Thomas JÃ¼stel

List of Publications by Year
in descending order

197 papers	8,240 citations	87723 38 h-index	51492 86 g-index
220 all docs	220 docs citations	220 times ranked	5860 citing authors

#	Article	IF	Citations
1	Carbodiimide Bridged Network Structure of [RE6O(NCN)6] Clusters in the Structure of RE8O(CN2)10Br2, REâ€‰=â€‰La, Ce, Pr, Nd. Journal of Cluster Science, 2023, 34, 1001-1008.	1.7	3
2	On the investigation of the energy transfer in Ca9Lu(PO4)7:Eu2+,Mn2+,Nd3+. Journal of Luminescence, 2022, 243, 118666.	1.5	3
3	UV emitting nanoparticles enhance the effect of ionizing radiation in 3D lung cancer spheroids. International Journal of Radiation Biology, 2022, 98, 1484-1494.	1.0	1
4	On the Tb3+ â†' Eu3+ energy transfer in KTb1-x(WO4)2: xEu3+ (x = 0â€“1). Journal of Luminescence, 2022, 244, 118754.	1.5	4
5	On the time and temperature dependent photoluminescence of Nd3+ and Gd3+ doped Lu3Al5O12. Journal of Luminescence, 2022, 246, 118830.	1.5	1
6	On the concentration dependence of the up-conversion process of Pr. Australian Journal of Chemistry, 2022, 75, 760-771.	0.5	2
7	Phenanthroline chromophore as efficient antenna for Tb3+ green luminescence: A theoretical study. Dyes and Pigments, 2021, 185, 108890.	2.0	18
8	On the Crystal Structure and Temperature Dependent Spectroscopy of the UV-C Emitting Phosphor Sr3(BO3)2:Pr3+,Na+. Journal of Luminescence, 2021, 230, 117765.	1.5	3
9	On the crystal structure and optical spectroscopy of rare earth comprising quaternary tungstates Li₃Ba₂RE₃(WO₄)₈ (RE = Laâ€“Nd, Smâ€“Ho). Dalton Transactions, 2021, 50, 9225-9235.	1.6	5
10	Moths are strongly attracted to ultraviolet and blue radiation. Insect Conservation and Diversity, 2021, 14, 188-198.	1.4	25
11	Optimization of the Synthesis and Energy Transfer of Ca2MgWO6:Cr3+,Nd3+. Inorganics, 2021, 9, 23.	1.2	4
12	A Novel Synthesis Pathway Towards Rare Earth Fluorides by Using Liquid and Solid State Hexafluorophosphate Salts. Journal of the Electrochemical Society, 2021, 168, 036502.	1.3	4
13	On the photoluminescence and energy transfer of SrGa12O19:Cr3+,Nd3+ microscale NIR phosphors. Journal of Materials Research and Technology, 2021, 11, 785-791.	2.6	11
14	Crystal structure, Magnetic and Photoluminescence Properties of GdW 6 Cl 15 , TbW 6 Cl 15 , and EuW 6 Cl 14. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1392-1396.	0.6	1
15	Watt-level europium laser at 703â€‰â€‰nm. Optics Letters, 2021, 46, 2702.	1.7	14
16	Hydrothermal Synthesis, Crystal Structure, and Spectroscopic Properties of Pure and Eu3+-Doped NaY[SO4]2 âˆ™ H2O and Its Anhydrate NaY[SO4]2. Crystals, 2021, 11, 575.	1.0	7
17	Solidâ€State Synthesis of (Ph₄P)MI₃ (M=Eu²⁺, Sr²⁺,) Tj ETQq1 1 0.784314 rgBT / European Journal of Inorganic Chemistry, 2021, 2021, 1846-1851.	1.0	1
18	Luminescence and up-conversion of single crystalline Lu3Al5O12:Pr3+. Journal of Luminescence, 2021, 234, 117987.	1.5	12

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19	Characterization of GAGG Doped with Extremely Low Levels of Chromium and Exhibiting Exceptional Intensity of Emission in NIR Region. Crystals, 2021, 11, 673.	1.0	7
20	X-ray and VUV excitation studies on Pr3+ activated Li2CaSiO4. Journal of Luminescence, 2021, 235, 118046.	1.5	1
21	On the time and temperature dependent photoluminescence of Pr3+ and Gd3+ doped Lu3Al5O12. Journal of Luminescence, 2021, 236, 118112.	1.5	2
22	First report of energy transfer from uranyl to Mn4+ in K3(UO2)F5:Mn4+. Journal of Luminescence, 2021, 237, 118085.	1.5	3
23	On the use of luminescent single crystals as optical reference materials. Journal of Luminescence, 2021, 238, 118289.	1.5	1
24	Temperature dependent luminescence of Pr3+ doped NaCaPO4. Journal of Luminescence, 2021, 238, 118307.	1.5	4
25	On the energy transfer from Pr3+ to Gd3+ in nanosized LuPO4 particles. Journal of Luminescence, 2021, 240, 118418.	1.5	1
26	Effect of Ga3+ doping on the luminescence and up-conversion of Pr3+ activated (Lu,Y)3Al5O12. Optical Materials: X, 2021, 12, 100117.	0.3	1
27	Structure, polymorphism and luminescence of cyanate iodides MI(OCN) (M = Ba, Eu, and Sr). Dalton Transactions, 2020, 49, 14133-14139.	1.6	1
28	Temperature and time-dependent luminescence of single crystals of KTb3F10. Journal of Luminescence, 2020, 227, 117523.	1.5	5
29	Energy transfer in supramolecular [Crypt-RE]-[W₆I₁₄] solids. Dalton Transactions, 2020, 49, 9795-9803.	1.6	2
30	Novel Radiation Device for Application in the UV-A and UV-B Range. ECS Journal of Solid State Science and Technology, 2020, 9, 065012.	0.9	3
31	Luminescence and luminescence quenching of K₂Bi(PO₄)(MoO₄):Sm³⁺ phosphors for horticultural and general lighting applications. Materials Advances, 2020, 1, 1427-1438.	2.6	8
32	Particle Size of Xâ€ray Pumped UVCâ€Emitting Nanoparticles Defines Intracellular Localization and Biological Activity Against Cancer Cells. Particle and Particle Systems Characterization, 2020, 37, 2000201.	1.2	1
33	Synthesis, Crystal Structure, and Luminescence of Metal Iodide Cluster Compounds (n Bu 4 N) 2 [M 6 I 8 (NCO) 6] with M = Mo, W. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1650-1654.	0.6	3
34	Synthesis and characterization of Sr3(PO4)2:Pr3+,Si4+. Journal of Luminescence, 2020, 225, 117376.	1.5	4
35	Photodynamic properties of tungsten iodide clusters incorporated into silicone: A2[M6I8L6]@silicone. RSC Advances, 2020, 10, 22257-22263.	1.7	14
36	Effective Sensitization of Eu3+ with Ce3+ by suppression of metal-to-metal charge transfer in composite structured TbF3 fluoride particles. Journal of Luminescence, 2020, 223, 117232.	1.5	5

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37	Seawater activated TiO2 photocatalyst for degradation of organic compounds. Sustainable Chemistry and Pharmacy, 2020, 16, 100251.	1.6	6
38	Solidâ€State Preparation and Luminescence Investigation of Rare Earth Iodide Carbodiimide Nitrides RE₂I(CN₂)N (RE = La, Gd) and LaI(CN₂). European Journal of Inorganic Chemistry, 2020, 2020, 3954-3958.	1.0	5
39	Modelling and Experimental Investigation of Luminous Coupling in UVLED Driven Optical Fiber Reactors. Journal of Photocatalysis, 2020, 1, 50-60.	0.4	1
40	Temperature and time dependent photoluminescence of single crystalline KEu(WO4)2. Journal of Luminescence, 2019, 215, 116653.	1.5	9
41	Characterization of Microâ€and Nanoscale LuPO₄:Pr³⁺,Nd³⁺ with Strong UVâ€C Emission to Reduce Xâ€Ray Doses in Radiation Therapy. Particle and Particle Systems Characterization, 2019, 36, 1900280.	1.2	16
42	Solidâ€State Phosphorescence of A 2 [W 6 I 14] with A = PPN, PPh 4. European Journal of Inorganic Chemistry, 2019, 2019, 4014-4019.	1.0	8
43	Synthesis, structure and properties of a calcium oxonitridosilicate phosphor showing green or red luminescence upon doping with Eu²⁺ or Ce³⁺. Dalton Transactions, 2019, 48, 14069-14076.	1.6	5
44	On the temperature and time dependent photoluminescence of Lu3Al5O12:Gd3+. Journal of Luminescence, 2019, 216, 116729.	1.5	5
45	On the sensitization of Eu³⁺ with Ce³⁺ and Tb³⁺ by composite structured Ca₂LuHf₂Al₃O₁₂ garnet phosphors for blue LED excitation. Dalton Transactions, 2019, 48, 315-323.	1.6	20
46	(INVITED) Eu3+ activated molybdates â€“ Structure property relations. Optical Materials: X, 2019, 1, 100015.	0.3	13
47	On a blue emitting phosphor Na₃RbMg₇(PO₄)₆:Eu²⁺ showing ultra high thermal stability. Journal of Materials Chemistry C, 2019, 7, 6012-6021.	2.7	34
48	Red-emitting K₃HF₂WO₂F₄:Mn⁴⁺ for application in warm-white phosphor-converted LEDs â€“ optical properties and magnetic resonance characterization. Dalton Transactions, 2019, 48, 5361-5371.	1.6	30
49	High-Pressure Synthesis, Crystal Structure, and Photoluminescence Properties of Î²-Y2B4O9:Eu3+. Inorganics, 2019, 7, 136.	1.2	0
50	UVC-Emitting LuPO4:Pr3+ Nanoparticles Decrease Radiation Resistance of Hypoxic Cancer Cells. Radiation Research, 2019, 193, 82.	0.7	7
51	Flicker Reduction of AC LEDs by Mn²⁺Doped Apatite Phosphor. ECS Journal of Solid State Science and Technology, 2018, 7, R21-R26.	0.9	8
52	Temperature dependent optical properties of red emitting Na₃GaF₆:Mn⁴⁺as a color converter for warm white LEDs. Zeitschrift Fur Kristallographie - Crystalline Materials, 2018, 233, 489-499.	0.4	6
53	Na3GaF6 â€“ A crystal chemical and solid state NMR spectroscopic study. Zeitschrift Fur Kristallographie - Crystalline Materials, 2018, 233, 479-487.	0.4	2
54	Photoluminescence and energy transfer behavior of narrow band red light emitting Li₃Ba₂Tb₃(MoO₄)₈:Eu³⁺. Dalton Transactions, 2018, 47, 1520-1529.	1.6	31

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55	Uranyl sensitized Eu3+ luminescence in Ln(UO2)3(PO4)2O(OH)Â·6H2O phosphors (Ln = Y, Eu, La) for warm-white light emitting diodes. Journal of Luminescence, 2018, 196, 431-436.	1.5	8
56	Fabrication and characterization of UV-emitting nanoparticles as novel radiation sensitizers targeting hypoxic tumor cells. Optical Materials, 2018, 80, 197-202.	1.7	17
57	On the photoluminescence of InBO3 and TbBO3 doped by Eu3+ and Ce3+. Materials Research Bulletin, 2018, 104, 27-37.	2.7	5
58	An UV-C/B emitting Xe excimer discharge lamp comprising BaZrSi3O9 â€“ A lamp performance and phosphor degradation analysis. Journal of Luminescence, 2018, 200, 1-8.	1.5	8
59	UV C luminescence of a modified zirconium silicate framework upon cathode ray and VUV excitation. Journal of Luminescence, 2018, 198, 410-417.	1.5	3
60	Measurement Approach for Monitoring Time-Dependent Intensity Variations of Commercial Light Sources. ECS Journal of Solid State Science and Technology, 2018, 7, R3148-R3157.	0.9	5
61	The effect of X-ray exposure on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml3" display="inline" overflow="scroll" altimg="si3.gif"><mml:msub><mml:mrow><mml:mi mathvariant="normal">Ba</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">SiO</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:math>:<m xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml4" display="inline" overflow="scroll" alti... Optics Communications, 2018, 410, 617-622.	1.0	6
62	Colloidal LaPO₄:Gd³⁺ nanocrystals: X-ray induced single line UV emission. Nanoscale, 2018, 10, 22533-22540.	2.8	10
63	On the Photo- and Cathodoluminescence of LaB₃O₆:Gd,Bi, Y₃Al₅O₁₂:Pr, Y₃Al₅O₁₂:Gd, Lu₃Al₅O₁₂:Pr, and Lu₃Al₅O₁₂:Gd. ECS Journal of Solid State Science and Technology, 2018, 7, R206-R214.	0.9	8
64	Gd3Li3Te2O12:U6+,Eu3+: A Tunable Red Emitting Garnet Showing Efficient U6+ to Eu3+ Energy Transfer at Room Temperature. Inorganics, 2018, 6, 84.	1.2	3
65	Deep Ultraviolet Emitting Scintillators for Biomedical Applications: The Hard Way of Downsizing LuPO₄:Pr³⁺. Particle and Particle Systems Characterization, 2018, 35, 1800282.	1.2	15
66	Influence of Ga³⁺Substitution on the Spectroscopic Properties of Ce³⁺Doped Tb₃(Al,Ga)₅O₁₂Garnet Phosphors. ECS Journal of Solid State Science and Technology, 2018, 7, R142-R148.	0.9	4
67	Temperature dependent photoluminescence of Cr3+ doped Sr8MgLa(PO4)7. Optical Materials, 2018, 85, 341-348.	1.7	78
68	Properties Design: Prediction and Experimental Validation of the Luminescence Properties of a New Eu^{II}â€Based Phosphor. Chemistry - A European Journal, 2018, 24, 16276-16281.	1.7	11
69	Old and New Insights into Structure and Properties of Eu₂[SiO₄]. Crystal Growth and Design, 2018, 18, 6316-6325.	1.4	5
70	A detailed aging analysis of MPO4:X (M = Y3+, La3+, Lu3+; Xâ€¯=â€¯Bi3+, Pr3+, Gd3+) due to the Xe excimer discharge. Journal of Luminescence, 2018, 202, 450-460.	1.5	3
71	Temperature dependent Cr3+ photoluminescence in garnets of the type X3Sc2Ga3O12 (Xâ€¯=â€¯Lu, Y, Gd, La). Journal of Luminescence, 2018, 202, 523-531.	1.5	190
72	Suppression of metal-to-metal charge transfer quenching in Ce3+ and Eu3+ comprising garnets by core-shell structure. Journal of Luminescence, 2018, 203, 467-472.	1.5	11

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73	Communicationâ€"Optical Properties of Red Emitting HK3SnF8:Mn4+as a Color Converter for Next Generation WarmÂWhite LEDs. ECS Journal of Solid State Science and Technology, 2018, 7, R111-R113.	0.9	9
74	Warm-white LED with ultra high luminous efficacy due to sensitisation of Eu³⁺photoluminescence by the uranyl moiety in K₄(UO₂)Eu₂(Ge₂O₇)₂. Journal of Materials Chemistry C, 2018, 6, 6966-6974.	2.7	17
75	Luminescence properties of silicate apatite phosphors M2La8Si6O26:Eu (M = Mg, Ca, Sr). Journal of Luminescence, 2017, 191, 51-55.	1.5	30
76	Site selective, time and temperature dependent spectroscopy of Eu3+ doped apatites (Mg,Ca,Sr)2Y8Si6O26. Journal of Luminescence, 2017, 186, 205-211.	1.5	18
77	On the influence of calcium substitution to the optical properties of Cr3+ doped SrSc2O4. Journal of Luminescence, 2017, 190, 234-241.	1.5	93
78	Mixed europium valence in Eu0.937Ba8[BN2]6 â€" Structure and spectroscopic behavior. Solid State Sciences, 2017, 70, 86-92.	1.5	0
79	The optical properties of Sr 3 SiAl 10 O 20 and Sr 3 SiAl 10 O 20 :Mn 4+. Journal of Physics and Chemistry of Solids, 2017, 110, 180-186.	1.9	19
80	Novel red-emitting nitridoborates - SrBa 8 [BN 2] 6 :Ln 2+/3+ (Ln=Pr 3+ , Eu 2+). Journal of Luminescence, 2017, 187, 513-520.	1.5	3
81	Synthesis, Luminescence and Nonlinear Optical Properties of Homoleptic Tetracyanamidogermanates ARE[Ge(CN₂)₄] (A = K, Cs, and RE = La, Ce, Pr, Nd, Sm, Eu,) Tj ETQq1 1 0.784314 rgBT /(	0.6	8
82	Crystal Structure and Luminescence Properties of the First Hydride Oxide Chloride with Divalent Europium: LiEu₂HOCl₂. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1525-1530.	0.6	19
83	Preparation and Luminescence of Cluster Compounds [W6Br8L6]2-with L = CF3COO and C7H7SO3. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1451-1455.	0.6	5
84	Luminescence and luminescence quenching of efficient GdB5O9:Eu3+ red phosphors. Journal of Luminescence, 2017, 192, 520-526.	1.5	17
85	Red emitting K2NbF7:Mn4+ and K2TaF7:Mn4+ for warm-white LED applications. Journal of Luminescence, 2017, 192, 644-652.	1.5	87
86	Ligand Influence on the Photophysical Properties and Electronic Structures of Tungsten Iodide Clusters. European Journal of Inorganic Chemistry, 2017, 2017, 5387-5394.	1.0	16
87	The influence of Na2CO3 flux on photoluminescence properties of SrSi2O2N2:Eu2+ phosphor. Ceramics International, 2017, 43, 12381-12387.	2.3	10
88	On the synthesis, phase optimisation and luminescence of some rare earth pyrosilicates. Journal of Luminescence, 2017, 190, 451-456.	1.5	3
89	From metals to nitrides - Syntheses and reaction details of binary rare earth systems. Journal of Alloys and Compounds, 2017, 693, 291-302.	2.8	15
90	Luminescence Quenching of Ligandâ€Substituted Molybdenum and Tungsten Halide Clusters by Oxygen and Their Oxidation Electrochemistry. European Journal of Inorganic Chemistry, 2017, 2017, 4259-4266.	1.0	15

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91	On the Luminescence of (Ba0.5Sr0.5)2SiO4:Eu3+ upon X-ray Exposure. , 2017, , .		0
92	Defect-Related Luminescence in ÂNitridoborate Nitride, Mg3Ga(BN2)N2. European Journal of Inorganic Chemistry, 2016, 2016, 861-866.	1.0	11
93	Molecular Oxygen Modulated Luminescence of an Octahedroâ€hexamolybdenum Iodide Cluster having Six Apical Thiocyanate Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 403-408.	0.6	20
94	On the Photoluminescence Linearity of Eu²⁺Based LED Phosphors upon High Excitation Density. ECS Journal of Solid State Science and Technology, 2016, 5, R91-R97.	0.9	21
95	Photochemically induced deposition of protective alumina coatings onto UV emitting phosphors for Xe excimer discharge lamps. Materials Research Bulletin, 2016, 80, 249-255.	2.7	8
96	Dependence of the optical properties of Mn 4+ activated A 2 Ge 4 O 9 (A=K,Rb) on temperature and chemical environment. Journal of Luminescence, 2016, 177, 354-360.	1.5	45
97	A ligand substituted tungsten iodide cluster: luminescence vs. singlet oxygen production. Dalton Transactions, 2016, 45, 15500-15506.	1.6	37
98	Superstructure formation in SrBa₈[BN₂]₆and EuBa₈[BN₂]₆. Dalton Transactions, 2016, 45, 12078-12086.	1.6	12
99	Eu₂(CN₂)₃ and KEu[Si(CN₂)₄]: Missing Members of the Rare Earth Metal Carbodiimide and Tetracyanamidosilicate Series. European Journal of Inorganic Chemistry, 2016, 2016, 4011-4016.	1.0	9
100	Characterization of Ax[W6I14] as Key Compounds for Ligand-Substituted A2[W6I8L6] Clusters. European Journal of Inorganic Chemistry, 2016, 2016, 5063-5067.	1.0	17
101	Europiumâ€“enabled luminescent single crystal and bulk YAG and YGG for optical imaging. Optical Materials, 2016, 60, 467-473.	1.7	23
102	(W₆I₈)Cl₄- A Basic Model Compound for Photophysically Active [(W₆I₈)L₆]²⁻Clusters?. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1435-1438.	0.6	5
103	Photochemical synthesis of CeO₂ nanoscale particles using sodium azide as a photoactive material: effects of the annealing temperature and polyvinylpyrrolidone addition. RSC Advances, 2016, 6, 107065-107074.	1.7	4
104	Room temperature red emitting carbodiimide compound Ca(CN2):Mn2+. Optical Materials, 2016, 59, 126-129.	1.7	14
105	Photoluminescence and afterglow of deep red emitting SrSc₂O₄:Eu²⁺. RSC Advances, 2016, 6, 8483-8488.	1.7	18
106	Temperature dependent luminescence Cr3+-doped GdAl3(BO3)4 and YAl3(BO3)4. Journal of Luminescence, 2016, 171, 246-253.	1.5	97
107	New NIR emitting phosphor for blue LEDs with stable light output up to 180 Â°C. Journal of Luminescence, 2016, 172, 185-190.	1.5	36
108	Photoluminescence of Pr 3+ -doped calcium and strontium stannates. Journal of Luminescence, 2016, 172, 323-330.	1.5	35

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109	Synthesis, Structure, and Luminescence of Rare Earth Cyanurates. European Journal of Inorganic Chemistry, 2015, 2015, 134-140.	1.0	7
110	Luminescence Matching with the Sensitivity Curve of the Human Eye: Optical Ceramics Mg8-xMx(BN2)2N4with M = Al (x= 2) and M = Si (x= 1). European Journal of Inorganic Chemistry, 2015, 2015, 1716-1725.	1.0	14
111	Cellular uptake and biocompatibility of bismuth ferrite harmonic advanced nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 815-824.	1.7	33
112	Photoluminescence and energy transfer rates and efficiencies in Eu³⁺activated Tb₂Mo₃O₁₂. Journal of Materials Chemistry C, 2015, 3, 2054-2064.	2.7	127
113	Synthesis and Photoluminescence Properties of the Redâ€Emitting Phosphor Mg₃(BN₂)N Doped with Eu²⁺. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 803-808.	0.6	13
114	The Orthoperiodates of Calcium, Strontium, and Barium. European Journal of Inorganic Chemistry, 2015, 2015, 977-981.	1.0	7
115	KYW2O8:Eu3+ â€“ A closer look on its photoluminescence and structure. Journal of Luminescence, 2015, 159, 251-257.	1.5	14
116	The crystal structure and luminescence quenching of poly- and single-crystalline KYW2O8:Tb3+. Journal of Luminescence, 2015, 166, 289-294.	1.5	15
117	On the energy transfer in (Y,Gd)Al3(BO3)4:Ln3+ (Ln = Tb3+, Dy3+). Optical Materials, 2015, 46, 16-21.	1.7	4
118	Eu²⁺luminescence in strontium aluminates. Physical Chemistry Chemical Physics, 2015, 17, 15236-15249.	1.3	147
119	Energy transfer and unusual decay behaviour of BaCa₂Si₃O₉:Eu²⁺,Mn²⁺ phosphor. Dalton Transactions, 2015, 44, 10368-10376.	1.6	32
120	Luminescence and energy transfer of co-doped Sr₅MgLa₂(BO₃)₆:Ce³⁺,Mn²⁺. RSC Advances, 2015, 5, 67979-67987.	1.7	18
121	New Red-Emitting Phosphor La2Zr3(MoO4)9:Eu3+ and the Influence of Host Absorption on its Luminescence Efficiency. Australian Journal of Chemistry, 2015, 68, 1727.	0.5	21
122	Photon cascade emission in Pr3+ doped fluorides with CaF2 structure: Application of a model for its prediction. Chemical Physics Letters, 2015, 620, 29-34.	1.2	11
123	Structural and luminescence studies of the new nitridomagnesoaluminate CaMg₂AlN₃. Dalton Transactions, 2015, 44, 2819-2826.	1.6	10
124	Determination of vis and NIR quantum yields of Nd3+-activated garnets sensitized by Ce3+. Journal of Luminescence, 2015, 158, 365-370.	1.5	31
125	Synthesis of new structurally related cyanamide compounds LiM(CN2)2 where M is Al3+, In3+ or Yb3+. Materials Research Bulletin, 2015, 62, 37-41.	2.7	20
126	Nonlinear optical and magnetic properties of BiFeO3 harmonic nanoparticles. Journal of Applied Physics, 2014, 116, .	1.1	32

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127	Synthesis and Optical Properties of Li3Ba2La3(MoO4)8:Sm3+ Powders for pcLEDs. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 183-192.	0.3	20
128	On the efficient luminescence of Î²-Na(La1â^'Pr)F4. Journal of Luminescence, 2014, 146, 302-306.	1.5	14
129	Anomalous Trapped Exciton and dâ€“f Emission in Sr4Al14O25:Eu2+. Journal of Physical Chemistry A, 2014, 118, 1617-1621.	1.1	30
130	Dependence of the 5D0â†'7F4 transitions of Eu3+ on the local environment in phosphates and garnets. Journal of Luminescence, 2014, 147, 290-294.	1.5	71
131	Luminescence properties of Sm3+-doped alkaline earth ortho-stannates. Optical Materials, 2014, 36, 1146-1152.	1.7	30
132	On the luminescence and energy transfer of white emitting Ca3Y2(Si3O9)2:Ce3+,Mn2+ phosphor. Journal of Luminescence, 2014, 155, 398-404.	1.5	24
133	LiEuMo2O8 â€“ crystal growth, structure, and optical properties. Optical Materials, 2014, 36, 585-590.	1.7	10
134	Solid State Complex Chemistry: Formation, Structure, and Properties of Homoleptic Tetracyanamidogermanates RbRE[Ge(CN₂)₄] (RE = La, Pr, Nd, Gd). Inorganic Chemistry, 2013, 52, 12372-12382.	1.9	22
135	Vacuum-UV excitation and visible luminescence of nano-scale and micro-scale NaLnF4:Pr3+ (Ln=Y, Lu). Optical Materials, 2013, 35, 2062-2067.	1.7	10
136	Synthesis and luminescent properties of red-emitting phosphors: ZnSiF6Â·6H2O and ZnGeF6Â·6H2O doped with Mn4+. Journal of Luminescence, 2013, 137, 88-92.	1.5	38
137	Luminescence and energy transfer in Lu3Al5O12 scintillators co-doped with Ce3+ and Pr3+. Optical Materials, 2013, 35, 322-331.	1.7	52
138	Luminescence and Luminescence Quenching in Gd₃(Ga,Al)₅O₁₂ Scintillators Doped with Ce³⁺. Journal of Physical Chemistry A, 2013, 117, 2479-2484.	1.1	186
139	Synthesis and optical properties of yellow emitting garnet phosphors for pcLEDs. Journal of Luminescence, 2013, 136, 17-25.	1.5	50
140	Red luminescence and persistent luminescence of Sr3Al2O5Cl2:Eu2+,Dy3+. Journal of Luminescence, 2013, 141, 150-154.	1.5	34
141	A Luminescent Material: La₃Cl(CN₂)O₃ Doped with Eu³⁺ or Tb³⁺ Ions. European Journal of Inorganic Chemistry, 2013, 2013, 3195-3199.	1.0	10
142	Synthesis and optical properties of Li3Ba2La3(MoO4)8:Eu3+ powders and ceramics for pcLEDs. Journal of Materials Chemistry, 2012, 22, 22126.	6.7	95
143	Luminescence and Energy Transfer in Lu₃Al₅O₁₂ Scintillators Co-Doped with Ce³⁺ and Tb³⁺. Journal of Physical Chemistry A, 2012, 116, 8464-8474.	1.1	98
144	Synthesis and optical properties of green emitting garnet phosphors for phosphor-converted light emitting diodes. Optical Materials, 2012, 34, 1195-1201.	1.7	44

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145	The effect of Alâ€“O substitution for Siâ€“N on the luminescence properties of YAG:Ce phosphor. Journal of the European Ceramic Society, 2012, 32, 1383-1387.	2.8	47
146	Towards the preparation of transparent LuAG:Nd3+ ceramics. Journal of the European Ceramic Society, 2012, 32, 3085-3089.	2.8	18
147	Concentration influence on temperature-dependent luminescence properties of samarium substituted strontium tetraborate. Journal of Luminescence, 2012, 132, 141-146.	1.5	19
148	Yellow persistent luminescence of Sr2SiO4:Eu2+,Dy3+. Journal of Luminescence, 2012, 132, 2398-2403.	1.5	31
149	Efficient cerium-based solâ€“gel derived phosphors in different garnet matrices for light-emitting diodes. Journal of Alloys and Compounds, 2011, 509, 6247-6251.	2.8	30
150	On the correlation between the composition of Pr3+ doped garnet type materials and their photoluminescence properties. Journal of Luminescence, 2011, 131, 2754-2761.	1.5	37
151	Synthesis of Y3â^'xLuxAl3MgSiO12 garnet powders by solâ€“gel method. Journal of Sol-Gel Science and Technology, 2011, 59, 311-314.	1.1	3
152	Synthesis and luminescent properties of novel Ba2â^'xEuxZr2â^'yHfySi3O12 phosphor. Optical Materials, 2011, 33, 1272-1277.	1.7	5
153	Synthesis and optical properties of green to orange tunable garnet phosphors for pcLEDs. Optical Materials, 2011, 33, 992-995.	1.7	34
154	Synthesis and photoluminescence properties of Sm3+-doped LaMgB5O10 and GdMgB5O10. Journal of Luminescence, 2011, 131, 1525-1529.	1.5	39
155	Synthesis and Sm2+/Sm3+ doping effects on photoluminescence properties of Sr4Al14O25. Journal of Luminescence, 2011, 131, 2255-2262.	1.5	31
156	Y3â^'xMg2AlSi2O12: phosphors â€“ prospective for warm-white light emitting diodes. Optical Materials, 2010, 32, 1261-1265.	1.7	65
157	Synthesis and Properties of Tetracyanamidosilicates ARE[Si(CN₂)₄]. Inorganic Chemistry, 2010, 49, 2954-2959.	1.9	27
158	The Synthesis and Luminescence of W₆Cl₁₂ and Mo₆Cl₁₂ Revisited. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 822-827.	0.6	29
159	Synthesis and optical properties of Ce3+-doped Y3Mg2AlSi2O12 phosphors. Journal of Luminescence, 2009, 129, 1356-1361.	1.5	118
160	The effect of calcium substitution on the afterglow of Eu2+/Dy3+ doped Sr4Al14O25. Open Chemistry, 2009, 7, 164-167.	1.0	2
161	Phase formation and characterization of Sr3Y2Ge3O12, Sr3In2Ge3O12, and Ca3Ga2Ge3O12 doped by trivalent europium. Journal of Luminescence, 2008, 128, 1649-1654.	1.5	19
162	CHARACTERIZATION OF CERIUM-DOPED YTTRIUM ALUMINIUM GARNET NANOPOWDERS SYNTHESIZED VIA SOL-GEL PROCESS. Chemical Engineering Communications, 2008, 195, 758-769.	1.5	28

#	Article	IF	Citations
163	Near-infrared luminescent nanomaterials for in-vivo optical imaging. Journal of Nanophotonics, 2008, 2, 021920.	0.4	12
164	Crystal Structures, Phase-Transition, and Photoluminescence of Rare Earth Carbodiimides. Inorganic Chemistry, 2008, 47, 10455-10460.	1.9	54
165	Optical Materials for Medical Applications: an Overview of Ultrafast Emitting Oxidic Pr3+ Scintillating Materials. Materials Research Society Symposia Proceedings, 2008, 1111, 1.	0.1	3
166	Infrared, Light, Ultraviolet, Laser- and X-ray-Tubes. , 2008, , 303-354.		0
167	Structural variations in rare earth benzoate complexes : Part II. Yttrium and terbium. CrystEngComm, 2007, 9, 1110.	1.3	42
168	Preparation and characterization of nanoscale lutetium aluminium garnet (LuAG) powders doped by Eu3+. Optical Materials, 2007, 29, 1505-1509.	1.7	36
169	Synthese von Y2O2(CN2) und Leuchtstoffeigenschaften von Y2O2(CN2):Eu. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 1686-1690.	0.6	38
170	Phase transition of YBO3. Journal of Thermal Analysis and Calorimetry, 2007, 88, 531-535.	2.0	17
171	Luminescence properties of SrSi2O2N2 doped with divalent rare earth ions. Journal of Luminescence, 2006, 121, 441-449.	1.5	213
172	Efficient Luminescence from Rare-Earth Fluoride Nanoparticles with Optically Functional Shells. Advanced Functional Materials, 2006, 16, 935-942.	7.8	116
173	Sol-Gel Preparation and Characterization of Codoped Yttrium Aluminium Garnet Powders. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 2987-2993.	0.6	34
174	Highly efficient all-nitride phosphor-converted white light emitting diode. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 1727-1732.	0.8	564
175	Temperature-dependent spectra of YPO4:Me (Me=Ce, Pr, Nd, Bi). Journal of Luminescence, 2004, 106, 225-233.	1.5	75
176	Inorganic Luminescent Materials: 100 Years of Research and Application. Advanced Functional Materials, 2003, 13, 511-516.	7.8	1,045
177	Thermoluminescence spectroscopy of Eu2+ and Mn2+ doped BaMgAl10O17. Journal of Luminescence, 2003, 101, 195-210.	1.5	65
178	Blue emitting BaMgAl10O17:Eu with a blue body color. Journal of Luminescence, 2003, 104, 137-143.	1.5	43
179	Highly efficient energy transfer from Ge-related defects to Tb3+ ions in solâ€“gel-derived glasses. Journal of Non-Crystalline Solids, 2003, 321, 225-230.	1.5	17
180	One dimensional energy transfer in lanthanoid picolinates. Correlation of structure and spectroscopy. New Journal of Chemistry, 2003, 27, 1070.	1.4	61

#	Article	IF	Citations
181	Phosphors for plasma-display panels: Demands and achieved performance. Journal of the Society for Information Display, 2002, 10, 63.	0.8	22
182	Quantum efficiency of down-conversion phosphor LiGdF4:Eu. Journal of Luminescence, 2001, 92, 245-254.	1.5	115
183	VUV spectroscopy of luminescent materials for plasma display panels and Xe discharge lamps. Journal of Luminescence, 2001, 93, 179-189.	1.5	293
184	Luminescence of solâ€“gel-derived silica doped with terbium-benzoate complex. Optical Materials, 2001, 18, 337-341.	1.7	30
185	16.3: Ionâ€Induced Secondary Electron Emission: A Comparative Study. Digest of Technical Papers SID International Symposium, 2000, 31, 220-223.	0.1	17
186	Optimization of Luminescent Materials for Plasma Display Panels. Advanced Materials, 2000, 12, 527-530.	11.1	128
187	Optimised co-activated willemite phosphors for application in plasma display panels. Journal of Luminescence, 2000, 87-89, 1246-1249.	1.5	56
188	Leuchtstoffe fÃ¼r aktive Displays: Neue Konzepte fÃ¼r flache Bildschirme erfordern speziell entwickelte Leuchtstoffe. Physik Journal, 2000, 56, 55-58.	0.1	4
189	Efficiently Emitting Rare-Earth Sodalites by Phase Transformation of Zeolite X and by Direct Synthesis. Advanced Materials, 1999, 11, 45-49.	11.1	32
190	The Molecular and Electronic Structure of Symmetrically and Asymmetrically Coordinated, Non-Heme Iron Complexes Containing [FeIII(Î¼-N)FeIV]4+ (S=3/2) and [FeIV(Î¼-N)FeIV]5+ (S=0) Cores. Chemistry - A European Journal, 1999, 5, 793-810.	1.7	63
191	New Developments in the Field of Luminescent Materials for Lighting and Displays. Angewandte Chemie - International Edition, 1998, 37, 3084-3103.	7.2	1,216
192	Ruthenium Complexes Containing â€œNoninnocentâ€•-Benzoquinone Diimine/o-Phenylenediamide(2â^') Ligands. Synthesis and Crystal Structure of the Nitrido-Bridged Complex [{LRu(o-C6H4(NH)2)}2(Î¼-N)](PF6)2Â·3CH3CNÂ·C6H5CH3. Inorganic Chemistry, 1998, 37, 35-43.	1.9	76
193	Î¼-Nitridodiiron Complexes with Asymmetric[FeIVï£½N-FeIII]4+ and Symmetric[FeIVï£¾Nï£¾FeIV]5+ Structural Elements. Angewandte Chemie International Edition in English, 1995, 34, 669-672.	4.4	49
	Einkernige Ruthenium(III)-Komplexe des Typs LRuX₃ (X = Cl⁻, NCO⁻,) Tj ETQq0 0 0 rgBT /Overlock		
194	Mononuclear Ruthenium (III) Complexes of the Type LRuX₃ (X = Cl⁻,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	0.3	11
	Chemical Sciences, 1994, 49, 330-336.		
195	Phosphors for Plasma Display Panels. , 0, , 61-73.		0
196	Quantum Dots and Nanophosphors. , 0, , 35-59.		2
197	Mn⁴⁺ Activated Deep Red Emitting Perovskite Type Phosphors for Horticulture Lighting. Advanced Materials Research, 0, 1167, 57-66.	0.3	0