

# Rik Van Deun

## List of Publications by Year in descending order

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202  
papers

8,221  
citations

44444

50  
h-index

78623

77  
g-index

209  
all docs

209  
docs citations

209  
times ranked

8738  
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-Infrared Persistent Luminescence and Trap Reshuffling in Mn <sup>4+</sup> Doped Alkali-Earth Metal Tungstates. <i>Advanced Optical Materials</i> , 2022, 10, 2101714.	3.6	20
2	Molecular dysprosium complexes for white-light and near-infrared emission controlled by the coordination environment. <i>Journal of Luminescence</i> , 2022, 243, 118646.	1.5	3
3	Deep-level trap formation in Si-substituted Sr <sub>2</sub> SnO <sub>4</sub> :Sm <sup>3+</sup> for rewritable optical information storage. <i>Materials Today Chemistry</i> , 2022, 24, 100906.	1.7	6
4	Chemical sensors based on periodic mesoporous organosilica @NaYF <sub>4</sub> :Ln <sup>3+</sup> nanocomposites. <i>Dalton Transactions</i> , 2022, 51, 11467-11475.	1.6	5
5	Switching on near-infrared light in lanthanide-doped CsPbCl <sub>3</sub> perovskite nanocrystals. <i>Nanoscale</i> , 2021, 13, 8118-8125.	2.8	23
6	Molecular Size Matters: Ultrafast Dye Singlet Sensitization Pathways to Bright Nanoparticle Emission. <i>Advanced Optical Materials</i> , 2021, 9, 2001678.	3.6	7
7	Luminescent PMMA Films and PMMA@SiO <sub>2</sub> Nanoparticles with Embedded Ln <sup>3+</sup> Complexes for Highly Sensitive Optical Thermometers in the Physiological Temperature Range**. <i>Chemistry - A European Journal</i> , 2021, 27, 6479-6488.	1.7	11
8	A Visible-Light-Harvesting Covalent Organic Framework Bearing Single Nickel Sites as a Highly Efficient Sulfur-Carbon Cross-Coupling Dual Catalyst. <i>Angewandte Chemie</i> , 2021, 133, 10915-10922.	1.6	17
9	A Visible-Light-Harvesting Covalent Organic Framework Bearing Single Nickel Sites as a Highly Efficient Sulfur-Carbon Cross-Coupling Dual Catalyst. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10820-10827.	7.2	90
10	Designing Photochromic Materials with Large Luminescence Modulation and Strong Photochromic Efficiency for Dual-Mode Rewritable Optical Storage. <i>Advanced Optical Materials</i> , 2021, 9, 2100669.	3.6	73
11	Dye-sensitized Er <sup>3+</sup> -doped CaF <sub>2</sub> nanoparticles for enhanced near-infrared emission at 1.5 μm. <i>Photonics Research</i> , 2021, 9, 2037.	3.4	9
12	Excitation dependent multicolour luminescence and colour blue-shifted afterglow at room-temperature of europium incorporated hydrogen-bonded multicomponent frameworks. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7154-7162.	2.7	6
13	Chemical sensors based on a Eu(III)-centered periodic mesoporous organosilica hybrid material using picolinic acid as an efficient secondary ligand. <i>Dalton Transactions</i> , 2021, 50, 11061-11070.	1.6	4
14	Rational design of lanthanide nano periodic mesoporous organosilicas (Ln-nano-PMOs) for near-infrared emission. <i>Dalton Transactions</i> , 2021, 50, 2774-2781.	1.6	6
15	Single-component panchromatic white light generation, and tuneable excimer-like visible orange and NIR emission in a Dy quinolinolate complex. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15641-15648.	2.7	7
16	New Ln-MOFs based on mixed organic ligands: synthesis, structure and efficient luminescence sensing of the Hg <sup>2+</sup> ions in aqueous solutions. <i>Dalton Transactions</i> , 2021, 50, 15612-15619.	1.6	20
17	Antitumor activity of organoruthenium complexes with chelate aromatic ligands, derived from 1,10-phenanthroline: Synthesis and biological activity. <i>Journal of Inorganic Biochemistry</i> , 2020, 202, 110869.	1.5	18
18	Amine-containing (nano-) Periodic Mesoporous Organosilica and its application in catalysis, sorption and luminescence. <i>Microporous and Mesoporous Materials</i> , 2020, 291, 109687.	2.2	39

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19	Synthesis and Structural Characterization of Lanthanide-Containing Polytungstoantimonate $[Sb_3(\mu)_2Tj_2O_{11}Sb_2O_7]_n$ . Chemistry, 2020, 2020, 3837-3845.	1.0	2
20	DNA Intercalating Near-Infrared Luminescent Lanthanide Complexes Containing Dipyrido[3,2-a:2',3'-c]phenazine (dppz) Ligands: Synthesis, Crystal Structures, Stability, Luminescence Properties and CT-DNA Interaction. Molecules, 2020, 25, 5309.	1.7	6
21	Improved Quantum Yield and Excellent Luminescence Stability of Europium-Incorporated Polymeric Hydrogen-Bonded Heptazine Frameworks Due to an Efficient Hydrogen-Bonding Effect. Advanced Functional Materials, 2020, 30, 2003656.	7.8	20
22	Obtaining Efficiently Tunable Red Emission in $Ca_{3-x}Ln_xWO_6:Mn^{4+}$ ( $Ln = La, Gd, Y, Lu, \hat{\Gamma} = 0.1$ ) Phosphors Derived from Nearly Nonluminescent $Ca_3WO_6:Mn^{4+}$ via Ionic Substitution Engineering for Solid-State Lighting. ACS Sustainable Chemistry and Engineering, 2020, 8, 7256-7261.	3.2	28
23	Color Tuning from Greenish-Yellow to Orange-Red in Thermal-Stable $KBaY(MoO_4)_3:Dy^{3+}, Eu^{3+}$ Phosphors via Energy Transfer for UV W-LEDs. ACS Applied Electronic Materials, 2020, 2, 1735-1744.	2.0	43
24	Achieving Efficient Red-Emitting $Sr_{2-x}Ca_xLa^{\hat{\Gamma}}Ln_xWO_6:Mn^{4+}$ ( $Ln = La, Gd, Y, Lu, \hat{\Gamma}$ ) Phosphors via Facile Ion Substitution in Luminescence-Ignorable $Sr_2CaWO_6:Mn^{4+}$ . , 2020, 2, 771-778.		35
25	Boosting the $Er^{3+}$ 1.5 $\mu m$ Luminescence in $CsPbCl_3$ Perovskite Nanocrystals for Photonic Devices Operating at Telecommunication Wavelengths. ACS Applied Nano Materials, 2020, 3, 4699-4707.	2.4	48
26	Controlling energy transfer routes in dye-sensitized lanthanide-based luminescent nanoparticles. , 2020, , .		0
27	Realizing a novel dazzling far-red-emitting phosphor $NaLaCaTeO_6:Mn^{4+}$ with high quantum yield and luminescence thermal stability via the ionic couple substitution of $Na^{+} + La^{3+}$ for $2Ca^{2+}$ in $Ca_3TeO_6:Mn^{4+}$ for indoor plant cultivation LEDs. Chemical Communications, 2019, 55, 10697-10700.	2.2	45
28	Triggering White-Light Emission in a 2D Imine Covalent Organic Framework Through Lanthanide Augmentation. ACS Applied Materials & Interfaces, 2019, 11, 27343-27352.	4.0	90
29	White Light Emission Properties of Defect Engineered Metal-Organic Frameworks by Encapsulation of $Eu^{3+}$ and $Tb^{3+}$ . Crystal Growth and Design, 2019, 19, 6339-6350.	1.4	35
30	Synthesis and luminescence properties of a novel dazzling red-emitting phosphor $NaSr_3SbO_6:Mn^{4+}$ for UV/n-UV w-LEDs. Dalton Transactions, 2019, 48, 3187-3192.	1.6	27
31	$Ca_3La_2TeO_{12}:Mn^{4+}, Nd^{3+}, Yb^{3+}$ : an efficient thermally-stable UV/visible-far red/NIR broadband spectral converter for c-Si solar cells and plant-growth LEDs. Materials Chemistry Frontiers, 2019, 3, 403-413.	3.2	26
32	Vibrational Quenching in Near-Infrared Emitting Lanthanide Complexes: A Quantitative Experimental Study and Novel Insights. Chemistry - A European Journal, 2019, 25, 15944-15956.	1.7	32
33	Ce(III)-Based Frameworks: From 1D Chain to 3D Porous Metal-Organic Framework. Crystal Growth and Design, 2019, 19, 7096-7105.	1.4	15
34	Solution-processable Yb/Er 2D-layered metallorganic frameworks with high NIR-emission quantum yields. Journal of Materials Chemistry C, 2019, 7, 11207-11214.	2.7	17
35	Novel Intense Emission-Tunable $Li_{1.5}La_{1.5}WO_6:Mn^{4+}, Nd^{3+}, Yb^{3+}$ Material with Good Luminescence Thermal Stability for Potential Applications in c-Si Solar Cells and Plant-Cultivation Far-Red-NIR LEDs. ACS Sustainable Chemistry and Engineering, 2019, 7, 16284-16294.	3.2	33
36	Insight into emission-tuning and luminescence thermal quenching investigations in $NaLaLa^{\hat{\Gamma}}Gd^xCa_4W_2O_{12}:Mn^{4+}$ phosphors via the ionic couple substitution of $Na^{+} + Ln^{3+}$ ( $Ln = La, Gd$ ) for $2Ca^{2+}$ in $Ca_6W_2O_{12}:Mn^{4+}$ for plant-cultivation LED applications. Dalton Transactions, 2019, 48, 15936-15941.	1.6	12

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37	Lanthanide-centered luminescence evolution and potential anti-counterfeiting application of Tb <sup>3+</sup> /Eu <sup>3+</sup> grafted melamine cyanurate hydrogen-bonded triazine frameworks. <i>Materials Chemistry Frontiers</i> , 2019, 3, 579-586.	3.2	15
38	Strong upconversion emission in CsPbBr <sub>3</sub> perovskite quantum dots through efficient BaYF <sub>5</sub> :Yb, Ln sensitization. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2014-2021.	2.7	38
39	Combining MCR-ALS and EXAFS as tools for speciation of highly chlorinated chromium(III) in mixtures of deep eutectic solvents and water. <i>Dalton Transactions</i> , 2019, 48, 2318-2327.	1.6	14
40	Mutual energy transfer luminescent properties in novel CsGd(MoO <sub>4</sub> ) <sub>2</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> /Ho <sup>3+</sup> phosphors for solid-state lighting and solar cells. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 4746-4754.	1.3	35
41	Unveiling the nonlinear optical response of <i>Trictenotoma childreni</i> longhorn beetle. <i>Journal of Biophotonics</i> , 2019, 12, e201800470.	1.1	3
42	Chromium(III) in deep eutectic solvents: towards a sustainable chromium(VI)-free steel plating process. <i>Green Chemistry</i> , 2019, 21, 3637-3650.	4.6	18
43	Functionalized periodic mesoporous organosilicas: from metal free catalysis to sensing. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14060-14069.	5.2	21
44	Novel tetrakis lanthanide $\beta^2$ -diketonate complexes: Structural study, luminescence properties and temperature sensing. <i>Journal of Luminescence</i> , 2019, 213, 343-355.	1.5	44
45	Eu <sup>3+</sup> , Tb <sup>3+</sup> and Er <sup>3+</sup> , Yb <sup>3+</sup> -Doped $\beta$ -MoO <sub>3</sub> Nanosheets for Optical Luminescent Thermometry. <i>Nanomaterials</i> , 2019, 9, 646.	1.9	15
46	Low-Temperature Solid-State Synthesis and Upconversion Luminescence Properties in (Na/Li)Bi(MoO <sub>4</sub> ) <sub>2</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> and Color Tuning in (Na/Li)Bi(MoO <sub>4</sub> ) <sub>2</sub> :Yb <sup>3+</sup> , Ho <sup>3+</sup> , Ce <sup>3+</sup> Phosphors. <i>Inorganic Chemistry</i> , 2019, 58, 6821-6831.	1.9	36
47	Holmium, thulium and lutetium-octamolybdate [Mo <sub>8</sub> O <sub>28</sub> ] <sup>8-</sup> 1D chains: luminescence investigation of europium doped lutetium-octamolybdate. <i>Dalton Transactions</i> , 2019, 48, 8186-8192.	1.6	3
48	Nonlinear optical spectroscopy and two-photon excited fluorescence spectroscopy reveal the excited states of fluorophores embedded in a beetle's elytra. <i>Interface Focus</i> , 2019, 9, 20180052.	1.5	12
49	Eu <sup>3+</sup> multicenter formation and luminescent properties of Ca <sub>3</sub> Sc <sub>2</sub> Si <sub>3</sub> O <sub>12</sub> :Eu and Ca <sub>2</sub> YScMgSiO <sub>12</sub> :Eu single crystalline films. <i>Optical Materials</i> , 2019, 90, 70-75.	1.7	4
50	Nanothermometers based on lanthanide incorporated Periodic Mesoporous Organosilica. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4222-4229.	2.7	22
51	Ultraefficient Cascade Energy Transfer in Dye-Sensitized Core/Shell Fluoride Nanoparticles. <i>ACS Photonics</i> , 2019, 6, 659-666.	3.2	17
52	Site-Bi <sup>3+</sup> and Eu <sup>3+</sup> dual emissions in color-tunable Ca <sub>2</sub> Y <sub>8</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> :Bi <sup>3+</sup> , Eu <sup>3+</sup> phosphors prepared via sol-gel synthesis for potentially ratiometric temperature sensing. <i>Journal of Alloys and Compounds</i> , 2019, 787, 86-95.	2.8	82
53	Design and visualization of second-generation cyanoisindole-based fluorescent strigolactone analogs. <i>Plant Journal</i> , 2019, 98, 165-180.	2.8	6
54	Enhancing the energy transfer from Mn <sup>4+</sup> to Yb <sup>3+</sup> via a Nd <sup>3+</sup> bridge role in Ca <sub>3</sub> La <sub>2</sub> W <sub>2</sub> O <sub>12</sub> :Mn <sup>4+</sup> , Nd <sup>3+</sup> , Yb <sup>3+</sup> phosphors for spectral conversion of c-Si solar cells. <i>Dyes and Pigments</i> , 2019, 162, 990-997.	2.0	31

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55	A far-red-emitting NaMgLaTeO <sub>6</sub> :Mn <sup>4+</sup> phosphor with perovskite structure for indoor plant growth. <i>Dyes and Pigments</i> , 2019, 162, 214-221.	2.0	107
56	New platinum(II) and palladium(II) complexes with substituted terpyridine ligands: synthesis and characterization, cytotoxicity and reactivity towards biomolecules. <i>BioMetals</i> , 2019, 32, 33-47.	1.8	13
57	Er <sup>3+</sup> -to-Yb <sup>3+</sup> and Pr <sup>3+</sup> -to-Yb <sup>3+</sup> energy transfer for highly efficient near-infrared cryogenic optical temperature sensing. <i>Nanoscale</i> , 2019, 11, 833-837.	2.8	78
58	Colour and fluorescence emission of <i>Euchroea auripigmenta</i> beetle. , 2019, , .		1
59	Simultaneously Excited Downshifting/Upconversion Luminescence from Lanthanide- $\delta$ -Doped Core/Shell Fluoride Nanoparticles for Multimode Anticounterfeiting. <i>Advanced Functional Materials</i> , 2018, 28, 1707365.	7.8	121
60	Molecular Assemblies of a Series of Mixed Tetravalent Uranium and Trivalent Lanthanide Complexes Associated with the Dipicolinate Ligand, in Aqueous Medium. <i>Crystal Growth and Design</i> , 2018, 18, 2165-2179.	1.4	9
61	Remarkable high efficiency of red emitters using Eu(III) ternary complexes. <i>Chemical Communications</i> , 2018, 54, 5221-5224.	2.2	36
62	Luminescent thermometer based on Eu <sup>3+</sup> /Tb <sup>3+</sup> - $\delta$ -organic- $\delta$ -functionalized mesoporous silica. <i>Luminescence</i> , 2018, 33, 567-573.	1.5	17
63	Site occupancy and photoluminescence properties of a novel deep-red-emitting phosphor NaMgGdTeO <sub>6</sub> :Mn <sup>4+</sup> with perovskite structure for w-LEDs. <i>Journal of Luminescence</i> , 2018, 198, 155-162.	1.5	126
64	A novel deep red-emitting phosphor KMgLaTeO <sub>6</sub> :Mn <sup>4+</sup> with high thermal stability and quantum yield for w-LEDs: structure, site occupancy and photoluminescence properties. <i>Dalton Transactions</i> , 2018, 47, 2501-2505.	1.6	91
65	Luminescent and scintillation properties of Ce <sup>3+</sup> doped Ca <sub>2</sub> R <sub>2</sub> MgScSi <sub>3</sub> O <sub>12</sub> (R = Y, Lu) single crystalline films. <i>Journal of Luminescence</i> , 2018, 195, 362-370.	1.5	11
66	Synthesis and up-conversion luminescence properties of a novel Yb <sup>3+</sup> , Er <sup>3+</sup> co-doped Ca <sub>5</sub> Mg <sub>4</sub> (VO <sub>4</sub> ) <sub>6</sub> phosphor. <i>Journal of Alloys and Compounds</i> , 2018, 737, 767-773.	2.8	23
67	Exploring physical and chemical properties in new multifunctional indium-, bismuth-, and zinc-based 1D and 2D coordination polymers. <i>Dalton Transactions</i> , 2018, 47, 1808-1818.	1.6	22
68	Dual-mode upconversion and downshifting white-light emitting Ln <sup>3+</sup> :Gd <sub>2</sub> W <sub>2</sub> O <sub>9</sub> materials. <i>New Journal of Chemistry</i> , 2018, 42, 2393-2400.	1.4	6
69	Photoluminescence and energy transfer properties of a novel molybdate KBaY(MoO <sub>4</sub> ) <sub>3</sub> :Ln <sup>3+</sup> (Ln <sup>3+</sup> = Tb <sup>3+</sup> ,) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i>	1.6	103
70	Eu <sup>3+</sup> /Sm <sup>3+</sup> -doped Na <sub>2</sub> BiMg <sub>2</sub> (VO <sub>4</sub> ) <sub>3</sub> from substitution of Ca <sup>2+</sup> by Na <sup>+</sup> and Bi <sup>3+</sup> in Ca <sub>2</sub> NaMg <sub>2</sub> (VO) <i>Tj ETQq0 0 0 rgBT /Overl</i> <i>Dyes and Pigments</i> , 2018, 155, 258-264.	2.0	56
71	Luminescence of Ce <sup>3+</sup> multicenters in Ca <sup>2+</sup> -Mg <sup>2+</sup> -Si <sup>4+</sup> based garnet phosphors. <i>Journal of Luminescence</i> , 2018, 199, 245-250.	1.5	18
72	Downshifting/upconversion NaY(MoO <sub>4</sub> ) <sub>2</sub> luminescent materials as highly sensitive fluorescent sensors for Pb <sup>2+</sup> ions detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2163-2169.	4.0	17

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73	Advances in tailoring luminescent rare-earth mixed inorganic materials. <i>Chemical Society Reviews</i> , 2018, 47, 7225-7238.	18.7	101
74	Lighting up Eu <sup>3+</sup> luminescence through remote sensitization in silica nanoarchitectures. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7479-7486.	2.7	10
75	TeSen $\hat{\epsilon}$ tool for determining thermometric parameters in ratiometric optical thermometry. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 696-702.	4.0	34
76	Excitation- and Emission-Wavelength-Based Multiplex Spectroscopy Using Red-Absorbing Near-Infrared-Emitting Lanthanide Complexes. <i>Journal of the American Chemical Society</i> , 2018, 140, 10975-10979.	6.6	40
77	Effectively realizing broadband spectral conversion of UV/visible to near-infrared emission in (Na,K)Mg(La,Gd)TeO <sub>6</sub> :Mn <sup>4+</sup> ,Nd <sup>3+</sup> ,Yb <sup>3+</sup> materials for c-Si solar cells <i>via</i> efficient energy transfer. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7302-7310.	2.7	19
78	Multidoped Ln <sup>3+</sup> gadolinium dioxycarbonates as tunable white light emitting phosphors. <i>Dalton Transactions</i> , 2017, 46, 2785-2792.	1.6	14
79	Photoluminescence properties and crystal field analysis of a novel red-emitting phosphor K <sub>2</sub> BaGe <sub>8</sub> O <sub>18</sub> :Mn <sup>4+</sup> . <i>Dyes and Pigments</i> , 2017, 142, 69-76.	2.0	48
80	Low-Percentage Ln <sup>3+</sup> Doping in a Tetranuclear Lanthanum Polyoxometalate Assembled from [Mo <sub>7</sub> O <sub>24</sub> ] <sup>6-</sup> Polyanions Yielding Visible and Near-Infrared Luminescence. <i>Inorganic Chemistry</i> , 2017, 56, 3190-3200.	1.9	25
81	Discovery of (S)-3 $\hat{\epsilon}$ -hydroxyblebbistatin and (S)-3 $\hat{\epsilon}$ -aminoblebbistatin: polar myosin II inhibitors with superior research tool properties. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2104-2118.	1.5	22
82	Flexible Ligand-Based Lanthanide Three-Dimensional Metal-Organic Frameworks with Tunable Solid-State Photoluminescence and OH-Solvent-Sensing Properties. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2321-2331.	1.0	19
83	Concentration and temperature dependent upconversion luminescence of CaWO <sub>4</sub> :Er <sup>3+</sup> ,Yb <sup>3+</sup> 3D microstructure materials. <i>Journal of Luminescence</i> , 2017, 188, 604-611.	1.5	16
84	Temperature dependent NIR emitting lanthanide-PMO/silica hybrid materials. <i>Dalton Transactions</i> , 2017, 46, 7878-7887.	1.6	33
85	New Ce <sup>3+</sup> doped Ca <sub>2</sub> YMgScSi <sub>3</sub> O <sub>12</sub> garnet ceramic phosphor for white LED converters. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1700016.	1.2	12
86	Lanthanide $\hat{\epsilon}$ Chameleon $\hat{\epsilon}$ -Multistage Anti-Counterfeit Materials. <i>Advanced Functional Materials</i> , 2017, 27, 1700258.	7.8	99
87	Cryogenic luminescent thermometers based on multinuclear Eu <sup>3+</sup> /Tb <sup>3+</sup> mixed lanthanide polyoxometalates. <i>Dalton Transactions</i> , 2017, 46, 5781-5785.	1.6	35
88	BaLu <sub>6</sub> (Si <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> (Si <sub>3</sub> O <sub>10</sub> ):Ce <sup>3+</sup> ,Tb <sup>3+</sup> : A novel blue-green emission phosphor via energy transfer for UV LEDs. <i>Dyes and Pigments</i> , 2017, 139, 701-707.	2.0	64
89	Sensing properties, energy transfer mechanism and tuneable particle size processing of luminescent two-dimensional rare earth coordination networks. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12409-12421.	2.7	13
90	Grafting of a Eu <sup>3+</sup> -fac complex on to a Tb <sup>3+</sup> -metal organic framework for use as a ratiometric thermometer. <i>Dalton Transactions</i> , 2017, 46, 12717-12723.	1.6	35

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91	Synthesis of bis-8-hydroxyquinolines via an imination or a Suzuki-Miyaura coupling approach. <i>Tetrahedron Letters</i> , 2017, 58, 3803-3807.	0.7	2
92	Effect of 2,4,6-tri(2-pyridyl)-1,3,5-triazine on visible and NIR luminescence of lanthanide tris(trifluoroacetylacetonates). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 347, 116-129.	2.0	33
93	Photonic scales of <i>Hoplia coerulea</i> beetle: any colour you like. <i>Materials Today: Proceedings</i> , 2017, 4, 4979-4986.	0.9	12
94	Facile synthesis and luminescence property of core-shell structured NaYF <sub>4</sub> : Yb, Er/g-C <sub>3</sub> N <sub>4</sub> nanocomposites. <i>Materials Research Bulletin</i> , 2017, 94, 415-422.	2.7	9
95	Synthesis and luminescent properties of prospective Ce <sup>3+</sup> doped silicate garnet phosphors for white LED converters. <i>Journal of Luminescence</i> , 2017, 192, 328-336.	1.5	28
96	Upconversion luminescence of lanthanide-doped mixed CaMoO <sub>4</sub> /CaWO <sub>4</sub> micro-/nano-materials. <i>Dalton Transactions</i> , 2016, 45, 12094-12102.	1.6	16
97	Controlled fluorescence in a beetle's photonic structure and its sensitivity to environmentally induced changes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20162334.	1.2	18
98	Laser annealed in-situ P-doped Ge for on-chip laser source applications (Conference Presentation). , 2016, , .		0
99	A new series of trivalent lanthanide (Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy) coordination polymers with a 1,2-cyclohexanedicarboxylate ligand: synthesis, crystal structure, luminescence and catalytic properties. <i>CrystEngComm</i> , 2016, 18, 3594-3605.	1.3	35
100	Dopant and excitation wavelength dependent color tunability in Dy <sup>3+</sup> :YVO <sub>4</sub> and Dy <sup>3+</sup> /Eu <sup>3+</sup> :YVO <sub>4</sub> microparticles towards white light emission. <i>Dalton Transactions</i> , 2016, 45, 16231-16239.	1.6	37
101	Optical thermometry of MoS <sub>2</sub> :Eu <sup>3+</sup> 2D luminescent nanosheets. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9937-9941.	2.7	34
102	Near-infrared luminescence and RNA cleavage ability of lanthanide Schiff base complexes derived from N,N'-bis(3-methoxysalicylidene)ethylene-1,2-diamine ligands. <i>Journal of Inorganic Biochemistry</i> , 2016, 163, 194-205.	1.5	11
103	Lanthanide 9-anthracenate: solution processable emitters for efficient purely NIR emitting host-free OLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9848-9855.	2.7	51
104	Mechanochemically synthesized crystalline luminescent 2D coordination polymers of La <sup>3+</sup> and Ce <sup>3+</sup> , doped with Sm <sup>3+</sup> , Eu <sup>3+</sup> , Tb <sup>3+</sup> , and Dy <sup>3+</sup> : synthesis, crystal structures and luminescence. <i>CrystEngComm</i> , 2016, 18, 6738-6747.	1.3	21
105	A novel red emitting material based on polyoxometalate@periodic mesoporous organosilica. <i>Microporous and Mesoporous Materials</i> , 2016, 234, 248-256.	2.2	21
106	Photoluminescence, Unconventional Range Temperature Sensing, and Efficient Catalytic Activities of Lanthanide Metal-Organic Frameworks. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1577-1588.	1.0	44
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