

Thomas Jstel

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.

195
papers

6,932
citations

37
h-index

79
g-index

220
ext. papers

7,590
ext. citations

3.7
avg, IF

6.02
L-index

#	Paper	IF	Citations
195	UV emitting nanoparticles enhance the effect of ionizing radiation in 3D lung cancer spheroids.. <i>International Journal of Radiation Biology</i> , 2022 , 1-34	2.9	0
194	On the Tb ³⁺ -Eu ³⁺ energy transfer in K ₂ Tb _{1-x} (WO ₄) ₂ :xEu ³⁺ (x = 0-1). <i>Journal of Luminescence</i> , 2022 , 244, 118754	3.8	
193	On the investigation of the energy transfer in Ca ₉ Lu(PO ₄) ₇ :Eu ²⁺ ,Mn ²⁺ ,Nd ³⁺ . <i>Journal of Luminescence</i> , 2022 , 243, 118666	3.8	0
192	On the time and temperature dependent photoluminescence of Nd ³⁺ and Gd ³⁺ doped Lu ₃ Al ₅ O ₁₂ . <i>Journal of Luminescence</i> , 2022 , 246, 118830	3.8	
191	Effect of Ga ³⁺ doping on the luminescence and up-conversion of Pr ³⁺ activated (Lu,Y) ₃ Al ₅ O ₁₂ . <i>Optical Materials: X</i> , 2021 , 12, 100117	1.7	
190	Moths are strongly attracted to ultraviolet and blue radiation. <i>Insect Conservation and Diversity</i> , 2021 , 14, 188-198	3.8	10
189	Optimization of the Synthesis and Energy Transfer of Ca ₂ MgWO ₆ :Cr ³⁺ ,Nd ³⁺ . <i>Inorganics</i> , 2021 , 9, 23	2.9	1
188	A Novel Synthesis Pathway Towards Rare Earth Fluorides by Using Liquid and Solid State Hexafluorophosphate Salts. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 036502	3.9	1
187	On the photoluminescence and energy transfer of SrGa ₁₂ O ₁₉ :Cr ³⁺ ,Nd ³⁺ microscale NIR phosphors. <i>Journal of Materials Research and Technology</i> , 2021 , 11, 785-791	5.5	4
186	Crystal structure, Magnetic and Photoluminescence Properties of GdW ₆ Cl ₁₅ , TbW ₆ Cl ₁₅ , and EuW ₆ Cl ₁₄ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 1392-1396	1.3	1
185	Watt-level europium laser at 703 nm. <i>Optics Letters</i> , 2021 , 46, 2702-2705	3	5
184	Hydrothermal Synthesis, Crystal Structure, and Spectroscopic Properties of Pure and Eu ³⁺ -Doped NaY[SO ₄] ₂ ·nH ₂ O and Its Anhydrate NaY[SO ₄] ₂ . <i>Crystals</i> , 2021 , 11, 575	2.3	1
183	Solid-State Synthesis of (Ph ₄ P)MI ₃ (M=Eu ²⁺ , Sr ²⁺ , Sn ²⁺) and Investigation of Photoluminescence Properties of Green Emitting Phosphor. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 1846-1851	2.3	0
182	Luminescence and up-conversion of single crystalline Lu ₃ Al ₅ O ₁₂ :Pr ³⁺ . <i>Journal of Luminescence</i> , 2021 , 234, 117987	3.8	4
181	Characterization of GAGG Doped with Extremely Low Levels of Chromium and Exhibiting Exceptional Intensity of Emission in NIR Region. <i>Crystals</i> , 2021 , 11, 673	2.3	1
180	X-ray and VUV excitation studies on Pr ³⁺ activated Li ₂ CaSiO ₄ . <i>Journal of Luminescence</i> , 2021 , 235, 118046	3.8	0
179	Phenanthroline chromophore as efficient antenna for Tb ³⁺ green luminescence: A theoretical study. <i>Dyes and Pigments</i> , 2021 , 185, 108890	4.6	5

178	On the Crystal Structure and Temperature Dependent Spectroscopy of the UV-C Emitting Phosphor Sr ₃ (BO ₃) ₂ :Pr ³⁺ ,Na ⁺ . <i>Journal of Luminescence</i> , 2021 , 230, 117765	3.8	1
177	On the crystal structure and optical spectroscopy of rare earth comprising quaternary tungstates LiBaRE(WO) (RE = La-Nd, Sm-Ho). <i>Dalton Transactions</i> , 2021 , 50, 9225-9235	4.3	0
176	On the time and temperature dependent photoluminescence of Pr ³⁺ and Gd ³⁺ doped Lu ₃ Al ₅ O ₁₂ . <i>Journal of Luminescence</i> , 2021 , 236, 118112	3.8	1
175	First report of energy transfer from uranyl to Mn ⁴⁺ in K ₃ (UO ₂)F ₅ :Mn ⁴⁺ . <i>Journal of Luminescence</i> , 2021 , 237, 118085	3.8	0
174	On the use of luminescent single crystals as optical reference materials. <i>Journal of Luminescence</i> , 2021 , 238, 118289	3.8	1
173	Temperature dependent luminescence of Pr ³⁺ doped NaCaPO ₄ . <i>Journal of Luminescence</i> , 2021 , 238, 118307	3.8	1
172	On the energy transfer from Pr ³⁺ to Gd ³⁺ in nanosized LuPO ₄ particles. <i>Journal of Luminescence</i> , 2021 , 240, 118418	3.8	
171	Synthesis, Crystal Structure, and Luminescence of Metal Iodide Cluster Compounds (nBu ₄ N) ₂ [M ₆ I ₈ (NCO) ₆] with M = Mo, W. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 1650-1654	1.3	2
170	Synthesis and characterization of Sr ₃ (PO ₄) ₂ :Pr ³⁺ ,Si ⁴⁺ . <i>Journal of Luminescence</i> , 2020 , 225, 117376	3.8	4
169	Photodynamic properties of tungsten iodide clusters incorporated into silicone: A[MIL]@silicone.. <i>RSC Advances</i> , 2020 , 10, 22257-22263	3.7	9
168	Effective Sensitization of Eu ³⁺ with Ce ³⁺ by suppression of metal-to-metal charge transfer in composite structured TbF ₃ fluoride particles. <i>Journal of Luminescence</i> , 2020 , 223, 117232	3.8	3
167	Seawater activated TiO ₂ photocatalyst for degradation of organic compounds. <i>Sustainable Chemistry and Pharmacy</i> , 2020 , 16, 100251	3.9	3
166	Modelling and Experimental Investigation of Luminous Coupling in UVLED Driven Optical Fiber Reactors. <i>Journal of Photocatalysis</i> , 2020 , 1, 50-60	0.8	1
165	Structure, polymorphism and luminescence of cyanate iodides MI(OCN) (M = Ba, Eu, and Sr). <i>Dalton Transactions</i> , 2020 , 49, 14133-14139	4.3	1
164	Temperature and time-dependent luminescence of single crystals of KTb ₃ F ₁₀ . <i>Journal of Luminescence</i> , 2020 , 227, 117523	3.8	2
163	Energy transfer in supramolecular [Crypt-RE]-[WI] solids. <i>Dalton Transactions</i> , 2020 , 49, 9795-9803	4.3	2
162	Novel Radiation Device for Application in the UV-A and UV-B Range. <i>ECS Journal of Solid State Science and Technology</i> , 2020 , 9, 065012	2	0
161	Luminescence and luminescence quenching of K ₂ Bi(PO ₄)(MoO ₄):Sm ³⁺ phosphors for horticultural and general lighting applications. <i>Materials Advances</i> , 2020 , 1, 1427-1438	3.3	1

160	Particle Size of X-ray Pumped UVC-Emitting Nanoparticles Defines Intracellular Localization and Biological Activity Against Cancer Cells. <i>Particle and Particle Systems Characterization</i> , 2020 , 37, 2000201 ^{3.1}	1
159	UVC-Emitting LuPO:Pr Nanoparticles Decrease Radiation Resistance of Hypoxic Cancer Cells. <i>Radiation Research</i> , 2020 , 193, 82-87	3.1 4
158	Solid-State Preparation and Luminescence Investigation of Rare Earth Iodide Carbodiimide Nitrides RE ₂ (CN ₂)N (RE = La, Gd) and LaI(CN ₂). <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3954-3958	2.3 1
157	Synthesis, structure and properties of a calcium oxonitridosilicate phosphor showing green or red luminescence upon doping with Eu or Ce. <i>Dalton Transactions</i> , 2019 , 48, 14069-14076	4.3 1
156	On the temperature and time dependent photoluminescence of Lu ₃ Al ₅ O ₁₂ :Gd ³⁺ . <i>Journal of Luminescence</i> , 2019 , 216, 116729	3.8 4
155	(INVITED) Eu ³⁺ activated molybdates [Structure property relations. <i>Optical Materials: X</i> , 2019 , 1, 1000151 ^{1.7}	7
154	On a blue emitting phosphor Na ₃ RbMg ₇ (PO ₄) ₆ :Eu ²⁺ showing ultra high thermal stability. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 6012-6021	7.1 23
153	Red-emitting KHF ₂ WOF:Mn for application in warm-white phosphor-converted LEDs - optical properties and magnetic resonance characterization. <i>Dalton Transactions</i> , 2019 , 48, 5361-5371	4.3 21
152	Temperature and time dependent photoluminescence of single crystalline KEu(WO ₄) ₂ . <i>Journal of Luminescence</i> , 2019 , 215, 116653	3.8 6
151	Characterization of Micro- and Nanoscale LuPO ₄ :Pr ³⁺ ,Nd ³⁺ with Strong UV-C Emission to Reduce X-Ray Doses in Radiation Therapy. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1900280	3.1 10
150	Solid-State Phosphorescence of A ₂ [W ₆ I ₁₄] with A = PPN, PPh ₄ . <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 4014-4019	2.3 6
149	High-Pressure Synthesis, Crystal Structure, and Photoluminescence Properties of Ba ₂ B ₄ O ₉ :Eu ³⁺ . <i>Inorganics</i> , 2019 , 7, 136	2.9
148	On the sensitization of Eu with Ce and Tb by composite structured CaLuHfAlO garnet phosphors for blue LED excitation. <i>Dalton Transactions</i> , 2018 , 48, 315-323	4.3 17
147	Flicker Reduction of AC LEDs by Mn ²⁺ -Doped Apatite Phosphor. <i>ECS Journal of Solid State Science and Technology</i> , 2018 , 7, R21-R26	2 5
146	Temperature dependent optical properties of red emitting Na ₃ GaF ₆ :Mn ⁴⁺ as a color converter for warm white LEDs. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018 , 233, 489-499	1 5
145	Na ₃ GaF ₆ [A crystal chemical and solid state NMR spectroscopic study. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018 , 233, 479-487	1 2
144	Photoluminescence and energy transfer behavior of narrow band red light emitting LiBaTb(MoO):Eu. <i>Dalton Transactions</i> , 2018 , 47, 1520-1529	4.3 24
143	Uranyl sensitized Eu ³⁺ luminescence in Ln(UO ₂) ₃ (PO ₄) ₂ (OH)·nH ₂ O phosphors (Ln = Y, Eu, La) for warm-white light emitting diodes. <i>Journal of Luminescence</i> , 2018 , 196, 431-436	3.8 7

142	Fabrication and characterization of UV-emitting nanoparticles as novel radiation sensitizers targeting hypoxic tumor cells. <i>Optical Materials</i> , 2018 , 80, 197-202	3.3	13
141	On the photoluminescence of InBO ₃ and TbBO ₃ doped by Eu ³⁺ and Ce ³⁺ . <i>Materials Research Bulletin</i> , 2018 , 104, 27-37	5.1	5
140	An UV-C/B emitting Xe excimer discharge lamp comprising BaZrSi ₃ O ₉ [A lamp performance and phosphor degradation analysis. <i>Journal of Luminescence</i> , 2018 , 200, 1-8	3.8	4
139	UV C luminescence of a modified zirconium silicate framework upon cathode ray and VUV excitation. <i>Journal of Luminescence</i> , 2018 , 198, 410-417	3.8	3
138	Measurement Approach for Monitoring Time-Dependent Intensity Variations of Commercial Light Sources. <i>ECS Journal of Solid State Science and Technology</i> , 2018 , 7, R3148-R3157	2	1
137	Warm-white LED with ultra high luminous efficacy due to sensitisation of Eu ³⁺ photoluminescence by the uranyl moiety in K ₄ (UO ₂)Eu ₂ (Ge ₂ O ₇) ₂ . <i>Journal of Materials Chemistry C</i> , 2018 , 6, 6966-6974	7.1	10
136	The effect of X-ray exposure on Ba ₂ SiO ₄ :Eu ³⁺ . <i>Optics Communications</i> , 2018 , 410, 617-622	2	3
135	Colloidal LaPO ₄ :Gd nanocrystals: X-ray induced single line UV emission. <i>Nanoscale</i> , 2018 , 10, 22533-22540	7.7	7
134	On the Photo- and Cathodoluminescence of LaB ₃ O ₆ :Gd,Bi, Y ₃ Al ₅ O ₁₂ :Pr, Y ₃ Al ₅ O ₁₂ :Gd, Lu ₃ Al ₅ O ₁₂ :Pr, and Lu ₃ Al ₅ O ₁₂ :Gd. <i>ECS Journal of Solid State Science and Technology</i> , 2018 , 7, R206-R214	2	5
133	Gd ₃ Li ₃ Te ₂ O ₁₂ :U ⁶⁺ ,Eu ³⁺ : A Tunable Red Emitting Garnet Showing Efficient U ⁶⁺ to Eu ³⁺ Energy Transfer at Room Temperature. <i>Inorganics</i> , 2018 , 6, 84	2.9	1
132	Deep Ultraviolet Emitting Scintillators for Biomedical Applications: The Hard Way of Downsizing LuPO ₄ :Pr ³⁺ . <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1800282	3.1	9
131	Influence of Ga ³⁺ Substitution on the Spectroscopic Properties of Ce ³⁺ Doped Tb ₃ (Al,Ga) ₅ O ₁₂ Garnet Phosphors. <i>ECS Journal of Solid State Science and Technology</i> , 2018 , 7, R142-R148	2	2
130	Temperature dependent photoluminescence of Cr ³⁺ doped Sr ₈ MgLa(PO ₄) ₇ . <i>Optical Materials</i> , 2018 , 85, 341-348	3.3	39
129	Properties Design: Prediction and Experimental Validation of the Luminescence Properties of a New Eu -Based Phosphor. <i>Chemistry - A European Journal</i> , 2018 , 24, 16276-16281	4.8	7
128	Old and New Insights into Structure and Properties of Eu ₂ [SiO ₄]. <i>Crystal Growth and Design</i> , 2018 , 18, 6316-6325	3.5	2
127	A detailed aging analysis of MPO ₄ :X (M = Y ³⁺ , La ³⁺ , Lu ³⁺ ; X = Bi ³⁺ , Pr ³⁺ , Gd ³⁺) due to the Xe excimer discharge. <i>Journal of Luminescence</i> , 2018 , 202, 450-460	3.8	2
126	Temperature dependent Cr ³⁺ photoluminescence in garnets of the type X ₃ Sc ₂ Ga ₃ O ₁₂ (X = Lu, Y, Gd, La). <i>Journal of Luminescence</i> , 2018 , 202, 523-531	3.8	101
125	Suppression of metal-to-metal charge transfer quenching in Ce ³⁺ and Eu ³⁺ comprising garnets by core-shell structure. <i>Journal of Luminescence</i> , 2018 , 203, 467-472	3.8	8

124	Optical Properties of Red Emitting HK ₃ SnF ₈ :Mn ⁴⁺ as a Color Converter for Next Generation Warm White LEDs. <i>ECS Journal of Solid State Science and Technology</i> , 2018 , 7, R111-R113	2	7
123	Luminescence properties of silicate apatite phosphors M ₂ La ₈ Si ₆ O ₂₆ :Eu (M = Mg, Ca, Sr). <i>Journal of Luminescence</i> , 2017 , 191, 51-55	3.8	20
122	Site selective, time and temperature dependent spectroscopy of Eu ³⁺ doped apatites (Mg,Ca,Sr) $2Y_8Si_6O_{26}$. <i>Journal of Luminescence</i> , 2017 , 186, 205-211	3.8	12
121	On the influence of calcium substitution to the optical properties of Cr ³⁺ doped SrSc ₂ O ₄ . <i>Journal of Luminescence</i> , 2017 , 190, 234-241	3.8	62
120	Mixed europium valence in Eu _{0.937} Ba ₈ [BN ₂] ₆ structure and spectroscopic behavior. <i>Solid State Sciences</i> , 2017 , 70, 86-92	3.4	
119	The optical properties of Sr ₃ SiAl ₁₀ O ₂₀ and Sr ₃ SiAl ₁₀ O ₂₀ :Mn ⁴⁺ . <i>Journal of Physics and Chemistry of Solids</i> , 2017 , 110, 180-186	3.9	15
118	Novel red-emitting nitridoborates - SrBa ₈ [BN ₂] ₆ :Ln ^{2+/3+} (Ln=Pr ³⁺ , Eu ²⁺). <i>Journal of Luminescence</i> , 2017 , 187, 513-520	3.8	3
117	Synthesis, Luminescence and Nonlinear Optical Properties of Homoleptic Tetracyanamidogermanates ARE[Ge(CN ₂) ₄] (A = K, Cs, and RE = La, Ce, Pr, Nd, Sm, Eu, Gd). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 488-494	1.3	5
116	Crystal Structure and Luminescence Properties of the First Hydride Oxide Chloride with Divalent Europium: LiEu ₂ HOCl ₂ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 1525-1530	1.3	16
115	Preparation and Luminescence of Cluster Compounds [W ₆ Br ₈ L ₆] ₂ with L = CF ₃ COO and C ₇ H ₇ SO ₃ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 1451-1455	1.3	4
114	Luminescence and luminescence quenching of efficient GdB ₅ O ₉ :Eu ³⁺ red phosphors. <i>Journal of Luminescence</i> , 2017 , 192, 520-526	3.8	15
113	Red emitting K ₂ NbF ₇ :Mn ⁴⁺ and K ₂ TaF ₇ :Mn ⁴⁺ for warm-white LED applications. <i>Journal of Luminescence</i> , 2017 , 192, 644-652	3.8	64
112	Ligand Influence on the Photophysical Properties and Electronic Structures of Tungsten Iodide Clusters. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 5387-5394	2.3	13
111	The influence of Na ₂ CO ₃ flux on photoluminescence properties of SrSi ₂ O ₂ N ₂ :Eu ²⁺ phosphor. <i>Ceramics International</i> , 2017 , 43, 12381-12387	5.1	6
110	On the synthesis, phase optimisation and luminescence of some rare earth pyrosilicates. <i>Journal of Luminescence</i> , 2017 , 190, 451-456	3.8	3
109	From metals to nitrides - Syntheses and reaction details of binary rare earth systems. <i>Journal of Alloys and Compounds</i> , 2017 , 693, 291-302	5.7	10
108	Luminescence Quenching of Ligand-Substituted Molybdenum and Tungsten Halide Clusters by Oxygen and Their Oxidation Electrochemistry. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 4259-4266	2.3	11
107	Eu ₂ (CN ₂) ₃ and KEu[Si(CN ₂) ₄]: Missing Members of the Rare Earth Metal Carbodiimide and Tetracyanamidosilicate Series. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4011-4016	2.3	5

106	Characterization of Ax[W6I14] as Key Compounds for Ligand-Substituted A2[W6I8L6] Clusters. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 5063-5067	2.3	15
105	Europium-enabled luminescent single crystal and bulk YAG and YGG for optical imaging. <i>Optical Materials</i> , 2016 , 60, 467-473	3.3	13
104	(W6I8)Cl4 [A Basic Model Compound for Photophysically Active [(W6I8)L6]2 Clusters?. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 1435-1438	1.3	5
103	Photochemical synthesis of CeO2 nanoscale particles using sodium azide as a photoactive material: effects of the annealing temperature and polyvinylpyrrolidone addition. <i>RSC Advances</i> , 2016 , 6, 107065-107074	3.7	7
102	Room temperature red emitting carbodiimide compound Ca(CN2):Mn2+. <i>Optical Materials</i> , 2016 , 59, 126-129	3.3	11
101	Photoluminescence and afterglow of deep red emitting SrSc2O4:Eu2+. <i>RSC Advances</i> , 2016 , 6, 8483-8488	3.7	14
100	Temperature dependent luminescence Cr3+-doped GdAl3(BO3)4 and YAl3(BO3)4. <i>Journal of Luminescence</i> , 2016 , 171, 246-253	3.8	63
99	New NIR emitting phosphor for blue LEDs with stable light output up to 180 °C. <i>Journal of Luminescence</i> , 2016 , 172, 185-190	3.8	25
98	Photoluminescence of Pr 3+ -doped calcium and strontium stannates. <i>Journal of Luminescence</i> , 2016 , 172, 323-330	3.8	28
97	Defect-Related Luminescence in [Nitridoborate Nitride, Mg3Ga(BN2)N2. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 861-866	2.3	10
96	Molecular Oxygen Modulated Luminescence of an Octahedro-hexamolybdenum Iodide Cluster having Six Apical Thiocyanate Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 403-408	1.3	16
95	On the Photoluminescence Linearity of Eu2+-Based LED Phosphors upon High Excitation Density. <i>ECS Journal of Solid State Science and Technology</i> , 2016 , 5, R91-R97	2	16
94	Photochemically induced deposition of protective alumina coatings onto UV emitting phosphors for Xe excimer discharge lamps. <i>Materials Research Bulletin</i> , 2016 , 80, 249-255	5.1	7
93	Dependence of the optical properties of Mn 4+ activated A2Ge4O9 (A=K,Rb) on temperature and chemical environment. <i>Journal of Luminescence</i> , 2016 , 177, 354-360	3.8	40
92	A ligand substituted tungsten iodide cluster: luminescence vs. singlet oxygen production. <i>Dalton Transactions</i> , 2016 , 45, 15500-15506	4.3	31
91	Superstructure formation in SrBa8[BN2]6 and EuBa8[BN2]6. <i>Dalton Transactions</i> , 2016 , 45, 12078-86	4.3	7
90	The crystal structure and luminescence quenching of poly- and single-crystalline KYW2O8:Tb3+. <i>Journal of Luminescence</i> , 2015 , 166, 289-294	3.8	10
89	On the energy transfer in (Y,Gd)Al3(BO3)4:Ln3+ (Ln = Tb3+, Dy3+). <i>Optical Materials</i> , 2015 , 46, 16-21	3.3	3

88	Eu(2+) luminescence in strontium aluminates. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 15236-49	3.6	112
87	Energy transfer and unusual decay behaviour of BaCa ₂ Si ₃ O ₉ :Eu(2+),Mn(2+) phosphor. <i>Dalton Transactions</i> , 2015 , 44, 10368-76	4.3	24
86	Luminescence and energy transfer of co-doped Sr ₅ MgLa ₂ (BO ₃) ₆ :Ce ³⁺ ,Mn ²⁺ . <i>RSC Advances</i> , 2015 , 5, 67979-67987	3.7	14
85	New Red-Emitting Phosphor La ₂ Zr ₃ (MoO ₄) ₉ :Eu ³⁺ and the Influence of Host Absorption on its Luminescence Efficiency. <i>Australian Journal of Chemistry</i> , 2015 , 68, 1727	1.2	16
84	Photon cascade emission in Pr ³⁺ doped fluorides with CaF ₂ structure: Application of a model for its prediction. <i>Chemical Physics Letters</i> , 2015 , 620, 29-34	2.5	8
83	Structural and luminescence studies of the new nitridomagnesoaluminate CaMg ₂ AlN ₃ . <i>Dalton Transactions</i> , 2015 , 44, 2819-26	4.3	10
82	Determination of vis and NIR quantum yields of Nd ³⁺ -activated garnets sensitized by Ce ³⁺ . <i>Journal of Luminescence</i> , 2015 , 158, 365-370	3.8	28
81	Synthesis of new structurally related cyanamide compounds LiM(CN) ₂ where M is Al ³⁺ , In ³⁺ or Yb ³⁺ . <i>Materials Research Bulletin</i> , 2015 , 62, 37-41	5.1	16
80	Synthesis, Structure, and Luminescence of Rare Earth Cyanurates. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 134-140	2.3	6
79	Luminescence Matching with the Sensitivity Curve of the Human Eye: Optical Ceramics Mg _{8-8x} M _x (BN ₂) ₂ N ₄ with M = Al (x = 2) and M = Si (x = 1). <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 1716-1725	2.3	13
78	Cellular uptake and biocompatibility of bismuth ferrite harmonic advanced nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 815-24	6	24
77	Photoluminescence and energy transfer rates and efficiencies in Eu ³⁺ activated Tb ₂ Mo ₃ O ₁₂ . <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2054-2064	7.1	98
76	Synthesis and Photoluminescence Properties of the Red-Emitting Phosphor Mg ₃ (BN ₂) ₃ N Doped with Eu ²⁺ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 803-808	1.3	11
75	The Orthoperiodates of Calcium, Strontium, and Barium. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 977-981	2.3	3
74	KYW ₂ O ₈ :Eu ³⁺ A closer look on its photoluminescence and structure. <i>Journal of Luminescence</i> , 2015 , 159, 251-257	3.8	11
73	On the efficient luminescence of Na(La _{1-x} Pr _x)F ₄ . <i>Journal of Luminescence</i> , 2014 , 146, 302-306	3.8	12
72	Anomalous trapped exciton and d-f emission in Sr ₄ Al ₁₄ O ₂₅ :Eu ²⁺ . <i>Journal of Physical Chemistry A</i> , 2014 , 118, 1617-21	2.8	25
71	Dependence of the 5D ₀ -7F ₄ transitions of Eu ³⁺ on the local environment in phosphates and garnets. <i>Journal of Luminescence</i> , 2014 , 147, 290-294	3.8	54

70	Luminescence properties of Sm ³⁺ -doped alkaline earth ortho-stannates. <i>Optical Materials</i> , 2014 , 36, 1146-1152	3.3	26
69	On the luminescence and energy transfer of white emitting Ca ₃ Y ₂ (Si ₃ O ₉) ₂ :Ce ³⁺ ,Mn ²⁺ phosphor. <i>Journal of Luminescence</i> , 2014 , 155, 398-404	3.8	23
68	LiEuMo ₂ O ₈ crystal growth, structure, and optical properties. <i>Optical Materials</i> , 2014 , 36, 585-590	3.3	8
67	Nonlinear optical and magnetic properties of BiFeO ₃ harmonic nanoparticles. <i>Journal of Applied Physics</i> , 2014 , 116, 114306	2.5	25
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