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Correlation between the lowest triplet state energy level of the ligand and lanthanide(III) luminescence quantum yield

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1391	The discovery of a simple ligand based on acetophenone bearing excellent quantum yields for the excitation of Eu3+ and Tb3+. <i>Journal of Luminescence</i> , <b>1998</b> , 79, 121-125	3.8	16
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761	Mitochondria Targetable Time-Gated Luminescence Probe for Singlet Oxygen Based on a Diketonate-Europium Complex. <b>2015</b> , 54, 11660-8	68
760	Synthesis and luminescence properties of hybrid systems based on liquid crystal terbium( <del>∏a</del> nd europium( <del>∏c</del> omplexes. <b>2015</b> , 85, 2806-2812	6
759	Tuning a Lanthanide Complex To Be Responsive to the Environment in Solution. <b>2015</b> , 119, 11650-8	10
758	Synthesis and spectroscopy of anionic tridentate benzimidazole-pyridine carboxylate and tetrazolate chromophore ligands. <b>2015</b> , 427, 81-86	3
757	Modulating luminescence spectra by controlling the <b>B</b> tacking strength of the excimers of a new europium complex material. <b>2015</b> , 145, 4-6	10
756	A terbium(III)-complex-based on-off fluorescent chemosensor for phosphate anions in aqueous solution and its application in molecular logic gates. <b>2015</b> , 7, 4415-22	54
755	Color-tunable and white-light emission of one-dimensional L-di-2-thenoyltartaric acid mixed-lanthanide coordination polymers. <b>2015</b> , 44, 4640-7	37
754	Effective photosensitized energy transfer of nonanuclear terbium clusters using methyl salicylate derivatives. <b>2015</b> , 119, 1943-7	20
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752	A new strategy for achieving white-light emission of lanthanide complexes: effective control of energy transfer from blue-emissive fluorophore to Eu(III) centres. <b>2015</b> , 3, 1799-1806	38
751	Luminescent lanthanide coordination polymers synthesized via in-situ hydrolysis of dimethyl-3,4-furandicarboxylate. <b>2015</b> , 225, 402-409	13
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748	Hydrothermal Synthesis, Structures and Luminescent of 1D LanthanideMetal Organic Frameworks Based on Rigid 5-Nitroisophthalic Acid Linker. <b>2015</b> , 25, 551-558	
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735 734	Electroluminescence from europium(III) complexes. 2015, 293-294, 228-249  Metal-Centered Photoluminescence of Eu3+ and Tb3+ Coordination Polymers with Dianions of Camphoric and Tetrafluoroterephthalic Acids. 2015, 51, 30-36		166
	Metal-Centered Photoluminescence of Eu3+ and Tb3+ Coordination Polymers with Dianions of		
734	Metal-Centered Photoluminescence of Eu3+ and Tb3+ Coordination Polymers with Dianions of Camphoric and Tetrafluoroterephthalic Acids. <b>2015</b> , 51, 30-36		6
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656	Electrochemistry and Spectroelectrochemistry of Luminescent Europium Complexes. <b>2016</b> , 28, 2109-2117	13
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651	Investigations of luminescent behavior and intramolecular energy transfer mechanism of europium(III) complexes with fluorinated 根etoester ligand. <b>2016</b> , 181, 36-44		15
650	Bright red luminescence and triboluminescence from PMMA-doped polymer film materials supported by Eu3+-triphenylphosphine based 时ketonate and 4,5-bis(diphenylphosphino)-9,9-dimethylxanthene oxide. <b>2016</b> , 317, 88-99		29
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646	Synthesis and luminescent properties of terbium complex containing 4-benzoylbenzoic acid for application in NUV-based LED. <b>2016</b> , 34, 130-136		13
645	Self-Assembly Syntheses, Structural Characterization, and Luminescent Properties of Lanthanide Coordination Polymers Constructed by Three Triazole-Carboxylate Ligands. <b>2016</b> , 16, 2266-2276		49
644	Pure white-light and colour-tuning of Eu(3+)-Gd(3+)-containing metallopolymer. <b>2016</b> , 52, 3713-6		48
643	First examples of carbacylamidophosphate pentanuclear hydroxo-complexes: Synthesis, structure, luminescence and magnetic properties. <b>2016</b> , 106, 44-50		7
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633	Synthesis and characterization of terbium(III) complexes with the biscoumarin derivative 3,3?-[(4-hydroxyphenyl)methyl]bis-(4-hydroxy-2H-chromen-2-one). <b>2016</b> , 1106, 491-500		4
632	Structure and luminescent investigation of new Ln(III)-TTA complexes containing N-methyl-Eaprolactam as ligand. <i>Journal of Luminescence</i> , <b>2016</b> , 170, 654-662	3.8	6
631	Photophysical studies of highly luminescent europium(III) and terbium(III) complexes functionalized with amino and mercapto groups. <i>Journal of Luminescence</i> , <b>2016</b> , 170, 520-527	3.8	9
630	Synthesis, crystal structure and luminescent properties of lanthanide extended structure with asymmetrical dinuclear units based on 2-(methylthio)benzoic acid. <i>Journal of Luminescence</i> , <b>2016</b> , 170, 528-537	3.8	10
629	A Stimuli-Responsive Smart Lanthanide Nanocomposite for Multidimensional Optical Recording and Encryption. <b>2017</b> , 56, 2689-2693		139
628	Synthesis and photoluminescence properties of pink luminescent heteroleptic Sm(III) complexes; the role of DMSO in transforming the inner coordination sphere and on photophysical properties. Sparkle/RM1 calculation. <b>2017</b> , 127, 191-202		27
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626	A Stimuli-Responsive Smart Lanthanide Nanocomposite for Multidimensional Optical Recording and Encryption. <b>2017</b> , 129, 2733-2737		20
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624	LMCT facilitated room temperature phosphorescence and energy transfer in substituted thiophenolates of Gd and Yb. <b>2017</b> , 46, 3041-3050		27
623	Single-component Eu3+IIb3+IId3+-grafted polymer with ultra-high color rendering index white-light emission. <b>2017</b> , 7, 6762-6771		19
622	Fluorescence enhancement of europium nitrobenzoates by Ag@SiO 2 nanoparticles in solution. <i>Journal of Luminescence</i> , <b>2017</b> , 186, 255-261	3.8	6
621	New polyaminocarboxylate macrocycles containing phenolate binding units: synthesis, luminescent and relaxometric properties of their lanthanide complexes. <b>2017</b> , 46, 4654-4668		7
620	The Role of Blue-Emissive 1,8-Naphthalimidopyridine N-Oxide in Sensitizing EuIII Photoluminescence in Dimeric Hexafluoroacetylacetonate Complexes. <b>2017</b> , 2017, 2211-2219		12
619	ZnS Nanoparticles Sensitize Luminescence of Capping-Ligand-Bound Lanthanide Ions. <b>2017</b> , 56, 3260-32	268	14

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613	Fine-tuning the magnetocaloric effect and SMMs behaviors of coplanar RE4 complexes by	40
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609	Covalently-bonded grafting of [Ln 3 (Benzimidazole) 4]-arrayed (Lnllīb, Nd, Yb or Er) complex monomers into PNBE (poly(norbornene)) with highly luminous color-purity green-light or efficient NIR luminescence. <b>2017</b> , 69, 158-163	2
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607	Influence of Eu(III) Complexes Structural Anisotropy on Luminescence of Doped Conjugated Polymer Blends. <b>2017</b> , 56, 6067-6075	14
606	A General Model of Sensitized Luminescence in Lanthanide-Based Coordination Polymers and Metal-Organic Framework Materials. <b>2017</b> , 56, 5544-5552	67
605	Tunable photoluminescence from layered rare-earth hydroxide/polymer nanocomposite hydrogels by a cascaded energy transfer effect. <b>2017</b> , 5, 5207-5213	20
604	Three sandwich-type zinc(II)[anthanide(III) clusters: structures, luminescence and magnetic properties. <b>2017</b> , 7, 22692-22698	30
603	Red to white polymer light-emitting diode (PLED) based on Eu3+In2+Id3+-containing metallopolymer. <b>2017</b> , 5, 4780-4787	19
602	Layered Rare-Earth Hydroxide/Polyacrylamide Nanocomposite Hydrogels with Highly Tunable Photoluminescence. <b>2017</b> , 13, 1604070	45
601	Thermostable 1D Lanthanide 4-Phenylbenzoate Polymers [Ln(4-phbz)3]n (Ln = Sm, Eu, Gd, Tb, Dy, Ho) with Isolated Metal Chains: Synthesis, Structure, Luminescence, and Magnetic Properties. <b>2017</b> , 2017, 2892-2904	6

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599	Photoluminescence Properties of Lanthanide-Organic Frameworks (LnOFs) with Thiophene-2,5-Dicarboxylate and Acetate. <b>2017</b> , 643, 850-857	5
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593	Terbium(III) Luminescent Complexes as Millisecond-Scale Viscosity Probes for Lifetime Imaging. <b>2017</b> , 139, 7693-7696	70
592	Synthesis and photophysical and magnetic studies of ternary lanthanide(iii) complexes of naphthyl chromophore functionalized imidazo[4,5-f][1,10]phenanthroline and dibenzoylmethane. <b>2017</b> , 46, 8562-8571	22
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515	Design of Near-Infrared Luminescent Lanthanide Complexes Sensitive to Environmental Stimulus through Rationally Tuning the Secondary Coordination Sphere. <b>2018</b> , 57, 1332-1341	37
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498	Synthesis, density functional theory calculations and luminescence of lanthanide complexes with 2,6-bis[(3-methoxybenzylidene)hydrazinocarbonyl] pyridine Schiff base ligand. <b>2018</b> , 33, 79-88		10	
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496	Computational study on the luminescence quantum yields of terbium complexes with 2,2'-bipyridine derivative ligands. <b>2018</b> , 20, 3328-3333		16	
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494	A Coordination Chemistry Approach to Fine-Tune the Physicochemical Parameters of Lanthanide Complexes Relevant to Medical Applications. <b>2018</b> , 24, 3127-3131		17	
493	Integrating Down-Shifting and Down-Conversion into Metal Drganic Frameworks to Enhance the Spectral Conversion for Solar Cells. <b>2018</b> , 122, 96-104		11	

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489	Judd-Ofelt characterization and energy transfer mechanism of highly luminescent europium(III) complexes with 1-(5-chloro-2-hydroxyphenyl)-1,3-butanedione. <b>2018</b> , 471, 364-371		14
488	UV laser-induced enhancement of photoluminescence intensity in vitrified terbium(III) 时iketonate complex film in air. <i>Journal of Luminescence</i> , <b>2018</b> , 194, 407-413	3.8	15
487	Controlled polarized luminescence of smectic lanthanide complexes. <b>2018</b> , 148, 492-500		18
486	A lysosome-targeting nanosensor for simultaneous fluorometric imaging of intracellular pH values and temperature. <b>2018</b> , 185, 533		14
485	Estimating the Individual Spectroscopic Properties of Three Unique Eu Sites in a Coordination Polymer. <b>2018</b> , 57, 15421-15429		4
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483	Rare earth phosphors based on spherical infinite coordination polymers. <b>2018</b> , 42, 19070-19075		3
482	Ligand-Assisted Back Energy Transfer in Luminescent Tb Complexes for Thermosensing Properties. <b>2018</b> , 24, 17719-17726		18
481	Tb(III) complexes with 1-phenyl-3-methyl-4-stearoyl-pyrazol-5-one as a material for luminescence Langmuir <b>B</b> lodgett films. <b>2018</b> , 71, 4228-4236		11
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479	Incorporation of hexacyanidoferrate(III) ion in photoluminescent trimetallic Eu(3-pyridone)[Co1\(\mathbb{U}\)Fex(CN)6] chains exhibiting tunable visible light absorption and emission properties. <b>2018</b> , 20, 5695-5706		11
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474	Composed in the f-block: solution structure and function of kinetically inert lanthanide(iii) complexes. <b>2018</b> , 47, 10360-10376		37
473	Synthesis and photoluminescence study of two new complexes [Sm(hfaa)3(impy)2] and [Eu(hfaa)3(impy)2] and their PMMA based hybrid films. <i>Journal of Luminescence</i> , <b>2018</b> , 202, 438-449	3.8	36
472	Theoretical insight in highly luminescent properties of Eu(III) complex with phenanthroline. <i>Journal of Luminescence</i> , <b>2018</b> , 202, 192-205	3.8	15
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469	Synthesis, structure and luminescence of {Zn2Ln(OH)} (Ln = Eu, Gd, Tb) complexes with a triangular metal core. <b>2018</b> , 482, 85-89		10
468	New advances in the synthesis of tripyridinophane macrocycles suitable to enhance the luminescence of Ln(III) ions in aqueous solution. <b>2018</b> , 74, 4272-4287		7
467	Misconceptions in electronic energy transfer: bridging the gap between chemistry and physics. <b>2018</b> , 47, 5234-5265		84
466	Luminescence from Lanthanide(III) Ions Bound to the Glycocalyx of Chinese Hamster Ovary Cells. <b>2018</b> , 24, 11885-11889		7
465	Triphenylphosphane Oxide Complexes of Lanthanide Nitrates: Polymorphs and Photophysics. <b>2018</b> , 644, 525-533		4
465 464			4 25
	Polyphenylcyclopentadienyl Ligands as an Effective Light-Harvesting Bonded Antenna for	3.8	
464	Polyphenylcyclopentadienyl Ligands as an Effective Light-Harvesting Bonded Antenna for Lanthanide +3 Ions. 2018, 57, 10199-10213  Luminescence and electronic structure of Nd3+ complex with pyrazole-substituted 1,3-diketone	3.8	25
464 463	Polyphenylcyclopentadienyl Ligands as an Effective Light-Harvesting Bonded Antenna for Lanthanide +3 Ions. 2018, 57, 10199-10213  Luminescence and electronic structure of Nd3+ complex with pyrazole-substituted 1,3-diketone and 1,10-phenanthroline. <i>Journal of Luminescence</i> , 2018, 203, 546-553  Highly Efficient Luminescent Polycarboxylate Lanthanide Complexes Incorporated into Di-Ureasils	3.8	25
464 463 462	Polyphenylcyclopentadienyl Ligands as an Effective Light-Harvesting Bonded Antenna for Lanthanide +3 Ions. 2018, 57, 10199-10213  Luminescence and electronic structure of Nd3+ complex with pyrazole-substituted 1,3-diketone and 1,10-phenanthroline. <i>Journal of Luminescence</i> , 2018, 203, 546-553  Highly Efficient Luminescent Polycarboxylate Lanthanide Complexes Incorporated into Di-Ureasils by an In-Situ Sol-Gel Process. 2018, 10,  Magnetic and Optical Properties of Novel Lanthanide(III) Complexes Based on Schiff Base and	3.8	25 18 4
464 463 462 461	Polyphenylcyclopentadienyl Ligands as an Effective Light-Harvesting Bonded Antenna for Lanthanide +3 lons. 2018, 57, 10199-10213  Luminescence and electronic structure of Nd3+ complex with pyrazole-substituted 1,3-diketone and 1,10-phenanthroline. Journal of Luminescence, 2018, 203, 546-553  Highly Efficient Luminescent Polycarboxylate Lanthanide Complexes Incorporated into Di-Ureasils by an In-Situ Sol-Gel Process. 2018, 10,  Magnetic and Optical Properties of Novel Lanthanide(III) Complexes Based on Schiff Base and Diketonate Ligands. 2018, 71, 527	3.8	25 18 4
464 463 462 461 460	Polyphenylcyclopentadienyl Ligands as an Effective Light-Harvesting Bonded Antenna for Lanthanide +3 lons. 2018, 57, 10199-10213  Luminescence and electronic structure of Nd3+ complex with pyrazole-substituted 1,3-diketone and 1,10-phenanthroline. Journal of Luminescence, 2018, 203, 546-553  Highly Efficient Luminescent Polycarboxylate Lanthanide Complexes Incorporated into Di-Ureasils by an In-Situ Sol-Gel Process. 2018, 10,  Magnetic and Optical Properties of Novel Lanthanide(III) Complexes Based on Schiff Base and Diketonate Ligands. 2018, 71, 527  Fluorinated tetraketone derivatives of N-substituted carbazoles and their Eu(III) complexes for fluorescence immunoassay. 2018, 54, 528-534  Synthesis, Structure, and Luminescence Properties of Rare Earth Complexes with Diketone	3.8	25 18 4 3

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447	Multifunctional Ln-MOF Luminescent Probe for Efficient Sensing of Fe, Ce, and Acetone. <b>2018</b> , 10, 239	76-239	8 <b>6</b> 25
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			12

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434	Luminescent europium(III) and terbium(III) complexes of tiketonate and substituted terpyridine ligands: synthesis, crystal structures and elucidation of energy transfer pathways. <b>2019</b> , 43, 15139-15152	24
433	O Generating Luminescent Lanthanide Complexes with 1,8-Naphthalimide-Based Sensitizers. <b>2019</b> , 58, 13471-13480	11
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371	A ratiometric time-gated luminescence probe for hydrogen sulfide based on copper(II)-coupled lanthanide complexes. <b>2019</b> , 1049, 152-160		11
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367	Near-infrared excited cooperative upconversion in luminescent Ytterbium(Ibioprobes as light-responsive theranostic agents. <b>2019</b> , 163, 546-559		16

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364	Eu3+ ternary and tetrakis complexes with carbazole and methyl group substituted dibenzoylmethane derivatives: Induction of aggregation enhanced emission. <b>2019</b> , 163, 257-266	2
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343	Controllable Synthesis of Porphyrin-Based 2D Lanthanide Metal-Organic Frameworks with Thickness- and Metal-Node-Dependent Photocatalytic Performance. <b>2020</b> , 59, 3300-3306		82
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341	Luminescence properties of lanthanide complexes-based molecular alloys. <b>2020</b> , 501, 119309		6
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309	Synergy in the energy transfer between ligands and EuIII ions in molecular europium complexes: single-component white light-emitting luminogens. <b>2020</b> , 8, 8643-8653		28
308	Excitation-Dependent Photoluminescence Color Tuning in Lanthanide-Organic Hybrid Materials. <b>2020</b> , 59, 7539-7552		15
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300	Towards white light emission from a hybrid thin film of a self-assembled ternary samarium(III) complex. <b>2020</b> , 44, 5673-5683		24
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297	The Role of F Orbital Interactions in Eu(III) Complexes for an Effective Molecular Luminescent Thermometer. <b>2020</b> , 59, 5865-5871		13
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295	Divergent Adsorption-Dependent Luminescence of Amino-Functionalized Lanthanide Metal-Organic Frameworks for Highly Sensitive NO Sensors. <b>2020</b> , 11, 3362-3368		27

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293	Narrow band red emitting europium complexes and their application in smart white LEDs and vapoluminescent sensors. <b>2020</b> , 49, 6205-6219	32
292	Enhancement of Terbium(III)-Centered Luminescence by Tuning the Triplet Energy Level of Substituted Pyridylamino-4-R-Phenoxo Tripodal Ligands. <b>2020</b> , 59, 5447-5455	15
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288	Formation of Heteropolynuclear Lanthanide Complexes Using Macrocyclic Phosphonated Cyclam-Based Ligands. <b>2020</b> , 59, 10311-10327	4
287	Water-Stable Lanthanide Coordination Polymers with Triple Luminescent Centers for Tunable Emission and Efficient Self-Calibration Sensing Wastewater Pollutants. <b>2020</b> , 8, 1901659	9
286	Crystal structures and temperature-dependent photoluminescence of lanthanide coordination frameworks of mixed-benzenedicarboxylates. <b>2020</b> , 73, 333-345	2
285	Ratiometric fluorescence detection of anthrax biomarker 2,6-dipicolinic acid using hetero MOF sensors through ligand regulation. <b>2020</b> , 8, 4392-4400	37
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283	Color-tunable white-light of binary tris-閸iketonate-(Dy3+, Gd3+) complexes卧lend under single wavelength excitation. <b>2020</b> , 113, 107814	1
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278	A systematic study of the optical properties of mononuclear hybrid organo[horganic lanthanoid complexes. <b>2020</b> , 7, 3049-3062	8
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263	Preparation, characterization and optical properties of rare earth complexes with derivatives of N-phenylanthranilic acid. <i>Journal of Luminescence</i> , <b>2021</b> , 232, 117818	2
262	Two homochiral Eu and Sm enantiomeric pairs showing circularly polarized luminescence, photoluminescence and triboluminescence. <b>2021</b> , 50, 1007-1018	5
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233	A tris tiketonate europium(III) complex based OLED fabricated by thermal evaporation method displaying efficient bright red emission. <b>2021</b> , 106216		13
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229	A Europium-Organic Framework Sensing Material for 2-Aminoacetophenone, a Bacterial Biomarker in Water. <b>2021</b> , 60, 9192-9198		8
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224	Temperature sensitive properties and preparation of europium complexes with double ligands. <b>2021</b> , 36, 1476-1482		1
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200	NIR Emission from Lanthanides in Bioimaging. <b>2021</b> , 1	O
199	Ancillary ligand modulated stereoselective self-assembly of triple-stranded Eu(iii) helicate featuring circularly polarized luminescence <b>2021</b> , 11, 10524-10531	5
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180	Hexanuclear Molecular Precursors as Tools to Design Luminescent Coordination Polymers with Lanthanide Segregation. <b>2021</b> , 60, 16782-16793	1
179	Synthesis and photophysical properties of ternary	11
178	Structural Diversity of Lanthanide 3-Nitrotrispyrazolylborates: Tunable Nuclearity and Intra-Ligand Charge Transfer Sensitization of Visible and NIR Ln Emission. <b>2021</b> , 60, 15724-15743	1
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165	Magnetic, Photo- and Electroluminescent: Multifunctional Ionic Tb Complexes. <b>2021</b> , 60, 17487-17497		1
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161	Stoichiometrically controlled synthesis and comparative study of photoluminescence of seven and eight coordinate complexes of Sm3+, Eu3+ and Tb3+ based on 6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedione (Hfod) and imidazole. <b>2022</b> , 425, 113715		1
160	Towards bright dysprosium emitters: Single and combined effects of environmental symmetry, deuteration, and gadolinium dilution. <b>2022</b> , 199, 110078		2
159	Effect of ligands PPIA and TOPO on radiative behaviour of Eu3+ ions in sol-gel silica matrix. <i>Journal of Luminescence</i> , <b>2022</b> , 244, 118677	3.8	
158	Preparation and photoluminescent behaviors of bipyrimidine bridged dinuclear Eu (III) complexes and their PMMA polymer films. <i>Journal of Luminescence</i> , <b>2022</b> , 244, 118703	3.8	2
157	Lanthanide Emission for Solar Spectral Converters: An Energy Transfer Viewpoint. <b>2021</b> , 1		
156	STRUCTURE AND SPECTRAL-LUMUINESCENT PROPERTIES OF LANTHANIDE-CONTAINING COMPLEXES WITH AZACROWN CALIXARENES. <b>2021</b> , 87, 103-115		1
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154	A ratiometric fluorescent sensor made of a terbium coordination polymer for the anthrax biomarker 2,6-dipicolinic acid with on-site detection assisted by a smartphone app. <b>2021</b> , 24, 132-142		2
153	New Copolymers of Vinylphosphonic Acid with Hydrophilic Monomers and Their Eu Complexes <b>2022</b> , 14,		Ο
152	Covert MOF-Based Photoluminescent Tags via Tunable Linker Energetics 2022,		4
151	Applicability of Reddish-Orange Light Emitting Samarium (III) Complexes for Biomedical and Multifunctional Optoelectronic Devices <b>2022</b> , 32, 613		5

150	A review of lanthanide-based fluorescent nanofiber membranes by electrospinning and their applications. <b>2022</b> , 57, 3892-3922	1
149	ESIPT-capable Eu3+-metallopolymer with colour-tunable emission for selective visual sensing of Zn2+ ion. <b>2022</b> , 10, 1090-1096	2
148	Quantitative tracing of uptake and transport of submicrometre plastics in crop plants using lanthanide chelates as a dual-functional tracer <b>2022</b> ,	9
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134	New Isomeric ancillary ligand and their EuIII complexes: A single component white light emissive phosphor and their applications in Red/White smart LEDs, Electronic Noses and Temperature sensing.	0
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