Thomas Jstel

List of Publications by Citations

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	New Developments in the Field of Luminescent Materials for Lighting and Displays. *Angewandte Chemie - International Edition*, **1998**, 37, 3084-3103	16.4	1111
194	Inorganic Luminescent Materials: 100 Years of Research and Application. *Advanced Functional Materials*, **2003**, 13, 511-516	15.6	957
193	Highly efficient all-nitride phosphor-converted white light emitting diode. *Physica Status Solidi (A) Applications and Materials Science*, **2005**, 202, 1727-1732	1.6	510
192	VUV spectroscopy of luminescent materials for plasma display panels and Xe discharge lamps. *Journal of Luminescence*, **2001**, 93, 179-189	3.8	274
191	Luminescence properties of SrSi2O2N2 doped with divalent rare earth ions. *Journal of Luminescence*, **2006**, 121, 441-449	3.8	193
190	Luminescence and luminescence quenching in Gd3(Ga,Al)5O12 scintillators doped with Ce3+. *Journal of Physical Chemistry A*, **2013**, 117, 2479-84	2.8	146
189	Eu(2+) luminescence in strontium aluminates. *Physical Chemistry Chemical Physics*, **2015**, 17, 15236-49	3.6	112
188	Efficient Luminescence from Rare-Earth Fluoride Nanoparticles with Optically Functional Shells. *Advanced Functional Materials*, **2006**, 16, 935-942	15.6	110
187	Quantum efficiency of down-conversion phosphor LiGdF4:Eu. *Journal of Luminescence*, **2001**, 92, 245-254	3.8	107
186	Synthesis and optical properties of Ce3+-doped Y3Mg2AlSi2O12 phosphors. *Journal of Luminescence*, **2009**, 129, 1356-1361	3.8	105
185	Temperature dependent Cr3+ photoluminescence in garnets of the type X3Sc2Ga3O12 (X = Lu, Y, Gd, La). *Journal of Luminescence*, **2018**, 202, 523-531	3.8	101
184	Neue Entwicklungen auf dem Gebiet lumineszierender Materialien f□ Beleuchtungs- und Displayanwendungen. *Angewandte Chemie*, **1998**, 110, 3250-3271	3.6	99
183	Photoluminescence and energy transfer rates and efficiencies in Eu3+ activated Tb2Mo3O12. *Journal of Materials Chemistry C*, **2015**, 3, 2054-2064	7.1	98
182	Synthesis and optical properties of Li3Ba2La3(MoO4)8:Eu3+ powders and ceramics for pcLEDs. *Journal of Materials Chemistry*, **2012**, 22, 22126		91
181	Luminescence and energy transfer in Lu3Al5O12 scintillators co-doped with Ce3+ and Tb3+. *Journal of Physical Chemistry A*, **2012**, 116, 8464-74	2.8	90
180	Temperature-dependent spectra of YPO4:Me (Me=Ce, Pr, Nd, Bi). *Journal of Luminescence*, **2004**, 106, 225-233	3.8	70
179	Ruthenium Complexes Containing "Noninnocent" o-Benzoquinone Diimine/o-Phenylenediamide(2-) Ligands. Synthesis and Crystal Structure of the Nitrido-Bridged Complex [{LRu(o-C(6)H(4)(NH)(2))}(2)(&mgr;-N)](PF(6))(2).3CH(3)CN.C(6)H(5)CH(3). *Inorganic Chemistry*, **1998**, 37, 35-43	5.1	69

178	Red emitting K2NbF7:Mn4+ and K2TaF7:Mn4+ for warm-white LED applications. *Journal of Luminescence*, **2017**, 192, 644-652	3.8	64
177	Temperature dependent luminescence Cr3+-doped GdAl3(BO3)4 and YAl3(BO3)4. *Journal of Luminescence*, **2016**, 171, 246-253	3.8	63
176	On the influence of calcium substitution to the optical properties of Cr3+ doped SrSc2O4. *Journal of Luminescence*, **2017**, 190, 234-241	3.8	62
175	Thermoluminescence spectroscopy of Eu2+ and Mn2+ doped BaMgAl10O17. *Journal of Luminescence*, **2003**, 101, 195-210	3.8	61
174	Y3Mg2AlSi2O12: phosphors prospective for warm-white light emitting diodes. *Optical Materials*, **2010**, 32, 1261-1265	3.3	57
173	One dimensional energy transfer in lanthanoid picolinates. Correlation of structure and spectroscopy. *New Journal of Chemistry*, **2003**, 27, 1070	3.6	57
172	The Molecular and Electronic Structure of Symmetrically and Asymmetrically Coordinated, Non-Heme Iron Complexes Containing [FeIII(N)FeIV]4+ (S=3/2) and [FeIV(N)FeIV]5+ (S=0) Cores. *Chemistry - A European Journal*, **1999**, 5, 793-810	4.8	57
171	Dependence of the 5D0-7F4 transitions of Eu3+ on the local environment in phosphates and garnets. *Journal of Luminescence*, **2014**, 147, 290-294	3.8	54
170	Optimised co-activated willemite phosphors for application in plasma display panels. *Journal of Luminescence*, **2000**, 87-89, 1246-1249	3.8	52
169	Crystal structures, phase-transition, and photoluminescence of rare earth carbodiimides. *Inorganic Chemistry*, **2008**, 47, 10455-60	5.1	45
168	The effect of AlO substitution for SiN on the luminescence properties of YAG:Ce phosphor. *Journal of the European Ceramic Society*, **2012**, 32, 1383-1387	6	43
167	Luminescence and energy transfer in Lu3Al5O12 scintillators co-doped with Ce3+ and Pr3+. *Optical Materials*, **2013**, 35, 322-331	3.3	43
166	Synthesis and optical properties of yellow emitting garnet phosphors for pcLEDs. *Journal of Luminescence*, **2013**, 136, 17-25	3.8	43
165	Blue emitting BaMgAl10O17:Eu with a blue body color. *Journal of Luminescence*, **2003**, 104, 137-143	3.8	41
164	Structural variations in rare earth benzoate complexes. *CrystEngComm*, **2007**, 9, 1110	3.3	40
163	Nitridodiiron Complexes with Asymmetric [FeIV?N-FeIII]4+ and Symmetric [FeIV?N?FeIV]5+ Structural Elements. *Angewandte Chemie International Edition in English*, **1995**, 34, 669-672		40
162	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	3.8	40
161	Synthesis and optical properties of green emitting garnet phosphors for phosphor-converted light emitting diodes. *Optical Materials*, **2012**, 34, 1195-1201	3.3	39

160	Temperature dependent photoluminescence of Cr3+ doped Sr8MgLa(PO4)7. *Optical Materials*, **2018**, 85, 341-348	3.3	39
159	Synthese von Y2O2(CN2) und Leuchtstoffeigenschaften von Y2O2(CN2):Eu. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2007**, 633, 1686-1690	1.3	35
158	Preparation and characterization of nanoscale lutetium aluminium garnet (LuAG) powders doped by Eu3+. *Optical Materials*, **2007**, 29, 1505-1509	3.3	33
157	Synthesis and photoluminescence properties of Sm3+-doped LaMgB5O10 and GdMgB5O10. *Journal of Luminescence*, **2011**, 131, 1525-1529	3.8	32
156	Synthesis and luminescent properties of red-emitting phosphors: ZnSiF6·6H2O and ZnGeF6·6H2O doped with Mn4+. *Journal of Luminescence*, **2013**, 137, 88-92	3.8	31
155	Sol-Gel Preparation and Characterization of Codoped Yttrium Aluminium Garnet Powders. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2005**, 631, 2987-2993	1.3	31
154	A ligand substituted tungsten iodide cluster: luminescence vs. singlet oxygen production. *Dalton Transactions*, **2016**, 45, 15500-15506	4.3	31
153	On the correlation between the composition of Pr3+ doped garnet type materials and their photoluminescence properties. *Journal of Luminescence*, **2011**, 131, 2754-2761	3.8	30
152	Synthesis and optical properties of green to orange tunable garnet phosphors for pcLEDs. *Optical Materials*, **2011**, 33, 992-995	3.3	30
151	Luminescence of sol–gel-derived silica doped with terbium-benzoate complex. *Optical Materials*, **2001**, 18, 337-341	3.3	29
150	Determination of vis and NIR quantum yields of Nd3+-activated garnets sensitized by Ce3+. *Journal of Luminescence*, **2015**, 158, 365-370	3.8	28
149	Photoluminescence of Pr 3+ -doped calcium and strontium stannates. *Journal of Luminescence*, **2016**, 172, 323-330	3.8	28
148	Red luminescence and persistent luminescence of Sr3Al2O5Cl2:Eu2+,Dy3+. *Journal of Luminescence* , **2013**, 141, 150-154	3.8	27
147	Efficiently Emitting Rare-Earth Sodalites by Phase Transformation of Zeolite X and by Direct Synthesis. *Advanced Materials*, **1999**, 11, 45-49	24	27
146	Luminescence properties of Sm3+-doped alkaline earth ortho-stannates. *Optical Materials*, **2014**, 36, 1146-1152	3.3	26
145	Efficient cerium-based sol–gel derived phosphors in different garnet matrices for light-emitting diodes. *Journal of Alloys and Compounds*, **2011**, 509, 6247-6251	5.7	26
144	The Synthesis and Luminescence of W6Cl12 and Mo6Cl12 Revisited. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2009**, 635, 822-827	1.3	26
143	Synthesis and Sm2+/Sm3+ doping effects on photoluminescence properties of Sr4Al14O25. *Journal of Luminescence*, **2011**, 131, 2255-2262	3.8	26

142	New NIR emitting phosphor for blue LEDs with stable light output up to 180 °C. *Journal of Luminescence*, **2016**, 172, 185-190	3.8	25
141	Anomalous trapped exciton and d-f emission in Sr4Al14O25:Eu2+. *Journal of Physical Chemistry A*, **2014**, 118, 1617-21	2.8	25
140	Yellow persistent luminescence of Sr2SiO4:Eu2+,Dy3+. *Journal of Luminescence*, **2012**, 132, 2398-2403	3.8	25
139	Nonlinear optical and magnetic properties of BiFeO3 harmonic nanoparticles. *Journal of Applied Physics*, **2014**, 116, 114306	2.5	25
138	CHARACTERIZATION OF CERIUM-DOPED YTTRIUM ALUMINIUM GARNET NANOPOWDERS SYNTHESIZED VIA SOL-GEL PROCESS. *Chemical Engineering Communications*, **2008**, 195, 758-769	2.2	25
137	Energy transfer and unusual decay behaviour of BaCa2Si3O9:Eu(2+),Mn(2+) phosphor. *Dalton Transactions*, **2015**, 44, 10368-76	4.3	24
136	Photoluminescence and energy transfer behavior of narrow band red light emitting LiBaTb(MoO):Eu. *Dalton Transactions*, **2018**, 47, 1520-1529	4.3	24
135	Cellular uptake and biocompatibility of bismuth ferrite harmonic advanced nanoparticles. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2015**, 11, 815-24	6	24
134	On a blue emitting phosphor Na3RbMg7(PO4)6:Eu2+ showing ultra high thermal stability. *Journal of Materials Chemistry C*, **2019**, 7, 6012-6021	7.1	23
133	On the luminescence and energy transfer of white emitting Ca3Y2(Si3O9)2:Ce3+,Mn2+ phosphor. *Journal of Luminescence*, **2014**, 155, 398-404	3.8	23
132	Red-emitting KHFWOF:Mn for application in warm-white phosphor-converted LEDs - optical properties and magnetic resonance characterization. *Dalton Transactions*, **2019**, 48, 5361-5371	4.3	21
131	Luminescence properties of silicate apatite phosphors M2La8Si6O26:Eu (M = Mg, Ca, Sr). *Journal of Luminescence*, **2017**, 191, 51-55	3.8	20
130	Synthesis and properties of tetracyanamidosilicates ARE[Si(CN2)4]. *Inorganic Chemistry*, **2010**, 49, 2954-9	5.1	20
129	Elektrische Lichtquellen: Chemie in Lampen. *Chemie in Unserer Zeit*, **2006**, 40, 294-305	0.2	18
128	On the sensitization of Eu with Ce and Tb by composite structured CaLuHfAlO garnet phosphors for blue LED excitation. *Dalton Transactions*, **2018**, 48, 315-323	4.3	17
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	1	17
126	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	1.3	16
125	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	1.2	16

124	Synthesis of new structurally related cyanamide compounds LiM(CN2)2 where M is Al3+, In3+ or Yb3+. *Materials Research Bulletin*, **2015**, 62, 37-41	5.1	16
123	Towards the preparation of transparent LuAG:Nd3+ ceramics. *Journal of the European Ceramic Society*, **2012**, 32, 3085-3089	6	16
122	Concentration influence on temperature-dependent luminescence properties of samarium substituted strontium tetraborate. *Journal of Luminescence*, **2012**, 132, 141-146	3.8	16
121	Solid state complex chemistry: formation, structure, and properties of homoleptic tetracyanamidogermanates RbRE[Ge(CN2)4] (RE = La, Pr, Nd, Gd). *Inorganic Chemistry*, **2013**, 52, 12372-82	5.1	16
120	Phase transition of YBO3. *Journal of Thermal Analysis and Calorimetry*, **2007**, 88, 531-535	4.1	16
119	Phase formation and characterization of Sr3Y2Ge3O12, Sr3In2Ge3O12, and Ca3Ga2Ge3O12 doped by trivalent europium. *Journal of Luminescence*, **2008**, 128, 1649-1654	3.8	16
118	16.3: Ion-Induced Secondary Electron Emission: A Comparative Study. *Digest of Technical Papers SID International Symposium*, **2000**, 31, 220-223	0.5	16
117	Molecular Oxygen Modulated Luminescence of an Octahedro-hexamolybdenum Iodide Cluster having Six Apical Thiocyanate Ligands. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2016**, 642, 403-408	1.3	16
116	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	2	16
115	The optical properties of Sr3SiAl10O20 and Sr3SiAl10O20:Mn4+. *Journal of Physics and Chemistry of Solids*, **2017**, 110, 180-186	3.9	15
114	Characterization of Ax[W6I14] as Key Compounds for Ligand-Substituted A2[W6I8L6] Clusters. *European Journal of Inorganic Chemistry*, **2016**, 2016, 5063-5067	2.3	15
113	Luminescence and luminescence quenching of efficient GdB5O9:Eu3+ red phosphors. *Journal of Luminescence*, **2017**, 192, 520-526	3.8	15
112	Luminescence and energy transfer of co-doped Sr5MgLa2(BO3)6:Ce3+,Mn2+. *RSC Advances*, **2015**, 5, 67979-67987	3.7	14
111	Photoluminescence and afterglow of deep red emitting SrSc2O4:Eu2+. *RSC Advances*, **2016**, 6, 8483-8488	3.7	14
110	Highly efficient energy transfer from Ge-related defects to Tb3+ ions in sol–gel-derived glasses. *Journal of Non-Crystalline Solids*, **2003**, 321, 225-230	3.9	14
109	Fabrication and characterization of UV-emitting nanoparticles as novel radiation sensitizers targeting hypoxic tumor cells. *Optical Materials*, **2018**, 80, 197-202	3.3	13
108	Europium-enabled luminescent single crystal and bulk YAG and YGG for optical imaging. *Optical Materials*, **2016**, 60, 467-473	3.3	13
107	Ligand Influence on the Photophysical Properties and Electronic Structures of Tungsten Iodide Clusters. *European Journal of Inorganic Chemistry*, **2017**, 2017, 5387-5394	2.3	13

106	Luminescence Matching with the Sensitivity Curve of the Human Eye: Optical Ceramics Mg8□Mx(BN2)2N4 with M = Al (x = 2) and M = Si (x = 1). *European Journal of Inorganic Chemistry*, **2015**, 2015, 1716-1725	2.3	13
105	Site selective, time and temperature dependent spectroscopy of Eu 3+ doped apatites (Mg,Ca,Sr) 2 Y 8 Si 6 O 26. *Journal of Luminescence*, **2017**, 186, 205-211	3.8	12
104	On the efficient luminescence of □Na(La1□Prx)F4. *Journal of Luminescence*, **2014**, 146, 302-306	3.8	12
103	Room temperature red emitting carbodiimide compound Ca(CN2):Mn2+. *Optical Materials*, **2016**, 59, 126-129	3.3	11
102	Luminescence Quenching of Ligand-Substituted Molybdenum and Tungsten Halide Clusters by Oxygen and Their Oxidation Electrochemistry. *European Journal of Inorganic Chemistry*, **2017**, 2017, 4259-4266	2.3	11
101	Synthesis and Photoluminescence Properties of the Red-Emitting Phosphor Mg3(BN2)N Doped with Eu2+. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2015**, 641, 803-808	1.3	11
100	KYW2O8:Eu3+ □A closer look on its photoluminescence and structure. *Journal of Luminescence*, **2015**, 159, 251-257	3.8	11
99	Einkernige Ruthenium(III)-Komplexe des Typs LRuX3 (X = Cl-, NCO-, NCS-, N-3; L = 1,4,7-Trimethyl-1,4,7-triazacyclononan) / Mononuclear Ruthenium (III) Complexes of the Type LRuX3 (X = Cl-, NCO-, NCS-, N-3; L = 1,4,7-Trimethyl-1,4,7-triazacyclononane). *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **1994**, 49, 330-336	1	11
98	The crystal structure and luminescence quenching of poly- and single-crystalline KYW2O8:Tb3+. *Journal of Luminescence*, **2015**, 166, 289-294	3.8	10
97	Structural and luminescence studies of the new nitridomagnesoaluminate CaMg2AlN3. *Dalton Transactions*, **2015**, 44, 2819-26	4.3	10
96	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	7.1	10
95	Characterization of Micro- and Nanoscale LuPO4:Pr3+,Nd3+ with Strong UV-C Emission to Reduce X-Ray Doses in Radiation Therapy. *Particle and Particle Systems Characterization*, **2019**, 36, 1900280	3.1	10
94	From metals to nitrides - Syntheses and reaction details of binary rare earth systems. *Journal of Alloys and Compounds*, **2017**, 693, 291-302	5.7	10
93	Moths are strongly attracted to ultraviolet and blue radiation. *Insect Conservation and Diversity*, **2021**, 14, 188-198	3.8	10
92	Defect-Related Luminescence in □Nitridoborate Nitride, Mg3Ga(BN2)N2. *European Journal of Inorganic Chemistry*, **2016**, 2016, 861-866	2.3	10
91	Photodynamic properties of tungsten iodide clusters incorporated into silicone: A[MIL]@silicone.. *RSC Advances*, **2020**, 10, 22257-22263	3.7	9
90	Vacuum-UV excitation and visible luminescence of nano-scale and micro-scale NaLnF4:Pr3+ (Ln=Y, Lu). *Optical Materials*, **2013**, 35, 2062-2067	3.3	9
89	Near-infrared luminescent nanomaterials for in-vivo optical imaging. *Journal of Nanophotonics*, **2008**, 2, 021920	1.1	9

88	Deep Ultraviolet Emitting Scintillators for Biomedical Applications: The Hard Way of Downsizing LuPO4:Pr3+. *Particle and Particle Systems Characterization*, **2018**, 35, 1800282	3.1	9
87	Photon cascade emission in Pr3+ doped fluorides with CaF2 structure: Application of a model for its prediction. *Chemical Physics Letters*, **2015**, 620, 29-34	2.5	8
86	LiEuMo2O8 – crystal growth, structure, and optical properties. *Optical Materials*, **2014**, 36, 585-590	3.3	8
85	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	3.8	8
84	(INVITED) Eu3+ activated molybdates – Structure property relations. *Optical Materials: X*, **2019**, 1, 100015	1.7	7
83	Uranyl sensitized Eu3+ luminescence in Ln(UO2)3(PO4)2O(OH)·6H2O phosphors (Ln = Y, Eu, La) for warm-white light emitting diodes. *Journal of Luminescence*, **2018**, 196, 431-436	3.8	7
82	A Luminescent Material: La3Cl(CN2)O3 Doped with Eu3+ or Tb3+ Ions. *European Journal of Inorganic Chemistry*, **2013**, 2013, 3195-3199	2.3	7
81	Photochemically induced deposition of protective alumina coatings onto UV emitting phosphors for Xe excimer discharge lamps. *Materials Research Bulletin*, **2016**, 80, 249-255	5.1	7
80	Superstructure formation in SrBa8[BN2]6 and EuBa8[BN2]6. *Dalton Transactions*, **2016**, 45, 12078-86	4.3	7
79	Colloidal LaPO:Gd nanocrystals: X-ray induced single line UV emission. *Nanoscale*, **2018**, 10, 22533-22540	7.7	7
78	Properties Design: Prediction and Experimental Validation of the Luminescence Properties of a New Eu -Based Phosphor. *Chemistry - A European Journal*, **2018**, 24, 16276-16281	4.8	7
77	Communication—Optical Properties of Red Emitting HK3SnF8:Mn4+as a Color Converter for Next Generation Warm White LEDs. *ECS Journal of Solid State Science and Technology*, **2018**, 7, R111-R113	2	7
76	Temperature and time dependent photoluminescence of single crystalline KEu(WO4)2. *Journal of Luminescence*, **2019**, 215, 116653	3.8	6
75	Solid-State Phosphorescence of A2[W6I14] with A = PPN, PPh4. *European Journal of Inorganic Chemistry*, **2019**, 2019, 4014-4019	2.3	6
74	The influence of Na2CO3 flux on photoluminescence properties of SrSi2O2N2:Eu2+ phosphor. *Ceramics International*, **2017**, 43, 12381-12387	5.1	6
73	Synthesis, Structure, and Luminescence of Rare Earth Cyanurates. *European Journal of Inorganic Chemistry*, **2015**, 2015, 134-140	2.3	6
72	Synthesis, Luminescence and Nonlinear Optical Properties of Homoleptic Tetracyanamidogermanates ARE[Ge(CN2)4] (A = K, Cs, and RE = La, Ce, Pr, Nd, Sm, Eu, Gd). *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2017**, 643, 488-494	1.3	5
71	Flicker Reduction of AC LEDs by Mn2+Doped Apatite Phosphor. *ECS Journal of Solid State Science and Technology*, **2018**, 7, R21-R26	2	5

70	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	1	5
69	On the photoluminescence of InBO3 and TbBO3 doped by Eu3+ and Ce3+. *Materials Research Bulletin*, **2018**, 104, 27-37	5.1	5
68	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	2.3	5
67	(W6I8)Cl4 – A Basic Model Compound for Photophysically Active [(W6I8)L6]2– Clusters?. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2016**, 642, 1435-1438	1.3	5
66	Synthesis and luminescent properties of novel Ba2–xEuxZr2–yHfySi3O12 phosphor. *Optical Materials*, **2011**, 33, 1272-1277	3.3	5
65	Watt-level europium laser at 703 nm. *Optics Letters*, **2021**, 46, 2702-2705	3	5
64	Phenanthroline chromophore as efficient antenna for Tb3+ green luminescence: A theoretical study. *Dyes and Pigments*, **2021**, 185, 108890	4.6	5
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	2	5
62	On the temperature and time dependent photoluminescence of Lu3Al5O12:Gd3+. *Journal of Luminescence*, **2019**, 216, 116729	3.8	4
61	Synthesis and characterization of Sr3(PO4)2:Pr3+,Si4+. *Journal of Luminescence*, **2020**, 225, 117376	3.8	4
60	An UV-C/B emitting Xe excimer discharge lamp comprising BaZrSi3O9 – A lamp performance and phosphor degradation analysis. *Journal of Luminescence*, **2018**, 200, 1-8	3.8	4
59	Preparation and Luminescence of Cluster Compounds [W6Br8L6]2– with L = CF3COO and C7H7SO3. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2017**, 643, 1451-1455	1.3	4
58	Luminescent Materials for Phosphor–converted LEDs179-190		4
57	On the photoluminescence and energy transfer of SrGa12O19:Cr3+,Nd3+ microscale NIR phosphors. *Journal of Materials Research and Technology*, **2021**, 11, 785-791	5.5	4
56	Luminescence and up-conversion of single crystalline Lu3Al5O12:Pr3+. *Journal of Luminescence*, **2021**, 234, 117987	3.8	4
55	UVC-Emitting LuPO:Pr Nanoparticles Decrease Radiation Resistance of Hypoxic Cancer Cells. *Radiation Research*, **2020**, 193, 82-87	3.1	4
54	Novel red-emitting nitridoborates - SrBa 8 [BN 2] 6 :Ln 2+/3+ (Ln=Pr 3+ , Eu 2+). *Journal of Luminescence*, **2017**, 187, 513-520	3.8	3
53	On the energy transfer in (Y,Gd)Al3(BO3)4:Ln3+ (Ln = Tb3+, Dy3+). *Optical Materials*, **2015**, 46, 16-21	3.3	3

52	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	3.8	3
51	Seawater activated TiO2 photocatalyst for degradation of organic compounds. *Sustainable Chemistry and Pharmacy*, **2020**, 16, 100251	3.9	3
50	UV C luminescence of a modified zirconium silicate framework upon cathode ray and VUV excitation. *Journal of Luminescence*, **2018**, 198, 410-417	3.8	3
49	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	3.7	3
48	On the synthesis, phase optimisation and luminescence of some rare earth pyrosilicates. *Journal of Luminescence*, **2017**, 190, 451-456	3.8	3
47	The Orthoperiodates of Calcium, Strontium, and Barium. *European Journal of Inorganic Chemistry*, **2015**, 2015, 977-981	2.3	3
46	Leuchtstoffe f□aktive Displays: Neue Konzepte f□flache Bildschirme erfordern speziell entwickelte Leuchtstoffe. *Physik Journal*, **2000**, 56, 55-58		3
45	The effect of X-ray exposure on Ba2SiO4:Eu3+. *Optics Communications*, **2018**, 410, 617-622	2	3
44	Synthesis, Crystal Structure, and Luminescence of Metal Iodide Cluster Compounds (nBu4N)2[M6I8(NCO)6] with M = Mo, W. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2020**, 646, 1650-1654	1.3	2
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