminescent Solar Concentrators. <i>Advanced Sustainable Systems</i> , 2019 , 3, 1800134	5.9 22
272	Three-Mode Modulation Electrochromic Device with High Energy Efficiency for Windows of Buildings Located in Continental Climatic Regions. <i>Advanced Sustainable Systems</i> , 2019 , 3, 1800115	5.9 13
271	Sustainable luminescent solar concentrators based on organic/inorganic hybrids modified with chlorophyll. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8712-8723	13 28
270	A novel 3-D cuprous iodide polymer with a high Cu/I ratio. <i>Dalton Transactions</i> , 2018 , 47, 3253-3257	4.3 10
269	Efficient second harmonic generation by para-nitroaniline embedded in electro-spun polymeric nanofibres. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 105106	3 9
268	Recent advances in luminescent lanthanide based Single-Molecule Magnets. <i>Coordination Chemistry Reviews</i> , 2018 , 363, 57-70	23.2 169
267	Highly Efficient Luminescent Polycarboxylate Lanthanide Complexes Incorporated into Di-Ureasils by an In-Situ Sol-Gel Process. <i>Polymers</i> , 2018 , 10,	4.5 4
266	Large-Area Tunable Visible-to-Near-Infrared Luminescent Solar Concentrators. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1800002	5.9 21
265	Radiation-to-heat conversion efficiency in SrF ₂ :Yb ³⁺ /Er ³⁺ upconverting nanoparticles. <i>Optical Materials</i> , 2018 , 83, 1-6	3.3 5
264	[INVITED] Luminescent QR codes for smart labelling and sensing. <i>Optics and Laser Technology</i> , 2018 , 101, 304-311	4.2 20
263	White-Light Emitting Di-Ureasil Hybrids. <i>Materials</i> , 2018 , 11,	3.5 5
262	Luminescent Electrochromic Devices for Smart Windows of Energy-Efficient Buildings. <i>Energies</i> , 2018 , 11, 3513	3.1 10
261	Flexible Optical Amplifier for Visible-Light Communications Based on Organic-Inorganic Hybrids. <i>ACS Omega</i> , 2018 , 3, 13772-13781	3.9 13

260	Integrated Optical Mach-Zehnder Interferometer Based on Organic-Inorganic Hybrids for Photonics-on-a-Chip Biosensing Applications. <i>Sensors</i> , 2018 , 18,	3.8	13
259	Site-selective Eu(III) spectroscopy of highly efficient luminescent mixed-metal Pb(II)/Eu(III) coordination polymers. <i>RSC Advances</i> , 2017 , 7, 6093-6101	3.7	13
258	Effect of the Anodic Titania Layer Thickness on Electrodeposition of Zinc on Ti/TiO ₂ from Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2017 , 164, D88-D94	3.9	5
257	Structuring of Alkyl-Triazole Bridged Silsesquioxanes. <i>ChemistrySelect</i> , 2017 , 2, 432-442	1.8	6
256	Dual-Property Supramolecular H-Bonded 15-Crown-5 Ln(III) Chains: Joint Magneto-Luminescence and ab Initio Studies. <i>Inorganic Chemistry</i> , 2017 , 56, 7344-7353	5.1	17
255	Monitoring of nanoclay-protein adsorption isotherms via fluorescence techniques. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 157, 373-380	6	4
254	Upconverting Nanoparticles Working As Primary Thermometers In Different Media. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 13962-13968	3.8	138
253	A cost-effective quantum yield measurement setup for upconverting nanoparticles. <i>Journal of Luminescence</i> , 2017 , 189, 64-70	3.8	21
252	High-Performance Near-Infrared Luminescent Solar Concentrators. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12540-12546	9.5	51
251	Novel Highly Luminescent Amine-Functionalized Bridged Silsesquioxanes. <i>Frontiers in Chemistry</i> , 2017 , 5, 131	5	4
250	d-Poly(ϵ -caprolactone) (530)/siloxane biohybrid films doped with protic ionic liquids. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 799, 249-256	4.1	2
249	A novel near monochromatic red emissive europium(III) metal-organic framework based on 1,2,4,5-benzenetetracarboxylate: From synthesis to photoluminescence studies. <i>Journal of Solid State Chemistry</i> , 2017 , 253, 176-183	3.3	17
248	Performance assessment of a QPSK coherent demodulator based on organic-inorganic hybrids 2017 ,		1
247	Surface Roughness Investigation in the Hard Turning of Steel Using Ceramic Tools. <i>Materials and Manufacturing Processes</i> , 2016 , 31, 648-652	4.1	43
246	Fabrication and optical properties of thin films with sol-gel derived di-ureasils doped with Disperse Red 1. <i>Optical and Quantum Electronics</i> , 2016 , 48, 1	2.4	2
245	Encapsulation of a [Dy(OH ₂) ₈](3+) cation: magneto-optical and theoretical studies of a caged, emissive SMM. <i>Chemical Communications</i> , 2016 , 52, 11335-8	5.8	19
244	Study of the influence of magnetic dilution over relaxation processes in a Zn/Dy single-ion magnet by correlation between luminescence and magnetism. <i>RSC Advances</i> , 2016 , 6, 108810-108818	3.7	16
243	Highly-sensitive Eu(3+) ratiometric thermometers based on excited state absorption with predictable calibration. <i>Nanoscale</i> , 2016 , 8, 5327-33	7.7	104

242	Relative humidity sensing using micro-cavities produced by the catastrophic fuse effect. <i>Optical and Quantum Electronics</i> , 2016 , 48, 1	2.4	37
241	Intriguing light-emission features of ketoprofen-based Eu(III) adduct due to a strong electron-phonon coupling. <i>Journal of Luminescence</i> , 2016 , 170, 357-363	3.8	22
240	Lanthanide salen-type complexes exhibiting single ion magnet and photoluminescent properties. <i>Dalton Transactions</i> , 2016 , 45, 2974-82	4.3	43
239	Cost effective refractive index sensor based on optical fiber micro cavities produced by the catastrophic fuse effect. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016 , 77, 265-268	4.6	16
238	Magneto-Luminescence Correlation in the Textbook Dysprosium(III) Nitrate Single-Ion Magnet. <i>Magnetochemistry</i> , 2016 , 2, 41	3.1	28
237	Influence of TiO ₂ host crystallinity on Er ³⁺ light emission. <i>Optical Materials Express</i> , 2016 , 6, 1664	2.6	17
236	Scale up the collection area of luminescent solar concentrators towards metre-length flexible waveguiding photovoltaics. <i>Progress in Photovoltaics: Research and Applications</i> , 2016 , 24, 1178-1193	6.8	45
235	Influence of the surface termination on the light emission of crystalline silicon nanoparticles. <i>Nanotechnology</i> , 2016 , 27, 325703	3.4	6
234	Long range energy transfer in graphene hybrid structures. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 315102	3	9
233	Recovery of phycobiliproteins from the red macroalga <i>Gracilaria</i> sp. using ionic liquid aqueous solutions. <i>Green Chemistry</i> , 2016 , 18, 4287-4296	10	59
232	A New Generation of Primary Luminescent Thermometers Based on Silicon Nanoparticles and Operating in Different Media. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 740-748	3.1	24
231	Flexible 90° hybrid coupler for coherent optical systems based on organic-inorganic hybrids 2016 ,		1
230	Influence of the Matrix on the Red Emission in Europium Self-Activated Orthoceramics. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 17825-17835	3.8	29
229	Placing a crown on Dy(III) a dual property Ln(III) crown ether complex displaying optical properties and SMM behaviour. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7738-7747	7.1	32
228	A cryogenic luminescent ratiometric thermometer based on a lanthanide phosphonate dimer. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8480-8484	7.1	67
227	Lanthanide phosphonates with pseudo-D _{5h} local symmetry exhibiting magnetic and luminescence bifunctional properties. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 558-566	6.8	49
226	High-efficiency luminescent solar concentrators for flexible waveguiding photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 138, 51-57	6.4	59
225	Nano-titania doped with europium and neodymium showing simultaneous photoluminescent and photocatalytic behaviour. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4970-4986	7.1	41

224	Eu ³⁺ -based bridged silsesquioxanes for transparent luminescent solar concentrators. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 8770-8	9.5	70
223	Sensing Structure Based on Surface Plasmon Resonance in Chemically Etched Single Mode Optical Fibres. <i>Plasmonics</i> , 2015 , 10, 319-327	2.4	43
222	Nanostructuring of Bridged Organosilane Precursors with Pendant Alkyl Chains. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 1218-1225	2.3	9
221	Organic/Inorganic Hybrids for Lighting 2015 , 883-910		2
220	A High-Temperature Molecular Ferroelectric Zn/Dy Complex Exhibiting Single-Ion-Magnet Behavior and Lanthanide Luminescence. <i>Angewandte Chemie</i> , 2015 , 127, 2264-2268	3.6	38
219	Influence of the Crystal Structure on the Luminescence Properties of Mixed Eu,La(1,10-Phenanthroline) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 4861-4868	2.3	9
218	Enhanced sensitivity high temperature optical fiber FPI sensor created with the catastrophic fuse effect. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 972-974	1.2	11
217	Easily processable multimodal spectral converters based on metal oxide/organic-inorganic hybrid nanocomposites. <i>Nanotechnology</i> , 2015 , 26, 405601	3.4	3
216	Di-amidosils with tunable structure, morphology and emission quantum yield: the role of hydrogen bonding. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6844-6861	7.1	10
215	Liquid Hydrostatic Pressure Optical Sensor Based on Micro-Cavity Produced by the Catastrophic Fuse Effect. <i>IEEE Sensors Journal</i> , 2015 , 15, 5654-5658	4	19
214	A high-temperature molecular ferroelectric Zn/Dy complex exhibiting single-ion-magnet behavior and lanthanide luminescence. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2236-40	16.4	174
213	Breakdown into nanoscale of graphene oxide: confined hot spot atomic reduction and fragmentation. <i>Scientific Reports</i> , 2014 , 4, 6735	4.9	79
212	Luminescent solar concentrators: challenges for lanthanide-based organic/inorganic hybrid materials. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5580-5596	13	122
211	White OLED based on a temperature sensitive Eu ³⁺ /Tb ³⁺ βdiketonate complex. <i>Organic Electronics</i> , 2014 , 15, 798-808	3.5	67
210	Crystal structure, topology, tiling and photoluminescence properties of 4d/5f hetero-metal organic frameworks based on 3,5-pyrazoledicaboxylate. <i>RSC Advances</i> , 2014 , 4, 7818	3.7	11
209	Fractality and metastability of a complex amide cross-linked dipodal alkyl/siloxane hybrid. <i>RSC Advances</i> , 2014 , 4, 59664-59675	3.7	4
208	A green-emitting β-substituted βdiketonate Tb ³⁺ phosphor for ultraviolet LED-based solid-state lighting. <i>Journal of Coordination Chemistry</i> , 2014 , 67, 4076-4089	1.6	16
207	Lanthanide Orthoantimonate Light Emitters: Structural, Vibrational, and Optical Properties. <i>Chemistry of Materials</i> , 2014 , 26, 6351-6360	9.6	18

206	A layered erbium phosphonate in pseudo-D(5h) symmetry exhibiting field-tunable magnetic relaxation and optical correlation. <i>Chemical Communications</i> , 2014 , 50, 7621-4	5.8	77
205	Lamellar mono-amidosil hybrids doped with Rhodamine (B) methyl ester perchlorate. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 72, 239-251	2.3	4
204	High Quantum Yield Dual Emission from Gas-Phase Grown Crystalline Si Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 10375-10383	3.8	24
203	Luminescent Electrochromic Device Based on a Biohybrid Electrolyte Doped with a Mixture of Potassium Triflate and a Europium β -diketonate Complex. <i>ECS Transactions</i> , 2014 , 61, 213-225	1	5
202	Green Li ⁺ - and Er ³⁺ -doped poly(ϵ -caprolactone)/siloxane biohybrid electrolytes for smart electrochromic windows. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 123, 203-210	6.4	18
201	Auxiliary ligand-assisted structural diversities of two coordination polymers with 2-hydroxyquinoline-4-carboxylic acid. <i>Inorganic Chemistry Communication</i> , 2014 , 40, 92-96	3.1	8
200	Luminescent DNA- and agar-based membranes. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 6685-91	1.3	9
199	Colour multiplexing of quick-response (QR) codes. <i>Electronics Letters</i> , 2014 , 50, 1828-1830	1.1	11
198	Fabrication of low-cost thermo-optic variable wave plate based on waveguides patterned on di-ureasil hybrids. <i>Optics Express</i> , 2014 , 22, 27159-68	3.3	14
197	Modelling the luminescence of extended solids: an example of a highly luminescent MCM-41 impregnated with a Eu ³⁺ β -diketonate complex. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 9701-9711	7.1	16
196	Efficient and tuneable photoluminescent boehmite hybrid nanoplates lacking metal activator centres for single-phase white LEDs. <i>Nature Communications</i> , 2014 , 5, 5702	17.4	131
195	Low-Cost Spectrograph Based on a WebCam: A Student Project. <i>International Journal of Electrical Engineering and Education</i> , 2014 , 51, 1-11	0.6	5
194	Di-urethanesil hybrid electrolytes doped with Mg(CF ₃ SO ₃) ₂ . <i>Ionics</i> , 2014 , 20, 29-36	2.7	1
193	Photoluminescent Epoxy/Gd ₂ O ₃ :Eu ³⁺ UV-cured Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2013 , 298, 181-189	3.9	7
192	Photoluminescent lamellar bilayer mono-alkyl-urethanesils. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 65, 61-73	2.3	14
191	Ratiometric nanothermometer based on an emissive Ln ³⁺ -organic framework. <i>ACS Nano</i> , 2013 , 7, 7213-86.7	28.0	
190	Lamellar salt-doped hybrids with two reversible order/disorder phase transitions. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 14529-43	3.4	5
189	Cadmium β urandicarboxylate Coordination Polymers Prepared with Different Types of Pyridyl Linkers: Synthesis, Divergent Dimensionalities, and Luminescence Study. <i>Crystal Growth and Design</i> , 2013 , 13, 5272-5281	3.5	43

188	Role of the reactive atmosphere during the sol-gel synthesis on the enhancing of the emission quantum yield of urea cross-linked tripodal siloxane-based hybrids. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 70, 227	2.3	1
187	Redox behaviour, electrochromic properties and photoluminescence of potassium lanthano phosphomolybdate sandwich-type compounds. <i>RSC Advances</i> , 2013 , 3, 16697	3.7	8
186	PhotoClick Chemistry to Design Highly Efficient Lanthanide β -Diketonate Complexes Stable under UV Irradiation. <i>Chemistry of Materials</i> , 2013 , 25, 586-598	9.6	87
185	Electro-optical properties of the DNA-Eu ³⁺ bio-membranes. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 708, 116-123	4.1	14
184	Luminescent Transparent Composite Films Based on Lanthanopolyoxometalates and Filmogenic Polysaccharides. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 1890-1896	2.3	13
183	Lamellar mono-amidosil hybrids incorporating monomethinecyanine dyes. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 2290	7.1	9
182	Photonic-on-a-chip: a thermal actuated Mach-Zehnder interferometer and a molecular thermometer based on a single di-ureasil organic-inorganic hybrid. <i>Laser and Photonics Reviews</i> , 2013 , 7, 1027-1035	8.3	38
181	Engineering highly efficient Eu(III)-based tri-ureasil hybrids toward luminescent solar concentrators. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7339	13	77
180	Luminescent urea cross-linked tripodal siloxane-based hybrids. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 65, 83-92	2.3	17
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33	Photoluminescence and Quantum Yields of Urea and Urethane Cross-Linked Nanohybrids Derived from Carboxylic Acid Solvolysis. <i>Chemistry of Materials</i> , 2004 , 16, 1507-1516	9.6	95
32	Spectroscopic Studies of Europium(III) and Gadolinium(III) Tris- β -diketonate Complexes with Diazabutadiene Ligands. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 3913-3919	2.3	52
31	Optical studies on the red luminescence of InGaN epilayers. <i>Superlattices and Microstructures</i> , 2004 , 36, 625-632	2.8	8
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29	Lanthanide compounds containing a benzo-15-crown-5 derivatised [60]fullerene and the related [Tb(H ₂ O) ₃ (NO ₃) ₂ (acac)] \cdot [C ₁₄ H ₂₀ O ₅] supramolecular adduct. <i>New Journal of Chemistry</i> , 2004 , 28, 1352-1358	3.6	6
28	Local coordination of Eu(III) in organic/inorganic amine functionalized hybrids. <i>Journal of Alloys and Compounds</i> , 2004 , 374, 50-55	5.7	12
27	Preparation of photoluminescent monolayers based on a polyoxotungstoeuropate. <i>Journal of Alloys and Compounds</i> , 2004 , 374, 371-376	5.7	20

26	Lanthanopolyoxotungstoborates: synthesis, characterization, and layer-by-layer assembly of europium photoluminescent nanostructured films. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 214-20	1.3	21
25	Short-Chain Di-Ureasil Ormolytes Doped with Potassium Triflate: Phase Diagram and Conductivity Behavior. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 375-381	2.3	9
24	Room Temperature Visible/Infrared Emission and Energy Transfer in Nd ³⁺ -Based Organic/Inorganic Hybrids. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 315-319	2.3	19
23	Lanthanide complexes of 2-hydroxynicotinic acid: synthesis, luminescence properties and the crystal structures of [Ln(HnicO) ₂ (HnicO)(H ₂ O)] _n H ₂ O (Ln=Tb, Eu). <i>Polyhedron</i> , 2003 , 22, 3529-3539	2.7	36
22	Sol-gel-derived POE/siliceous hybrids doped with Na ⁺ ions: morphology and ionic conductivity. <i>Solid State Ionics</i> , 2003 , 156, 85-93	3.3	13
21	Synthesis and crystal structure of [nBu ₄ N][Er(pic) ₄] ₃ ·5H ₂ O: a new infrared emitter. <i>Inorganic Chemistry Communication</i> , 2003 , 6, 1234-1238	3.1	16
20	Novel Lanthanide Luminescent Materials Based on Complexes of 3-Hydroxypicolinic Acid and Silica Nanoparticles. <i>Chemistry of Materials</i> , 2003 , 15, 100-108	9.6	216
19	Morphological and conductivity studies of di-ureasil xerogels containing lithium triflate. <i>Electrochimica Acta</i> , 2002 , 47, 2421-2428	6.7	24
18	Short chain U(600) di-urea cross-linked poly(oxyethylene)/siloxane ormolytes doped with lanthanum triflate salt. <i>Electrochimica Acta</i> , 2002 , 47, 2551-2555	6.7	7
17	Synthesis, Characterization, and Luminescence of Cyclodextrin Inclusion Compounds Containing Europium(III) and Gadolinium(III) Tris(β-diketonates). <i>Journal of Physical Chemistry B</i> , 2002 , 106, 11430-11437	2.4	63
16	Study of the Inclusion Compound Formed between a Luminescent Europium(III) β-Diketonate Complex and α-Cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002 , 44, 261-266		12
15	Photoluminescence and lattice location of Eu and Pr implanted GaN samples. <i>Physica B: Condensed Matter</i> , 2001 , 308-310, 22-25	2.8	87
14	Energy-Transfer Mechanisms and Emission Quantum Yields In Eu ³⁺ -Based Siloxane-Poly(oxyethylene) Nanohybrids. <i>Chemistry of Materials</i> , 2001 , 13, 2991-2998	9.6	174
13	Structural modelling of Eu ³⁺ -based siloxane-poly(oxyethylene) nanohybrids. <i>Journal of Materials Chemistry</i> , 2001 , 11, 3249-3257		45
12	Full-Color Phosphors from Europium(III)-Based Organosilicates. <i>Advanced Materials</i> , 2000 , 12, 594-598	2.4	301
11	Encapsulation of copper(II) complexes with pentadentate N ₃ O ₂ Schiff base ligands derived from acetylacetone in NaX zeolite. <i>Microporous and Mesoporous Materials</i> , 2000 , 38, 391-401	5.3	39
10	Sol-gel derived nanocomposite hybrids for full colour displays. <i>Journal of Luminescence</i> , 2000 , 87-89, 702-705	3.8	37
9	Multi-wavelength europium-based hybrid phosphors. <i>Journal of Non-Crystalline Solids</i> , 1999 , 247, 203-208	3.9	38

8	Rationalizing the Thermal Response of Dual-Center Molecular Thermometers: The Example of an Eu/Tb Coordination Complex. <i>Advanced Optical Materials</i> ,2101870	8.1	5
7	Sustainable Smart Tags with Two-Step Verification for Anticounterfeiting Triggered by the Photothermal Response of Upconverting Nanoparticles. <i>Advanced Photonics Research</i> ,2100227	1.9	1
6	Customized Luminescent Multiplexed Quick-Response Codes as Reliable Temperature Mobile Optical Sensors for eHealth and Internet of Things. <i>Advanced Photonics Research</i> ,2100206	1.9	7
5	Primary thermometers based on sol-gel upconverting Er ³⁺ /Yb ³⁺ co-doped yttrium tantalates with high upconversion quantum yield and emission color tunability. <i>Journal of Sol-Gel Science and Technology</i> ,1	2.3	2
4	Luminescent Poly(vinylidene fluoride)-Based Inks for Anticounterfeiting Applications. <i>Advanced Photonics Research</i> ,2100151	1.9	
3	A Hybrid Materials Approach for Fabricating Efficient WLEDs Based on Di-Ureasils Doped with Carbon Dots and a Europium Complex. <i>Advanced Materials Technologies</i> ,2100727	6.8	4
2	Solar spectral management with electrochromic devices including PMMA films doped with biluminescent ionosilicas. <i>Journal of Sol-Gel Science and Technology</i> ,1	2.3	1
1	Reprogrammable and Reconfigurable Photonic Molecular Logic Gates Based on Ln 3+ Ions. <i>Advanced Optical Materials</i> ,2200138	8.1	1