

Andries Meijerink

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416
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#	Paper	IF	Citations
416	Temperature Quenching of Yellow Ce ³⁺ Luminescence in YAG:Ce. <i>Chemistry of Materials</i> , 2009 , 21, 2077-2084	9.6	1045
415	Visible quantum cutting in LiGdF ₄ :Eu ³⁺ through downconversion. <i>Science</i> , 1999 , 283, 663-6	33.3	809
414	The Kinetics of the Radiative and Nonradiative Processes in Nanocrystalline ZnO Particles upon Photoexcitation. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 1715-1723	3.4	758
413	Lanthanide ions as spectral converters for solar cells. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 11083-11095	3.65	723
412	Ce-Doped garnet phosphors: composition modification, luminescence properties and applications. <i>Chemical Society Reviews</i> , 2017 , 46, 275-299	58.5	611
411	Color Point Tuning for (Sr,Ca,Ba)Si ₂ O ₂ N ₂ :Eu ²⁺ for White Light LEDs. <i>Chemistry of Materials</i> , 2009 , 21, 316-325	9.6	514
410	Quantum cutting by cooperative energy transfer in Yb _x Y _{1-x} PO ₄ :Tb ³⁺ . <i>Physical Review B</i> , 2005 , 71,	3.3	505
409	Identification of the transition responsible for the visible emission in ZnO using quantum size effects. <i>Journal of Luminescence</i> , 2000 , 90, 123-128	3.8	462
408	Influence of Thiol Capping on the Exciton Luminescence and Decay Kinetics of CdTe and CdSe Quantum Dots. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 17393-17397	3.4	432
407	Near-Infrared Quantum Cutting for Photovoltaics. <i>Advanced Materials</i> , 2009 , 21, 3073-3077	24	407
406	The luminescence of nanocrystalline ZnO particles: the mechanism of the ultraviolet and visible emission. <i>Journal of Luminescence</i> , 2000 , 87-89, 454-456	3.8	382
405	Long-lived Mn ²⁺ emission in nanocrystalline ZnS:Mn ²⁺ . <i>Physical Review B</i> , 1998 , 58, R15997-R16000	3.3	376
404	Luminescent Solar Concentrators--a review of recent results. <i>Optics Express</i> , 2008 , 16, 21773-92	3.3	364
403	Photooxidation and Photobleaching of Single CdSe/ZnS Quantum Dots Probed by Room-Temperature Time-Resolved Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 8281-8284	3.4	340
402	Critical Red Components for Next-Generation White LEDs. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 495-503	6.4	334
401	Single-Step Synthesis to Control the Photoluminescence Quantum Yield and Size Dispersion of CdSe Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 489-496	3.4	323
400	Upconverter solar cells: materials and applications. <i>Energy and Environmental Science</i> , 2011 , 4, 4835	35.4	309

399	Charge transfer luminescence of Yb ³⁺ . <i>Journal of Luminescence</i> , 2000 , 91, 177-193	3.8	308
398	Synthesis and Photoluminescence of Nanocrystalline ZnS:Mn ²⁺ . <i>Nano Letters</i> , 2001 , 1, 429-433	11.5	304
397	Size- and temperature-dependence of exciton lifetimes in CdSe quantum dots. <i>Physical Review B</i> , 2006 , 74,	3.3	272
396	On the Incorporation Mechanism of Hydrophobic Quantum Dots in Silica Spheres by a Reverse Microemulsion Method. <i>Chemistry of Materials</i> , 2008 , 20, 2503-2512	9.6	265
395	4f _n ->4f _{n-1} 5d transitions of the light lanthanides: Experiment and theory. <i>Physical Review B</i> , 2002 , 65,	3.3	257
394	High-temperature luminescence quenching of colloidal quantum dots. <i>ACS Nano</i> , 2012 , 6, 9058-67	16.7	241
393	Blueing, Bleaching, and Blinking of Single CdSe/ZnS Quantum Dots. <i>ChemPhysChem</i> , 2002 , 3, 871-879	3.2	236
392	Vacuum-ultraviolet spectroscopy and quantum cutting for Gd ³⁺ in LiYF ₄ . <i>Physical Review B</i> , 1997 , 56, 13841-13848	3.3	234
391	Direct band gap wurtzite gallium phosphide nanowires. <i>Nano Letters</i> , 2013 , 13, 1559-63	11.5	230
390	Insight into the Thermal Quenching Mechanism for Y ₃ Al ₅ O ₁₂ :Ce ³⁺ through Thermoluminescence Excitation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 25003-25008	3.8	223
389	Enhanced near-infrared response of a-Si:H solar cells with [NaYF ₄ :Yb ³⁺ (18%), Er ³⁺ (2%)] upconversion phosphors. <i>Solar Energy Materials and Solar Cells</i> , 2010 , 94, 2395-2398	6.4	218
388	Improved biocompatibility and pharmacokinetics of silica nanoparticles by means of a lipid coating: a multimodality investigation. <i>Nano Letters</i> , 2008 , 8, 2517-25	11.5	204
387	Electronic coupling and exciton energy transfer in CdTe quantum-dot molecules. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10436-41	16.4	204
386	On the Incorporation of Trivalent Rare Earth Ions in III-VI Semiconductor Nanocrystals. <i>Chemistry of Materials</i> , 2002 , 14, 1121-1126	9.6	204
385	Quenching of the red Mn luminescence in Mn-doped fluoride LED phosphors. <i>Light: Science and Applications</i> , 2018 , 7, 8	16.7	203
384	Luminescence of nanocrystalline ZnSe:Mn ²⁺ . <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 5445-5448	3.6	195
383	4f _n ->4f _{n-1} 5d transitions of the heavy lanthanides: Experiment and theory. <i>Physical Review B</i> , 2002 , 65,	3.3	194
382	Luminescence properties of SrSi ₂ O ₂ N ₂ doped with divalent rare earth ions. <i>Journal of Luminescence</i> , 2006 , 121, 441-449	3.8	193

381	Energy transfer with semiconductor nanocrystals. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1208-1221		189
380	Long wavelength Ce ³⁺ emission in YSiO ₄ materials. <i>Journal of Alloys and Compounds</i> , 1998 , 268, 272-277		188
379	The influence of particle size on the luminescence quantum efficiency of nanocrystalline ZnO particles. <i>Journal of Luminescence</i> , 2001 , 92, 323-328	3.8	175
378	Downconversion for solar cells in NaYF ₄ :Er,Yb. <i>Journal of Applied Physics</i> , 2009 , 106, 023522	2.5	170
377	Efficient visible to infrared quantum cutting through downconversion with the Er ³⁺ /Yb ³⁺ couple in Cs ₃ Y ₂ Br ₉ . <i>Applied Physics Letters</i> , 2010 , 96, 151106	3.4	168
376	Upconversion in solar cells. <i>Nanoscale Research Letters</i> , 2013 , 8, 81	5	164
375	Downconversion for solar cells in YF ₃ :Nd ³⁺ , Yb ³⁺ . <i>Physical Review B</i> , 2010 , 81,	3.3	164
374	Quenching Pathways in NaYF ₄ :Er,Yb Upconversion Nanocrystals. <i>ACS Nano</i> , 2018 , 12, 4812-4823	16.7	163
373	Highly Efficient IR to NIR Upconversion in Gd ₂ O ₂ S: Er ³⁺ for Photovoltaic Applications. <i>Chemistry of Materials</i> , 2013 , 25, 1912-1921	9.6	159
372	Novel Ring Resonator-Based Integrated Photonic Beamformer for Broadband Phased Array Receive Antennas Part I: Design and Performance Analysis. <i>Journal of Lightwave Technology</i> , 2010 , 28, 3-18	4	158
371	Luminescence of nanocrystalline ZnS:Cu ²⁺ . <i>Journal of Luminescence</i> , 2002 , 99, 325-334	3.8	155
370	Enhancing solar cell efficiency by using spectral converters. <i>Solar Energy Materials and Solar Cells</i> , 2005 , 87, 395-409	6.4	153
369	Novel Ring Resonator-Based Integrated Photonic Beamformer for Broadband Phased Array Receive Antennas Part II: Experimental Prototype. <i>Journal of Lightwave Technology</i> , 2010 , 28, 19-31	4	152
368	Luminescence Quantum Efficiency of Nanocrystalline ZnS:Mn ²⁺ . 1. Surface Passivation and Mn ²⁺ Concentration. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 10197-10202	3.4	150
367	Resolving the ambiguity in the relation between Stokes shift and Huang-Rhys parameter. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 16959-69	3.6	149
366	Visible quantum cutting in Eu ³⁺ -doped gadolinium fluorides via downconversion. <i>Journal of Luminescence</i> , 1999 , 82, 93-104	3.8	148
365	Spectroscopy and calculations for 4fN→4fN-15d transitions of lanthanide ions in LiYF ₄ . <i>Physical Review B</i> , 2000 , 62, 14744-14749	3.3	147
364	Luminescence and luminescence quenching in Gd ₃ (Ga,Al) ₅ O ₁₂ scintillators doped with Ce ³⁺ . <i>Journal of Physical Chemistry A</i> , 2013 , 117, 2479-84	2.8	146

363	Luminescence Quantum Efficiency of Nanocrystalline ZnS:Mn ²⁺ . 2. Enhancement by UV Irradiation. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 10203-10209	3.4	138
362	Exciton storage by Mn(2+) in colloidal Mn(2+)-doped CdSe quantum dots. <i>Nano Letters</i> , 2008 , 8, 2949-53	11.5	136
361	Non-radiative relaxation processes of the Pr ³⁺ ion in solids. <i>Journal of Physics and Chemistry of Solids</i> , 1995 , 56, 673-685	3.9	136
360	Luminescence properties of Eu ²⁺ -activated alkaline earth haloborates. <i>Journal of Luminescence</i> , 1989 , 43, 283-289	3.8	136
359	Efficient and Stable Luminescence from Mn in Core and Core-Isocrystalline Shell CsPbCl Perovskite Nanocrystals. <i>Chemistry of Materials</i> , 2017 , 29, 4265-4272	9.6	135
358	NaYF ₄ :Er,Yb/SiO ₂ Core/Shell Upconverting Nanocrystals for Luminescence Thermometry up to 900 K. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 3503-3510	3.8	134
357	Mixed-Lanthanoid Metal-Organic Framework for Ratiometric Cryogenic Temperature Sensing. <i>Inorganic Chemistry</i> , 2015 , 54, 11323-9	5.1	134
356	Paramagnetic lipid-coated silica nanoparticles with a fluorescent quantum dot core: a new contrast agent platform for multimodality imaging. <i>Bioconjugate Chemistry</i> , 2008 , 19, 2471-9	6.3	133
355	Size-Selective Photoetching of Nanocrystalline Semiconductor Particles. <i>Chemistry of Materials</i> , 1998 , 10, 3513-3522	9.6	133
354	Luminescence temperature anti-quenching of water-soluble CdTe quantum dots: role of the solvent. <i>Journal of the American Chemical Society</i> , 2004 , 126, 10397-402	16.4	131
353	Temperature anti-quenching of the luminescence from capped CdSe quantum dots. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3029-33	16.4	126
352	Extending Dieke's diagram. <i>Journal of Luminescence</i> , 2000 , 87-89, 1002-1004	3.8	124
351	Influence of Adsorbed Oxygen on the Emission Properties of Nanocrystalline ZnO Particles. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 4355-4360	3.4	121
350	Visible quantum cutting via downconversion in LiGdF ₄ :Er ³⁺ , Tb ³⁺ upon Er ³⁺ 4f ¹¹ →4f ¹⁰ 5d excitation. <i>Journal of Luminescence</i> , 2000 , 90, 111-122	3.8	120
349	Spin-allowed and spin-forbidden 4f _n ↔4f _{n-1} 5d transitions for heavy lanthanides in fluoride hosts. <i>Physical Review B</i> , 1999 , 60, 10820-10830	3.3	120
348	The effect of temperature and dot size on the spectral properties of colloidal InP/ZnS core-shell quantum dots. <i>ACS Nano</i> , 2009 , 3, 2539-46	16.7	117
347	A complete energy level diagram for all trivalent lanthanide ions. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 448-453	3.3	116
346	Unusual Bismuth luminescence in Strontium Tetraborate (SrB ₄ O ₇ :Bi). <i>Journal of Physics and Chemistry of Solids</i> , 1994 , 55, 171-174	3.9	114

345	Delayed Exciton Emission and Its Relation to Blinking in CdSe Quantum Dots. <i>Nano Letters</i> , 2015 , 15, 7718-25	11.5	113
344	Eu(2+) luminescence in strontium aluminates. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 15236-49	3.6	112
343	Local-field effects on the spontaneous emission rate of CdTe and CdSe quantum dots in dielectric media. <i>Journal of Chemical Physics</i> , 2004 , 121, 4310-5	3.9	111
342	Towards upconversion for amorphous silicon solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2010 , 94, 1919-1922	6.4	108
341	Energy transfer mechanism for downconversion in the (Pr ³⁺ , Yb ³⁺) couple. <i>Physical Review B</i> , 2010 , 81,	3.3	106
340	Spectral-line-broadening study of the trivalent lanthanide-ion series.I. Line broadening as a probe of the electron-phonon coupling strength. <i>Physical Review B</i> , 1997 , 55, 173-179	3.3	104
339	Probing the wave function of shallow Li and Na donors in ZnO nanoparticles. <i>Physical Review Letters</i> , 2004 , 92, 047603	7.4	104
338	Time-dependent photoluminescence spectroscopy as a tool to measure the ligand exchange kinetics on a quantum dot surface. <i>ACS Nano</i> , 2008 , 2, 1703-14	16.7	103
337	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
336	Spectral-line-broadening study of the trivalent lanthanide-ion series.II. The variation of the electron-phonon coupling strength through the series. <i>Physical Review B</i> , 1997 , 55, 180-186	3.3	99
335	Luminescence and energy migration in (Sr,Eu)B ₄ O ₇ , a system with a 4f ₇ -4f _{65d} crossover in the excited state. <i>Journal of Luminescence</i> , 1989 , 44, 19-31	3.8	97
334	Quantum cutting through downconversion in rare-earth compounds. <i>Journal of Luminescence</i> , 2000 , 87-89, 1017-1019	3.8	94
333	Photonic effects on the Förster resonance energy transfer efficiency. <i>Nature Communications</i> , 2014 , 5, 3610	17.4	93
332	Luminescence and energy transfer in Lu ₃ Al ₅ O ₁₂ scintillators co-doped with Ce ³⁺ and Tb ³⁺ . <i>Journal of Physical Chemistry A</i> , 2012 , 116, 8464-74	2.8	90
331	Supramolecular Structure, Physical Properties, and Langmuir-Blodgett Film Formation of an Optically Active Liquid-Crystalline Phthalocyanine. <i>Chemistry - A European Journal</i> , 1995 , 1, 171-182	4.8	90
330	A fluorescent, paramagnetic and PEGylated gold/silica nanoparticle for MRI, CT and fluorescence imaging. <i>Contrast Media and Molecular Imaging</i> , 2010 , 5, 231-6	3.2	87
329	Luminescence and growth of CdTe quantum dots and clusters. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 1253-1258	3.6	87
328	Luminescence of Exchange Coupled Pairs of Transition Metal Ions. <i>Journal of the Electrochemical Society</i> , 2001 , 148, E313	3.9	87

327	A Theoretical Framework for Ratiometric Single Ion Luminescent Thermometers—Thermodynamic and Kinetic Guidelines for Optimized Performance. <i>Advanced Theory and Simulations</i> , 2020 , 3, 2000176	3.5	86
326	Host composition dependent tunable multicolor emission in the single-phase Ba ₂ (Ln(1-z)Tb(z))(BO ₃) ₂ Cl:Eu phosphors. <i>Dalton Transactions</i> , 2013 , 42, 6327-36	4.3	85
325	On the Nature of the Luminescence of Sr[₂]CeO[₄]. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 4688	3.9	85
324	Doped semiconductor nanoparticles – a new class of luminescent materials?. <i>Journal of Luminescence</i> , 2000 , 87-89, 315-318	3.8	84
323	The luminescence of ytterbium(II) in strontium tetraborate. <i>Chemical Physics Letters</i> , 1990 , 167, 41-44	2.5	83
322	Luminescence of nanocrystalline ZnSe:Cu. <i>Applied Physics Letters</i> , 2001 , 79, 4222-4224	3.4	82
321	Photoluminescence, thermoluminescence and EPR studies on Zn ₄ B ₆ O ₁₃ . <i>Journal of Physics Condensed Matter</i> , 1990 , 2, 6303-6313	1.8	82
320	Incorporation and luminescence of Yb ³⁺ in CdSe nanocrystals. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13668-71	16.4	80
319	Photostimulated luminescence and thermally stimulated luminescence of Y ₂ SiO ₅ -Ce, Sm. <i>Journal Physics D: Applied Physics</i> , 1991 , 24, 997-1002	3	80
318	Luminescence Temperature Quenching for Ce ³⁺ and Pr ³⁺ d-f Emission in YAG and LuAG. <i>ECS Journal of Solid State Science and Technology</i> , 2013 , 2, R3148-R3152	2	79
317	The different nature of band edge absorption and emission in colloidal PbSe/CdSe core/shell quantum dots. <i>ACS Nano</i> , 2011 , 5, 58-66	16.7	78
316	Universal role of discrete acoustic phonons in the low-temperature optical emission of colloidal quantum dots. <i>Physical Review Letters</i> , 2009 , 102, 177402	7.4	78
315	Investigating supramolecular systems using Förster resonance energy transfer. <i>Chemical Society Reviews</i> , 2018 , 47, 7027-7044	58.5	76
314	Optimizing infrared to near infrared upconversion quantum yield of NaYF ₄ :Er ³⁺ in fluoropolymer matrix for photovoltaic devices. <i>Journal of Applied Physics</i> , 2013 , 114, 013505	2.5	75
313	Multi-photon quantum cutting in Gd ₂ O ₂ S:Tm ³⁺ to enhance the photo-response of solar cells. <i>Light: Science and Applications</i> , 2015 , 4, e344-e344	16.7	74
312	Temperature-dependent energy transfer in cadmium telluride quantum dot solids. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 5504-8	3.4	73
311	Tuning Exciton-Mn Energy Transfer in Mixed Halide Perovskite Nanocrystals. <i>Chemistry of Materials</i> , 2018 , 30, 5346-5352	9.6	71
310	Photostimulated luminescence and thermally stimulated luminescence of some new X-ray storage phosphors. <i>Journal Physics D: Applied Physics</i> , 1991 , 24, 626-632	3	71

309	Synthesis and luminescence of CdS quantum dots capped with a silica precursor. <i>Journal of Luminescence</i> , 2003 , 105, 35-43	3.8	70
308	Downconversion: a new route to visible quantum cutting. <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 421-425	5.7	70
307	Optical Properties of Mn-Doped ZnTe Magic Size Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1663-7	6.4	69
306	Quantum dot and Cy5.5 labeled nanoparticles to investigate lipoprotein biointeractions via Förster resonance energy transfer. <i>Nano Letters</i> , 2010 , 10, 5131-8	11.5	69
305	Differences in Cross-Link Chemistry between Rigid and Flexible Dithiol Molecules Revealed by Optical Studies of CdTe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11208-11215	3.8	69
304	Spectroscopy and vibronic transitions of divalent europium in LiBaF ₃ . <i>Journal of Luminescence</i> , 1993 , 55, 125-138	3.8	69
303	Luminescent manganese-doped CsPbCl perovskite quantum dots. <i>Scientific Reports</i> , 2017 , 7, 45906	4.9	68
302	Optical spectroscopy of Ca ₃ Sc ₂ Si ₃ O ₁₂ , Ca ₃ Y ₂ Si ₃ O ₁₂ and Ca ₃ Lu ₂ Si ₃ O ₁₂ doped with Pr ³⁺ . <i>Journal of Luminescence</i> , 2010 , 130, 893-901	3.8	68
301	Ultrafast exciton dynamics in CdSe quantum dots studied from bleaching recovery and fluorescence transients. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 733-7	3.4	68
300	Luminescence of nanocrystalline ZnS:Pb ²⁺ . <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 2105-2112	3.6	67
299	Insights into the energy transfer mechanism in Ce ³⁺ /Yb ³⁺ codoped YAG phosphors. <i>Physical Review B</i> , 2014 , 90,	3.3	66
298	Engineering of lipid-coated PLGA nanoparticles with a tunable payload of diagnostically active nanocrystals for medical imaging. <i>Chemical Communications</i> , 2012 , 48, 5835-7	5.8	66
297	Photonic effects on the radiative decay rate and luminescence quantum yield of doped nanocrystals. <i>ACS Nano</i> , 2015 , 9, 1801-8	16.7	64
296	Temperature dependent luminescence Cr ³⁺ -doped GdAl ₃ (BO ₃) ₄ and YAl ₃ (BO ₃) ₄ . <i>Journal of Luminescence</i> , 2016 , 171, 246-253	3.8	63
295	Magnetic quantum dots for multimodal imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2009 , 1, 475-91	9.2	63
294	Single-Chip Ring Resonator-Based 1 × 8 Optical Beam Forming Network in CMOS-Compatible Waveguide Technology. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1130-1132	2.2	63
293	Optical investigation of quantum confinement in PbSe nanocrystals at different points in the Brillouin zone. <i>Small</i> , 2008 , 4, 127-33	11	63
292	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

291	Upconversion quantum yield of Er ³⁺ -doped BaNaF_4 and Gd_2O_3 : The effects of host lattice, Er ³⁺ doping, and excitation spectrum bandwidth. <i>Journal of Luminescence</i> , 2014 , 153, 281-287	3.8	62
290	Progress in phosphors and filters for luminescent solar concentrators. <i>Optics Express</i> , 2012 , 20, A395-405	3.3	62
289	Luminescence of divalent ytterbium in alkaline earth sulphates. <i>Journal of Luminescence</i> , 1994 , 59, 185-198	3.8	62
288	Thermoluminescence spectroscopy of Eu ²⁺ and Mn ²⁺ doped $\text{BaMgAl}_{10}\text{O}_{17}$. <i>Journal of Luminescence</i> , 2003 , 101, 195-210	3.8	61
287	Luminescence and temperature dependent decay behaviour of divalent europium in $\text{Ba}_5\text{SiO}_4\text{X}_6$ (X = Cl, Br). <i>Journal of Luminescence</i> , 1990 , 47, 1-5	3.8	61
286	Downconversion for Solar Cells in $\text{YF}_3:\text{Pr}^{3+}$, Yb^{3+} . <i>Spectroscopy Letters</i> , 2010 , 43, 373-381	1.1	60
285	Trends in parameters for the $4f_{N-1} \rightarrow 4f_N 5d$ spectra of lanthanide ions in crystals. <i>Journal of Alloys and Compounds</i> , 2002 , 344, 240-245	5.7	60
284	6I emission and vibronic transitions of Eu ²⁺ in KMgF_3 . <i>Journal of Luminescence</i> , 1994 , 59, 293-301	3.8	60
283	Concentration Quenching in Upconversion Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 26298-26306	3.8	60
282	Photoluminescence properties of Co ²⁺ -doped ZnO nanocrystals. <i>Journal of Luminescence</i> , 2006 , 118, 245-250	3.8	59
281	Luminescence of Ag ⁺ in crystalline and glassy SrB_4O_7 . <i>Journal of Physics and Chemistry of Solids</i> , 1993 , 54, 901-906	3.9	59
280	Luminescence and scintillation properties of the small band gap compound $\text{LaI}_3:\text{Ce}^{3+}$. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 537, 22-26	1.2	58
279	Making Nd a Sensitive Luminescent Thermometer for Physiological Temperatures-An Account of Pitfalls in Boltzmann Thermometry. <i>Nanomaterials</i> , 2020 , 10,	5.4	57
278	Imaging and quantifying the morphology of an organic-inorganic nanoparticle at the sub-nanometre level. <i>Nature Nanotechnology</i> , 2010 , 5, 538-44	28.7	57
277	$4f_{N-1} 5d \rightarrow 4f_N$ emission of Ce ³⁺ , Pr ³⁺ , Nd ³⁺ , Er ³⁺ , and Tm ³⁺ in LiYF_4 and YPO_4 . <i>Physical Review B</i> , 2005 , 71,	3.3	57
276	Upconversion Dynamics in Er ³⁺ -Doped Gd_2O_3 : Influence of Excitation Power, Er ³⁺ Concentration, and Defects. <i>Advanced Optical Materials</i> , 2015 , 3, 558-567	8.1	56
275	Luminescence properties of $\text{SrSi}_2\text{AlO}_2\text{N}_3$ doped with divalent rare-earth ions. <i>Journal of Luminescence</i> , 2009 , 129, 1341-1346	3.8	56
274	Synthesis and narrow red luminescence of $\text{Cs}_2\text{HfF}_6:\text{Mn}^{4+}$, a new phosphor for warm white LEDs. <i>Journal of Luminescence</i> , 2018 , 194, 131-138	3.8	55

273	Energy transfer phenomena in Li(Y, Gd)F ₄ :Ce, Tb. <i>Journal of Luminescence</i> , 1986 , 35, 155-161	3.8	55
272	Lanthanide-doped CaS and SrS luminescent nanocrystals: a single-source precursor approach for doping. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16533-43	16.4	54
271	Substituted 4,4'-Stilbenoid NCN-Pincer Platinum(II) Complexes. Luminescence and Tuning of the Electronic and NLO Properties and the Application in an OLED. <i>Organometallics</i> , 2008 , 27, 1690-1701	3.8	54
270	Sm ²⁺ in BAM: fluorescent probe for the number of luminescing sites of Eu ²⁺ in BAM. <i>Journal of Luminescence</i> , 2001 , 93, 147-153	3.8	54
269	Configuration coordinate energy level diagrams of intervalence and metal-to-metal charge transfer states of dopant pairs in solids. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 19874-84	3.6	53
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