

Andries Meijerink

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8891862/andries-meijerink-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

416
papers

28,839
citations

87
h-index

155
g-index

440
ext. papers

31,435
ext. citations

5.5
avg, IF

7.46
L-index

#	Paper	IF	Citations
416	Two-Dimensional CdSe-PbSe Heterostructures and PbSe Nanoplatelets: Formation, Atomic Structure, and Optical Properties.. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 1513-1522	3.8	2
415	In Situ Embedding Synthesis of CsPbBr@Ce-MOF@SiO Nanocomposites for High Efficiency Light-Emitting Diodes: Suppressing Reabsorption Losses through the Waveguiding Effect.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	4
414	Finite-Size Effects on Energy Transfer between Dopants in Nanocrystals.. <i>ACS Nanoscience Au</i> , 2022 , 2, 111-118		0
413	Impact of Noise and Background on Measurement Uncertainties in Luminescence Thermometry.. <i>ACS Photonics</i> , 2022 , 9, 1366-1374	6.3	4
412	Temperature quenching of Cr ³⁺ in ASc(Si _{1-x} Gex) ₂ O ₆ (A=Li/Na) solid solutions. <i>Optical Materials</i> , 2022 , 128, 112433	3.3	1
411	One ion to catch them all: Targeted high-precision Boltzmann thermometry over a wide temperature range with Gd. <i>Light: Science and Applications</i> , 2021 , 10, 236	16.7	17
410	On the mechanism leading to afterglow in Gd ₂ O ₂ S:Pr. <i>Optical Materials: X</i> , 2021 , 12, 100091	1.7	
409	Mapping Elevated Temperatures with a Micrometer Resolution Using the Luminescence of Chemically Stable Upconversion Nanoparticles. <i>ACS Applied Nano Materials</i> , 2021 , 4, 4208-4215	5.6	20
408	Saturation Mechanisms in Common LED Phosphors. <i>ACS Photonics</i> , 2021 , 8, 1784-1793	6.3	16
407	Luminescent Ratiometric Thermometers Based on a 4f-3d Grafted Covalent Organic Framework to Locally Measure Temperature Gradients During Catalytic Reactions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3727-3736	16.4	7
406	A Ho ³⁺ -Based Luminescent Thermometer for Sensitive Sensing over a Wide Temperature Range. <i>Advanced Optical Materials</i> , 2021 , 9, 2001518	8.1	23
405	Luminescent Ratiometric Thermometers Based on a 4f-3d Grafted Covalent Organic Framework to Locally Measure Temperature Gradients During Catalytic Reactions. <i>Angewandte Chemie</i> , 2021 , 133, 3771-3780	3.6	7
404	Mn ²⁺ activated Ca-SiAlON broadband deep-red luminescence and sensitization by Eu ²⁺ , Yb ²⁺ and Ce ³⁺ . <i>Materials Advances</i> , 2021 , 2, 2075-2084	3.3	4
403	High temperature (nano)thermometers based on LiLuF ₄ :Er ³⁺ ,Yb ³⁺ nano- and microcrystals. Confounded results for core-shell nanocrystals. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 3589-3600	7.1	14
402	Correlation between the Covalency and the Thermometric Properties of Yb/Er Codoped Nanocrystalline Orthophosphates. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 2659-2665	3.8	12
401	MCaHxF ₃ (M = Rb, Cs): Synthesis, Structure, and Bright, Site-Sensitive Tunable Eu ²⁺ Luminescence. <i>Advanced Optical Materials</i> , 2021 , 9, 2002052	8.1	3
400	Strong self-sensitized green and NIR emission in NaYS ₂ doped with Pr ³⁺ and Yb ³⁺ by inducing Laporte allowed and charge transfer transitions. <i>Journal of Luminescence</i> , 2021 , 235, 118012	3.8	2

399	Photosaturation in Luminescent LuAG:Ce Garnet Concentrator Rods. <i>Advanced Photonics Research</i> , 2021 , 2, 2100055	1.9	0
398	Exciton interaction with Ce ³⁺ and Ce ⁴⁺ ions in (LuGd) ₃ (Ga,Al) ₅ O ₁₂ ceramics. <i>Journal of Luminescence</i> , 2021 , 237, 118150	3.8	10
397	Luminescence Line Broadening of CdSe Nanoplatelets and Quantum Dots for Application in w-LEDs. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 12153-12160	3.8	14
396	Unraveling the Eu ²⁺ → Mn ²⁺ Energy Transfer Mechanism in w-LED Phosphors. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13902-13911	3.8	17
395	. <i>IEEE Transactions on Nuclear Science</i> , 2020 , 67, 1934-1945	1.7	0
394	Borate Hydrides as a New Material Class: Structure, Computational Studies, and Spectroscopic Investigations on Sr (BO) ₂ H and Sr (BO) ₂ D. <i>Chemistry - A European Journal</i> , 2020 , 26, 11742-11750	4.8	5
393	Chemical stabilization of Eu ²⁺ in LuPO ₄ and YPO ₄ hosts and its peculiar sharp line luminescence. <i>Journal of Alloys and Compounds</i> , 2020 , 844, 156096	5.7	5
392	Understanding and tuning blue-to-near-infrared photon cutting by the Tm/Yb couple. <i>Light: Science and Applications</i> , 2020 , 9, 107	16.7	24
391	Visible and NIR Upconverting Er ³⁺ /Yb ³⁺ Luminescent Nanorattles and Other Hybrid PMO-Inorganic Structures for In Vivo Nanothermometry. <i>Advanced Functional Materials</i> , 2020 , 30, 2003101	15.6	36
390	Making Nd a Sensitive Luminescent Thermometer for Physiological Temperatures-An Account of Pitfalls in Boltzmann Thermometry. <i>Nanomaterials</i> , 2020 , 10,	5.4	57
389	Multiphoton Near-Infrared Quantum Splitting of Er ³⁺ . <i>Physical Review Applied</i> , 2020 , 13,	4.3	3
388	Eu Sensitization via Nonradiative Interparticle Energy Transfer Using Inorganic Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 689-695	6.4	9
387	Intrinsic electronic excitations and impurity luminescent centres in NaMgF ₃ and MgF ₂ doped with Yb ²⁺ . <i>Optical Materials</i> , 2020 , 99, 109553	3.3	1
386	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
385	Single-step approach to sensitized luminescence through bulk-embedded organics in crystalline fluorides. <i>Communications Chemistry</i> , 2020 , 3,	6.3	3
384	Influence of 3d Transition Metal Impurities on Garnet Scintillator Afterglow. <i>Crystal Growth and Design</i> , 2020 , 20, 3007-3017	3.5	4
383	In Situ Local Temperature Mapping in Microscopy Nano-Reactors with Luminescence Thermometry. <i>ChemCatChem</i> , 2019 , 11, 5505-5512	5.2	30
382	Complex Garnets: Microscopic Parameters Characterizing Afterglow. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 22725-22734	3.8	6

381	One Ion, Many Facets: Efficient, Structurally and Thermally Sensitive Luminescence of Eu ²⁺ in Binary and Ternary Strontium Borohydride Chlorides. <i>Chemistry of Materials</i> , 2019 , 31, 8957-8968	9.6	17
380	Thermal enhancement and quenching of upconversion emission in nanocrystals. <i>Nanoscale</i> , 2019 , 11, 12188-12197	7.7	44
379	Shedding light on dark excitons. <i>Nature Materials</i> , 2019 , 18, 660-661	27	4
378	Variation of the conduction band edge of (Lu,Gd) ₃ (Ga,Al) ₅ O ₁₂ :Ce garnets studied by thermally stimulated luminescence. <i>Journal of Luminescence</i> , 2019 , 211, 48-53	3.8	2
377	Modeling and Assessment of Afterglow Decay Curves from Thermally Stimulated Luminescence of Complex Garnets. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 1894-1903	2.8	6
376	Towards robust and versatile single nanoparticle fiducial markers for correlative light and electron microscopy. <i>Journal of Microscopy</i> , 2019 , 274, 13-22	1.9	10
375	Luminescence thermometry for in situ temperature measurements in microfluidic devices. <i>Lab on A Chip</i> , 2019 , 19, 1236-1246	7.2	39
374	Long-Lived Dark Exciton Emission in Mn-Doped CsPbCl Perovskite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 979-984	3.8	37
373	Fine structure in high resolution 4f ⁷ 4f ⁶ 5d excitation and emission spectra of X-ray induced Eu ²⁺ centers in LuPO ₄ :Eu sintered ceramics. <i>Journal of Luminescence</i> , 2019 , 207, 435-442	3.8	9
372	Emerging substance class with narrow-band blue/green-emitting rare earth phosphors for backlight display application. <i>Science China Materials</i> , 2019 , 62, 146-148	7.1	17
371	Synthesis and optical properties of the Eu ²⁺ -doped alkaline-earth metal hydride chlorides AE ₇ H ₁₂ Cl ₂ (AE = Ca and Sr). <i>Journal of Luminescence</i> , 2019 , 209, 150-155	3.8	6
370	Chemically and thermally stable lanthanide-doped Y ₂ O ₃ nanoparticles for remote temperature sensing in catalytic environments. <i>Chemical Engineering Science</i> , 2019 , 198, 235-240	4.4	25
369	Nanocrystalline Semiconductors: Optical Properties 2019 ,		
368	Dye-Sensitized Downconversion. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 1522-1526	6.4	33
367	Direct Observation of Cr 3d States in Ruby: Toward Experimental Mechanistic Evidence of Metal Chemistry. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 4399-4413	2.8	25
366	Disorder response of 3d ³ ions zero-phonon lines in the luminescence spectra of Yttrium-Aluminum-Gallium garnet solid solution ceramics. <i>Journal of Luminescence</i> , 2018 , 200, 196-199	3.8	8
365	Quenching Pathways in NaYF ₄ :Er,Yb Upconversion Nanocrystals. <i>ACS Nano</i> , 2018 , 12, 4812-4823	16.7	163
364	Temperature dependence of 4f _n 5d ₁ →4f _n luminescence of Ce ³⁺ and Pr ³⁺ ions in Sr ₂ GeO ₄ host. <i>Journal of Luminescence</i> , 2018 , 198, 163-170	3.8	18

363	In Situ Luminescence Thermometry To Locally Measure Temperature Gradients during Catalytic Reactions. <i>ACS Catalysis</i> , 2018 , 8, 2397-2401	13.1	49
362	The Role of a Phonon Bottleneck in Relaxation Processes for Ln-Doped NaYF Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3985-3993	3.8	12
361	Octupolar organometallic Pt(II) NCN-pincer complexes; Synthesis, electronic, photophysical, and NLO properties. <i>Journal of Organometallic Chemistry</i> , 2018 , 867, 246-252	2.3	3
360	Synthesis and narrow red luminescence of Cs ₂ HfF ₆ :Mn ⁴⁺ , a new phosphor for warm white LEDs. <i>Journal of Luminescence</i> , 2018 , 194, 131-138	3.8	55
359	Tuning Exciton-Mn Energy Transfer in Mixed Halide Perovskite Nanocrystals. <i>Chemistry of Materials</i> , 2018 , 30, 5346-5352	9.6	71
358	Upconversion solar cell measurements under real sunlight. <i>Optical Materials</i> , 2018 , 84, 389-395	3.3	33
357	Spin-orbit coupling dependent energy transfer in luminescent nonanuclear Yb-Gd / Yb-Lu clusters. <i>Journal of Luminescence</i> , 2018 , 201, 170-175	3.8	4
356	Investigating supramolecular systems using Förster resonance energy transfer. <i>Chemical Society Reviews</i> , 2018 , 47, 7027-7044	58.5	76
355	Reply to "Overtone Vibrational Transition-Induced Lanthanide Excited-State Quenching in Yb/Er-Doped Upconversion Nanocrystals". <i>ACS Nano</i> , 2018 , 12, 10576-10577	16.7	4
354	Single Au Atom Doping of Silver Nanoclusters. <i>ACS Nano</i> , 2018 , 12, 12751-12760	16.7	48
353	Non-Boltzmann Luminescence in NaYF ₄ :Eu ³⁺ : Implications for Luminescence Thermometry. <i>Physical Review Applied</i> , 2018 , 10,	4.3	50
352	Thermally deactivated energy transfer in Bi ³⁺ /Tb ³⁺ codoped Y ₂ O ₃ : Evidence for the exchange interaction mechanism. <i>Physical Review B</i> , 2018 , 98,	3.3	4
351	Concentration Quenching in Upconversion Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 26298-26306	3.8	16
350	Fluorescently Labelled Silica Coated Gold Nanoparticles as Fiducial Markers for Correlative Light and Electron Microscopy. <i>Scientific Reports</i> , 2018 , 8, 13625	4.9	28
349	Temperature dependent photoluminescence of Cr ³⁺ doped Sr ₈ MgLa(PO ₄) ₇ . <i>Optical Materials</i> , 2018 , 85, 341-348	3.3	39
348	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
347	Quenching of the red Mn luminescence in Mn-doped fluoride LED phosphors. <i>Light: Science and Applications</i> , 2018 , 7, 8	16.7	203
346	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

345	NaYF:Er,Yb/SiO 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
344	Thermal ionization and thermally activated crossover quenching processes for 5d ⁴ f luminescence in Y ₃ Al ₅ Ga _x O ₁₂ :Pr ³⁺ . <i>Physical Review B</i> , 2017 , 95,	3.3	45
343	Decay times of the spin-forbidden and spin-enabled transitions of Yb doped in CsCaX and CsSrX (X = Cl, Br, I). <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 7188-7194	3.6	14
342	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
341	Luminescent manganese-doped CsPbCl perovskite quantum dots. <i>Scientific Reports</i> , 2017 , 7, 45906	4.9	68
340	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
339	Energy Level Structure and Multiple 4f ¹² 5d ¹ Emission Bands for Tm ²⁺ in Halide Perovskites: Theory and Experiment. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 10095-10101	3.8	20
338	Non-Poissonian photon statistics from macroscopic photon cutting materials. <i>Nature Communications</i> , 2017 , 8, 15537	17.4	13
337	Temporal dynamics of the frequency non-degenerate transient photoluminescence enhancement observed following excitation of inter-configurational f→d transitions in CaF ₂ :Yb ²⁺ . <i>Journal of Luminescence</i> , 2017 , 192, 608-615	3.8	1
336	Probing the Influence of Disorder on Lanthanide Luminescence Using Eu-Doped LaPO Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 19373-19382	3.8	40
335	Oxidation and Luminescence Quenching of Europium in BaMgAl ₁₀ O ₁₇ Blue Phosphors. <i>Chemistry of Materials</i> , 2017 , 29, 10122-10129	9.6	31
334	Photonic Effects for Magnetic Dipole Transitions. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5689-5694	4.4	18
333	Ce-Doped garnet phosphors: composition modification, luminescence properties and applications. <i>Chemical Society Reviews</i> , 2017 , 46, 275-299	58.5	611
332	Divalent Europium doped CaF ₂ and BaF ₂ nanocrystals from ionic liquids. <i>Journal of Luminescence</i> , 2017 , 189, 2-8	3.8	8
331	Co-precipitation Synthesis and Optical Properties of Mn-doped Hexafluoroaluminate w-LED Phosphors. <i>Materials</i> , 2017 , 10,	3.5	19
330	Luminescent Labeling of Nanoparticles: SiO ₂ @LaPO ₄ . <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2017 , 471-472	0.2	
329	Characterisation, degradation and regeneration of luminescent Ag clusters in solution. <i>Nanoscale</i> , 2016 , 8, 19901-19909	7.7	32
328	Critical Red Components for Next-Generation White LEDs. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 495-503	6.4	334

327	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
326	Color tuning of Bi ²⁺ luminescence in barium borates. <i>Journal of Luminescence</i> , 2016 , 170, 240-247	3.8	18
325	Vacuum ultraviolet synchrotron measurements of excitons in NaMgF ₃ :Yb ²⁺ . <i>Journal of Luminescence</i> , 2016 , 169, 419-421	3.8	6
324	New Insights in 4f(12)5d(1) Excited States of Tm(2+) through Excited State Excitation Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2730-4	6.4	14
323	Critical Role of Energy Transfer Between Terbium Ions for Suppression of Back Energy Transfer in Nonanuclear Terbium Clusters. <i>Scientific Reports</i> , 2016 , 6, 37008	4.9	29
322	Incorporation of Ln-Doped LaPO ₄ Nanocrystals as Luminescent Markers in Silica Nanoparticles. <i>Nanoscale Research Letters</i> , 2016 , 11, 261	5	3
321	Fluorescently Labeled Silica Coated Metal Nanoparticles as Fiducial Markers for Correlative Light and Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2016 , 22, 66-67	0.5	1
320	The d ¹ luminescence of Eu ²⁺ , Ce ³⁺ and Yb ²⁺ ions in Cs ₂ MP ₂ O ₇ (M = Ca ²⁺ , Sr ²⁺). <i>Journal of Luminescence</i> , 2016 , 177, 254-260	3.8	11
319	Modeling blue to UV upconversion in ENaYF:Tm. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 27396-27404	4.0	20
318	Comparative study of the Mn ⁴⁺ 2E → 4A ₂ luminescence in isostructural RE ₂ Sn ₂ O ₇ :Mn ⁴⁺ pyrochlores (RE ³⁺ = Y ³⁺ , Lu ³⁺ or Gd ³⁺). <i>Optical Materials</i> , 2016 , 60, 431-437	3.3	33
317	One-step synthesis and luminescence properties of tetragonal double tungstates nanocrystals. <i>Nanoscale</i> , 2016 , 8, 15486-9	7.7	15
316	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
315	Eu(2+) luminescence in strontium aluminates. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 15236-49	3.6	112
314	Er(3+)/Yb(3+) upconverters for InGaP solar cells under concentrated broadband illumination. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 11234-43	3.6	18
313	Delayed Exciton Emission and Its Relation to Blinking in CdSe Quantum Dots. <i>Nano Letters</i> , 2015 , 15, 7718-25	11.5	113
312	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
311	Frequency non-degenerate sequential excitation of the impurity trapped exciton in strontium fluoride crystals doped with ytterbium. <i>Journal of Applied Physics</i> , 2015 , 117, 133109	2.5	5
310	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

309	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
308	Mixed-Lanthanoid Metal-Organic Framework for Ratiometric Cryogenic Temperature Sensing. <i>Inorganic Chemistry</i> , 2015 , 54, 11323-9	5.1	134
307	Swarm-to-Earth communication in OLFAR. <i>Acta Astronautica</i> , 2015 , 107, 14-19	2.9	21
306	Controlled emission and coupling of small-size YAG:Ce ³⁺ nanocrystals to gold nanowire. <i>Journal of Applied Physics</i> , 2015 , 118, 123105	2.5	2
305	Green Luminescence of Divalent Europium in the Hydride Chloride EuHCl. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 1220-1224	1.3	9
304	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
303	Interventional nerve visualization via the intrinsic anisotropic optical properties of the nerves 2015 ,		1
302	Modeling the Cooperative Energy Transfer Dynamics of Quantum Cutting for Solar Cells. <i>Journal of Physical Chemistry C</i> , 2015 , 150127142849005	3.8	17
301	Upconversion Dynamics in Er ³⁺ -Doped Gd ₂ O ₃ : Influence of Excitation Power, Er ³⁺ Concentration, and Defects. <i>Advanced Optical Materials</i> , 2015 , 3, 558-567	8.1	56
300	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
299	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
298	Infrared to near-infrared and visible upconversion mechanisms in LiYF ₄ : Yb ³⁺ , Ho ³⁺ . <i>Journal of Luminescence</i> , 2014 , 147, 147-154	3.8	24
297	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
296	Bright yellow and green Eu(II) luminescence and vibronic fine structures in LiSrH ₃ , LiBaH ₃ and their corresponding deuterides. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 4807-13	3.6	35
295	Eu(II) luminescence in the perovskite host lattices KMgH ₃ , NaMgH ₃ and mixed crystals LiBa _x Sr _{1-x} H ₃ . <i>Journal of Materials Chemistry C</i> , 2014 , 2, 4799-4804	7.1	22
294	Insights into the energy transfer mechanism in Ce ³⁺ /Yb ³⁺ codoped YAG phosphors. <i>Physical Review B</i> , 2014 , 90,	3.3	66
293	Structure and Hindered Vibration of Bi ²⁺ in the Red-Orange Phosphor SrB ₄ O ₇ :Bi. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 17932-17939	3.8	15
292	Unravelling the Size and Temperature Dependence of Exciton Lifetimes in Colloidal ZnSe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 23313-23319	3.8	32

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	Is Bi ²⁺ Responsible for the Red-Orange Emission of Bismuth-Doped SrBaO_7 ? <i>Journal of Physical Chemistry C</i> , 2014 , 118, 9696-9705	3.8	28
289	Variation of the Eu(II) emission wavelength by substitution of fluoride by hydride in fluorite-type compounds $\text{EuH}_x\text{F}_{2-x}$ (0.20 $\leq x \leq 1.67$). <i>Inorganic Chemistry</i> , 2014 , 53, 4800-2	5.1	18
288	Probing lipid coating dynamics of quantum dot core micelles via Förster resonance energy transfer. <i>Small</i> , 2014 , 10, 1163-70	11	10
287	Photonic effects on the Förster resonance energy transfer efficiency. <i>Nature Communications</i> , 2014 , 5, 3610	17.4	93
286	Size Effects on Semiconductor Nanoparticles 2014 , 13-51		32
285	Optimizing infrared to near infrared upconversion quantum yield of BaNaF_4 :Er ³⁺ in fluoropolymer matrix for photovoltaic devices. <i>Journal of Applied Physics</i> , 2013 , 114, 013505	2.5	75
284	Incorporation and luminescence of Yb ³⁺ in CdSe nanocrystals. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13668-71	16.4	80
283	Upconversion in solar cells. <i>Nanoscale Research Letters</i> , 2013 , 8, 81	5	164
282	Luminescence Temperature Quenching for Ce ³⁺ and Pr ³⁺ f-Emission in YAG and LuAG. <i>ECS Journal of Solid State Science and Technology</i> , 2013 , 2, R3148-R3152	2	79
281	Near-infrared fluorescence energy transfer imaging of nanoparticle accumulation and dissociation kinetics in tumor-bearing mice. <i>ACS Nano</i> , 2013 , 7, 10362-70	16.7	47
280	Impurity-trapped excitons and electron traps in CaF_2 :Yb ²⁺ and SrF_2 :Yb ²⁺ probed by transient photoluminescence enhancement. <i>Journal of Luminescence</i> , 2013 , 133, 81-85	3.8	12
279	Study of a Classical Strobe Composition. <i>Propellants, Explosives, Pyrotechnics</i> , 2013 , 38, 634-643	1.7	2
278	Analysis of the shift of zero-phonon lines for f-f luminescence of lanthanides in relation to the Dorenbos model. <i>Journal of Luminescence</i> , 2013 , 134, 174-179	3.8	11
277	Site-selective transient photoluminescence enhancement of impurity-trapped excitons in NaMgF_3 :Yb ²⁺ . <i>Physical Review B</i> , 2013 , 88,	3.3	11
276	Host composition dependent tunable multicolor emission in the single-phase $\text{Ba}_2(\text{Ln}_{1-z}\text{Tb}_z)(\text{BO}_3)_2\text{Cl}:\text{Eu}$ phosphors. <i>Dalton Transactions</i> , 2013 , 42, 6327-36	4.3	85
275	Luminescence and energy transfer in $\text{Lu}_3\text{Al}_5\text{O}_{12}$ scintillators co-doped with Ce ³⁺ and Pr ³⁺ . <i>Optical Materials</i> , 2013 , 35, 322-331	3.3	43
274	Enhanced luminescence of Ag nanoclusters via surface modification. <i>Nanotechnology</i> , 2013 , 24, 075703	3.4	29

273	Stroboskopgemische: pyrotechnische Mischungen mit oszillierendem Verbrennungsverhalten. <i>Angewandte Chemie</i> , 2013 , 125, 306-321	3.6	3
272	Strobes: pyrotechnic compositions that show a curious oscillatory combustion. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 290-303	16.4	21
271	Luminescence and luminescence quenching in Gd ₃ (Ga,Al)5O ₁₂ scintillators doped with Ce ³⁺ . <i>Journal of Physical Chemistry A</i> , 2013 , 117, 2479-84	2.8	146
270	Red luminescence and persistent luminescence of Sr ₃ Al ₂ O ₅ Cl ₂ :Eu ²⁺ ,Dy ³⁺ . <i>Journal of Luminescence</i> , 2013 , 141, 150-154	3.8	27
269	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
268	Increased Upconversion Response in a-Si:H Solar Cells With Broad-Band Light. <i>IEEE Journal of Photovoltaics</i> , 2013 , 3, 17-21	3.7	32
267	Direct band gap wurtzite gallium phosphide nanowires. <i>Nano Letters</i> , 2013 , 13, 1559-63	11.5	230
266	Developing Efficient Upconverter Silicon Solar Cell Devices 2013 ,		1
265	Single-source precursor synthesis of colloidal CaS and SrS nanocrystals. <i>Materials Letters</i> , 2012 , 80, 75-77	3.3	12
264	Yellow persistent luminescence of Sr ₂ SiO ₄ :Eu ²⁺ ,Dy ³⁺ . <i>Journal of Luminescence</i> , 2012 , 132, 2398-2403	3.8	25
263	The luminescence properties of rare-earth ions in natural fluorite. <i>Physics and Chemistry of Minerals</i> , 2012 , 39, 639-648	1.6	12
262	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
261	High-temperature luminescence quenching of colloidal quantum dots. <i>ACS Nano</i> , 2012 , 6, 9058-67	16.7	241
260	Strobes: an oscillatory combustion. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 4967-75	3.4	9
259	Analysis of the radiative lifetime of Pr ³⁺ d-f emission. <i>Journal of Applied Physics</i> , 2012 , 112, 013536	2.5	34
258	Optical Properties of Mn-Doped ZnTe Magic Size Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1663-7	6.4	69
257	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
256	Solar Spectrum Conversion for Photovoltaics Using Nanoparticles 2012 ,		7

255	Composition tunable cobalt-nickel and cobalt-iron alloy nanoparticles below 10 nm synthesized using acetonated cobalt carbonyl. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 991	2.3	16
254	Progress in phosphors and filters for luminescent solar concentrators. <i>Optics Express</i> , 2012 , 20, A395-405	3.3	62
253	Electron trap liberation in MgF ₂ doped with Yb ²⁺ using a two-color excitation experiment. <i>Applied Physics Letters</i> , 2012 , 100, 041902	3.4	11
252	VUV Spectroscopy of Ca ₃ Sc ₂ Si ₃ O ₁₂ :Pr ³⁺ : Scintillator Optimization by Co-Doping with Mg ²⁺ . <i>ECS Journal of Solid State Science and Technology</i> , 2012 , 1, R127-R130	2	12
251	New luminescent materials and filters for luminescent solar concentrators 2011 ,		1
250	Upconverter solar cells: materials and applications. <i>Energy and Environmental Science</i> , 2011 , 4, 4835	35.4	309
249	4f-5d Transitions of Tb ³⁺ in Cs ₂ NaYF ₆ : the effect of distortion of the excited-state configuration. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 9188-91	2.8	19
248	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
247	Luminescence properties of lanthanide doped alkaline earth chlorides under (V)UV and X-ray excitation. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 4445-4451	5.7	17
246	Transient photoluminescence enhancement as a probe of the structure of impurity-trapped excitons in CaF ₂ :Yb ²⁺ . <i>Physical Review B</i> , 2011 , 84,	3.3	22
245	Fast UV luminescence in Pr ³⁺ -doped eulytite double phosphates. <i>Optical Materials</i> , 2011 , 34, 419-423	3.3	29
244	Growth and stability of ZnTe magic-size nanocrystals. <i>Small</i> , 2011 , 7, 1247-56	11	36
243	Two-fold emission from the S-shell of PbSe/CdSe core/shell quantum dots. <i>Small</i> , 2011 , 7, 3493-501	11	28
242	Influence of cell-internalization on relaxometric, optical and compositional properties of targeted paramagnetic quantum dot micelles. <i>Contrast Media and Molecular Imaging</i> , 2011 , 6, 100-9	3.2	10
241	Enthalpy and entropy of nanoparticle association from temperature-dependent cryo-TEM. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 12770-4	3.6	21
240	Exciton lifetimes of CdTe nanocrystal quantum dots in high magnetic fields. <i>Physical Review B</i> , 2011 , 83,	3.3	28
239	Fast d ¹ emission in Ce ³⁺ , Pr ³⁺ and Nd ³⁺ activated RbCl. <i>Optical Materials</i> , 2011 , 33, 347-354	3.3	12
238	Downconversion for the Er ³⁺ , Yb ³⁺ couple in KPb ₂ Cl ₅ low-phonon frequency host. <i>Journal of Luminescence</i> , 2011 , 131, 608-613	3.8	46

237	Enhancement of the decay rate by plasmon coupling for Eu ³⁺ in an Au nanoparticle model system. <i>Europhysics Letters</i> , 2011 , 93, 57005	1.6	14
236	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
235	Nanoparticles for solar spectrum conversion 2010 ,		4
234	Downconversion for solar cells in YF ₃ :Nd ³⁺ , Yb ³⁺ . <i>Physical Review B</i> , 2010 , 81,	3.3	164
233	Energy transfer mechanism for downconversion in the (Pr ³⁺ , Yb ³⁺) couple. <i>Physical Review B</i> , 2010 , 81,	3.3	106
232	Temperature-Dependent Emission of Monolayer-Protected Au ₃₈ Clusters. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 16025-16028	3.8	35
231	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
230	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
229	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
228	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
227	Downconversion for Solar Cells in YF ₃ :Pr ³⁺ , Yb ³⁺ . <i>Spectroscopy Letters</i> , 2010 , 43, 373-381	1.1	60
226	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
225	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
224	Towards upconversion for amorphous silicon solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2010 , 94, 1919-1922	6.4	108
223	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
222	Dynamical nuclear polarization and confinement effects in ZnO quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 1476-1479	1.3	3
221	Nanoparticles for Solar Spectrum Conversion 2010 , 351-390		1
220	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

219	Synchrotron excitation, emission and theoretical simulation of lanthanide ions in hexachloroelpasolite crystals. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 395501	1.8	10
218	Near-Infrared Quantum Cutting for Photovoltaics. <i>Advanced Materials</i> , 2009 , 21, 3073-3077	24	407
217	Magnetic quantum dots for multimodal imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2009 , 1, 475-91	9.2	63
216	Dynamical nuclear polarization by means of shallow donors in ZnO quantum dots. <i>Physica B: Condensed Matter</i> , 2009 , 404, 4779-4782	2.8	1
215	Luminescent salt. <i>Journal of Luminescence</i> , 2009 , 129, 1535-1537	3.8	13
214	Luminescence properties of SrSi ₂ AlO ₂ N ₃ doped with divalent rare-earth ions. <i>Journal of Luminescence</i> , 2009 , 129, 1341-1346	3.8	56
213	Temperature Quenching of Yellow Ce ³⁺ Luminescence in YAG:Ce. <i>Chemistry of Materials</i> , 2009 , 21, 2077-2084	9.2	1045
212	Supramolecular Dendriphores: Anionic Organometallic Phosphors Embedded in Polycationic Dendritic Species. <i>Organometallics</i> , 2009 , 28, 1082-1092	3.8	12
211	Theoretical Simulation and Synchrotron Excitation Spectra of Lanthanide Ions in Hexafluoroelpasolite Lattices. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 12580-12585	3.8	15
210	Lanthanide ions as spectral converters for solar cells. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 11083-11095	3.65	723
209	Dynamic nuclear polarization of Zn ⁶⁷ and H ¹ spins by means of shallow donors in ZnO nanoparticles. <i>Physical Review B</i> , 2009 , 79,	3.3	18
208	Downconversion for solar cells in NaYF ₄ :Er,Yb. <i>Journal of Applied Physics</i> , 2009 , 106, 023522	2.5	170
207	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
206	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
205	Broadband optical beam forming for airborne phased array antenna 2009 ,		8
204	Energy transfer with semiconductor nanocrystals. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1208-1221		189
203	Optical phase synchronization in coherent optical beamformers for phased array receive antennas 2009 ,		1
202	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

201	Luminescent Solar Concentrators--a review of recent results. <i>Optics Express</i> , 2008 , 16, 21773-92	3.3	364
200	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
199	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
198	Efficient near-UV photosensitization of the Tb(III) green luminescence by use of 2-hydroxyisophthalate ligands. <i>Dalton Transactions</i> , 2008 , 3147-9	4.3	23
197	Broadband Conformal Phased Array with Optical Beam Forming for Airborne Satellite Communication. <i>Aerospace Conference Proceedings IEEE</i> , 2008 ,		9
196	Novel ring resonator-based optical beamformer for broadband phased array receive antennas 2008 ,		3
195	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
194	Optical Materials for Medical Applications: an Overview of Ultrafast Emitting Oxidic Pr ³⁺ Scintillating Materials. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1111, 1		2
193	UV and Visible Luminescence of Pr ³⁺ Doped Oxides: New Materials. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1111, 1		1
192	Conformal phased array with beam forming for airborne satellite communication 2008 ,		18
191	Optical investigation of quantum confinement in PbSe nanocrystals at different points in the Brillouin zone. <i>Small</i> , 2008 , 4, 127-33	11	63
190	Response Concerning On the Interpretation of Colloidal Quantum Dot Absorption Spectra <i>Small</i> , 2008 , 4, 1869-1870	11	1
189	Exciton storage by Mn(2+) in colloidal Mn(2+)-doped CdSe quantum dots. <i>Nano Letters</i> , 2008 , 8, 2949-53	11.5	136
188	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
187	Exciton dynamics and energy transfer processes in semiconductor nanocrystals 2008 , 277-310		4
186	Phased Array Receive Antenna Steering System Using a Ring Resonator-Based Optical Beam Forming Network and Filter-Based Optical SSB-SC Modulation 2007 ,		7
185	Single-Chip Ring Resonator-Based 1 \$times\$ 8 Optical Beam Forming Network in CMOS-Compatible Waveguide Technology. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1130-1132	2.2	63
184	Luminescent and Electronic Properties of Stilbenoid NCN-Pincer PtII Compounds. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 1422-1435	2.3	29

183	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
182	Performance Study of a Ring Resonator-Based Optical Beam Forming System for Phased Array Receive Antennas 2007 ,		3
181	Coherence-Multiplexed Optical RF Feeder Networks. <i>Journal of Lightwave Technology</i> , 2007 , 25, 3396-3406		5
180	Size- and temperature-dependence of exciton lifetimes in CdSe quantum dots. <i>Physical Review B</i> , 2006 , 74,	3.3	272
179	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
178	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
177	Single-chip optical beam forming network in LPCVD waveguide technology based on optical ring resonators 2006 ,		12
176	Phased Array Antenna Steering Using a Ring Resonator-Based Optical Beam Forming Network 2006 ,		9
175	Donor-acceptor pairs in the confined structure of ZnO nanocrystals. <i>Physical Review B</i> , 2006 , 74,	3.3	29
174	The unusual temperature dependence of the fluorescence lifetime in crystals. <i>Journal of Alloys and Compounds</i> , 2006 , 408-412, 784-787	5.7	30
173	Giant change in the intensity of tunneling afterglow in excited ZnO quantum dots induced by the spin reorientation of electron-hole pairs in static and microwave magnetic fields. <i>JETP Letters</i> , 2006 , 84, 400-403	1.2	8
172	Photon management with lanthanides. <i>Optical Materials</i> , 2006 , 28, 575-581	3.3	47
171	Photoluminescence properties of Co ²⁺ -doped ZnO nanocrystals. <i>Journal of Luminescence</i> , 2006 , 118, 245-250	3.8	59
170	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
169	Time and temperature dependence of the emissions from the quantum-cutting phosphor. <i>Journal of Luminescence</i> , 2006 , 121, 456-464	3.8	16
168	4f _n 15d->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
167	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
166	Temperature-dependent energy transfer in cadmium telluride quantum dot solids. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 5504-8	3.4	73

165	A complete energy level diagram for all trivalent lanthanide ions. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 448-453	3.3	116
164	Quenching of emission by and. <i>Journal of Luminescence</i> , 2005 , 114, 267-274	3.8	30
163	Luminescence and scintillation properties of the small band gap compound LaI ₃ :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
162	FULLSPECTRUM: a new PV wave making more efficient use of the solar spectrum. <i>Solar Energy Materials and Solar Cells</i> , 2005 , 87, 467-479	6.4	34
161	Enhancing solar cell efficiency by using spectral converters. <i>Solar Energy Materials and Solar Cells</i> , 2005 , 87, 395-409	6.4	153
160	Visible photon cascade emission from the high energy levels of Er ³⁺ . <i>Chemical Physics Letters</i> , 2005 , 401, 241-245	2.5	18
159	High-frequency EPR and ENDOR spectroscopy on semiconductor nanocrystals. <i>Magnetic Resonance in Chemistry</i> , 2005 , 43 Spec no., S140-4	2.1	14
158	Shallow donors in semiconductor nanoparticles: limit of the effective mass approximation. <i>Physical Review Letters</i> , 2005 , 94, 097602	7.4	45
157	High-resolution measurements of the vacuum ultraviolet energy levels of trivalent gadolinium by excited state excitation. <i>Physical Review B</i> , 2005 , 71,	3.3	18
156	Modeling improvement of spectral response of solar cells by deployment of spectral converters containing semiconductor nanocrystals. <i>Semiconductors</i> , 2004 , 38, 962-969	0.7	47
155	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
154	Efficient energy transfer between nanocrystalline YAG:Ce and TRITC. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 1633-1636	3.6	28
153	The role of Pb ²⁺ as a sensitizer for Gd ³⁺ /Eu ³⁺ downconversion couple in fluorides. <i>Radiation Measurements</i> , 2004 , 38, 767-770	1.5	29
152	Temperature anti-quenching of the luminescence from capped CdSe quantum dots. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3029-33	16.4	126
151	Thulium as a sensitizer for the Gd ³⁺ /Eu ³⁺ quantum cutting couple. <i>Molecular Physics</i> , 2004 , 102, 1285-1290	1.7	16
150	Probing the wave function of shallow Li and Na donors in ZnO nanoparticles. <i>Physical Review Letters</i> , 2004 , 92, 047603	7.4	104
149	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
148	Balanced optical phase diversity receivers for coherence multiplexing. <i>Journal of Lightwave Technology</i> , 2004 , 22, 2393-2408	4	11

147	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
146	Temperature dependence of the luminescence of nanocrystalline CdS/Mn ²⁺ . <i>Journal of Physics and Chemistry of Solids</i> , 2003 , 64, 247-252	3.9	37
145	Thermoluminescence spectroscopy of Eu ²⁺ and Mn ²⁺ doped BaMgAl ₁₀ O ₁₇ . <i>Journal of Luminescence</i> , 2003 , 101, 195-210	3.8	61
144	A theory waiting for an experiment: pair-state formation in a nanocrystal. <i>Journal of Luminescence</i> , 2003 , 102-103, 182-188	3.8	9
143	Probing vacuum ultraviolet energy levels of trivalent gadolinium by two-photon spectroscopy. <i>Journal of Luminescence</i> , 2003 , 102-103, 211-215	3.8	4
142	Luminescence of CdTe nanocrystals. <i>Journal of Luminescence</i> , 2003 , 102-103, 327-332	3.8	27
141	Synthesis and luminescence of (3-mercaptopropyl)-trimethoxysilane capped CdS quantum dots. <i>Journal of Luminescence</i> , 2003 , 102-103, 338-343	3.8	38
140	Temperature-induced line broadening, line narrowing and line shift in the luminescence of nanocrystalline ZnS:Mn ²⁺ . <i>Journal of Luminescence</i> , 2003 , 104, 187-196	3.8	50
139	Synthesis and luminescence of CdS quantum dots capped with a silica precursor. <i>Journal of Luminescence</i> , 2003 , 105, 35-43	3.8	70
138	Luminescence and growth of CdTe quantum dots and clusters. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 1253-1258	3.6	87
137	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
136	Luminescence spectroscopy of high-energy 4f 11 levels of Er ³⁺ in fluorides. <i>Molecular Physics</i> , 2003 , 101, 1047-1056	1.7	30
135	Quantum efficiency of europium emission from nanocrystalline powders of Lu ₂ O ₃ :Eu. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 5145-5155	1.8	46
134	Blueing, Bleaching, and Blinking of Single CdSe/ZnS Quantum Dots. <i>ChemPhysChem</i> , 2002 , 3, 871-879	3.2	236
133	Time-resolved luminescence of ZnS:Mn ²⁺ nanocrystals. <i>Journal of Luminescence</i> , 2002 , 96, 87-93	3.8	40
132	Luminescence of nanocrystalline ZnS:Cu ²⁺ . <i>Journal of Luminescence</i> , 2002 , 99, 325-334	3.8	155
131	High energy levels and high-energetic emissions of the trivalent holmium ion in LiYF ₄ and YF ₃ . <i>Optics Communications</i> , 2002 , 204, 195-202	2	17
130	Site selective 4f5d spectroscopy of CaF ₂ : Pr ³⁺ . <i>Journal of Luminescence</i> , 2002 , 97, 107-114	3.8	36

129	Luminescence of La ₃ F ₃ [Si ₃ O ₉]:Ce ³⁺ . <i>Journal of Luminescence</i> , 2002 , 99, 101-105	3.8	24
128	Time-Resolved Fluorescence Spectroscopy Study on the Photophysical Behavior of Quantum Dots. <i>Journal of Fluorescence</i> , 2002 , 12, 69-76	2.4	17
127	4f _n ->4f _{n-1} 5d transitions of the heavy lanthanides: Experiment and theory. <i>Physical Review B</i> , 2002 , 65,	3.3	194
126	Reappearance of fine structure as a probe of lifetime broadening mechanisms in the 4f(N) --> 4f(N-1)5d excitation spectra of Tb ³⁺ , Er ³⁺ , and Tm ³⁺ in CaF ₂ and LiYF ₄ . <i>Physical Review Letters</i> , 2002 , 88, 067405	7.4	35
125	Temperature dependence of infrared-absorption lines of Co ²⁺ in cadmium halides. <i>Physical Review B</i> , 2002 , 66,	3.3	6
124	4f _n ->4f _{n-1} 5d transitions of the light lanthanides: Experiment and theory. <i>Physical Review B</i> , 2002 , 65,	3.3	257
123	On the Incorporation of Trivalent Rare Earth Ions in II/VI Semiconductor Nanocrystals. <i>Chemistry of Materials</i> , 2002 , 14, 1121-1126	9.6	204
122	Trends in parameters for the 4f _N ->4f _{N-1} 5d spectra of lanthanide ions in crystals. <i>Journal of Alloys and Compounds</i> , 2002 , 344, 240-245	5.7	60
121	Spectral Imaging of Single CdSe/ZnS Quantum Dots Employing Spectrally- and Time-resolved Confocal Microscopy. <i>Springer Series on Fluorescence</i> , 2002 , 317-335	0.5	2
120	Investigation of nanostructured Lu ₂ O ₃ :Tb 2001 , 4413, 176		4
119	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
118	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
117	Luminescence of Nanocrystalline ZnS:Pb ²⁺ . <i>Physica Status Solidi (B): Basic Research</i> , 2001 , 224, 173-177	1.3	17
116	Factors Influencing the Luminescence Quantum Efficiency of Nanocrystalline ZnS:Mn ²⁺ . <i>Physica Status Solidi (B): Basic Research</i> , 2001 , 224, 291-296	1.3	31
115	Photoelectrochemical Characterization of Nanocrystalline ZnS:Mn ²⁺ Layers. <i>Physica Status Solidi (B): Basic Research</i> , 2001 , 224, 307-312	1.3	16
114	Line broadening studies for isoelectronic divalent and trivalent lanthanides. <i>Journal of Luminescence</i> , 2001 , 92, 189-197	3.8	11
113	4f _n ->4f _{n-1} 5d transitions of the trivalent lanthanides: experiment and theory. <i>Journal of Luminescence</i> , 2001 , 94-95, 79-83	3.8	37
112	Probabilities for dopant pair-state formation in a nanocrystal: Simulations and theory. <i>Physical Review B</i> , 2001 , 64,	3.3	25

111	Continuous-wave two-photon excitation of individual CdS nanocrystallites. <i>Applied Physics Letters</i> , 2001 , 79, 830-832	3.4	15
110	High-energy $2G(2)9/2$ emission and $4f25d \rightarrow 4f3$ multiphonon relaxation for Nd ³⁺ in orthoborates and orthophosphates. <i>Physical Review B</i> , 2001 , 64,	3.3	22
109	Luminescence of nanocrystalline ZnSe:Cu. <i>Applied Physics Letters</i> , 2001 , 79, 4222-4224	3.4	82
108	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	34 ⁰
107	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	15 ⁰
106	Luminescence of nanocrystalline ZnS:Pb ²⁺ . <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 2105-2112	3.6	67
105	Electronic states and interactions in pure and rare-earth doped CsCdBr ₃ . <i>Radiation Effects and Defects in Solids</i> , 2001 , 154, 223-229	0.9	6
104	Luminescence of Exchange Coupled Pairs of Transition Metal Ions. <i>Journal of the Electrochemical Society</i> , 2001 , 148, E313	3.9	87
103	Synthesis and Photoluminescence of Nanocrystalline ZnS:Mn ²⁺ . <i>Nano Letters</i> , 2001 , 1, 429-433	11.5	304
102	Emission spectra and trends for $4fn \rightarrow 5d \leftarrow 4fn$ transitions of lanthanide ions: Experiment and theory. <i>Journal of Chemical Physics</i> , 2001 , 115, 9382-9392	3.9	53
101	Site-selective laser spectroscopy of $4fn \rightarrow 5d$ transitions in CaF ₂ :Pr ³⁺ with F ⁻ D ⁺ H ⁻ Li ⁺ , or Na ⁺ charge compensation. <i>Journal of Chemical Physics</i> , 2001 , 115, 9393-9400	3.9	15
100	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
99	Preparation, X-ray analysis and spectroscopic investigation of nanostructured Lu ₂ O ₃ :Tb. <i>Journal of Alloys and Compounds</i> , 2001 , 323-324, 8-12	5.7	51
98	Luminescence of doped nanocrystalline ZnSe. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 667, 1		1
97	Applications of ZnS:Mn ²⁺ nanocrystals. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 676, 381		
96	Luminescence of Lu ₂ O ₃ :Tm ³⁺ nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 667, 1		4
95	Luminescence of nanocrystalline ZnS:Pb ²⁺ . <i>Materials Research Society Symposia Proceedings</i> , 2001 , 667, 1		
94	Pair-state formation in a nanocrystal: a theoretical perspective. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 676, 681		

93 Nanocrystalline Semiconductors: Optical Properties **2001**, 5905-5908

92	Electron-phonon coupling of Cr ³⁺ in YAG and YGG. <i>Journal of Luminescence</i> , 2000 , 87-89, 601-604	3.8	33
91	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
90	Quantum cutting through downconversion in rare-earth compounds. <i>Journal of Luminescence</i> , 2000 , 87-89, 1017-1019	3.8	94
89	A theoretical calculation of vibronic coupling strength: the trend in the lanthanide ion series and the host-lattice dependence. <i>Journal of Physics and Chemistry of Solids</i> , 2000 , 61, 1489-1498	3.9	27
88	Electron-phonon coupling of Cr ³⁺ doped garnets. <i>Journal of Physics and Chemistry of Solids</i> , 2000 , 61, 1717-1725	3.9	40
87	Charge transfer luminescence of Yb ³⁺ . <i>Journal of Luminescence</i> , 2000 , 91, 177-193	3.8	308
86	Doped semiconductor nanoparticles – a new class of luminescent materials?. <i>Journal of Luminescence</i> , 2000 , 87-89, 315-318	3.8	84
85	Extending Dieke's diagram. <i>Journal of Luminescence</i> , 2000 , 87-89, 1002-1004	3.8	124
84	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
83	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
82	Line broadening studies for Cr ³⁺ pairs and single ions in different oxide lattices. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 8607-8615	1.8	9
81	Spectroscopy and calculations for 4f ^N ->4f ^{N-1} 5d transitions of lanthanide ions in LiYF ₄ . <i>Physical Review B</i> , 2000 , 62, 14744-14749	3.3	147
80	On the Nature of the Luminescence of Sr ₂ CeO ₄ . <i>Journal of the Electrochemical Society</i> , 2000 , 147, 4688	3.9	85
79	Band structure and excitons in CsCdBr ₃ . <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 479-482	5.7	8
78	Downconversion: a new route to visible quantum cutting. <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 421-425	5.7	70
77	Charge transfer luminescence of Yb ³⁺ in orthophosphates. <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 426-429	5.7	35
76	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

75	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
74	Luminescence of nanocrystalline ZnSe:Mn ²⁺ . <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 5445-5448	3.6	195
73	VUV Spectroscopy of Lanthanides: Extending the Horizon. <i>Materials Science Forum</i> , 1999 , 315-317, 11-260.4	24	
72	Spectroscopic studies of dynamically compacted monoclinic ZrO ₂ . <i>Journal of Physics and Chemistry of Solids</i> , 1999 , 60, 1909-1914	3.9	47
71	Visible quantum cutting in Eu ³⁺ -doped gadolinium fluorides via downconversion. <i>Journal of Luminescence</i> , 1999 , 82, 93-104	3.8	148
70	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
69	Visible quantum cutting in LiGdF ₄ :Eu ³⁺ through downconversion. <i>Science</i> , 1999 , 283, 663-6	33.3	809
68	Study of the Vibronic Transitions of Gd ³⁺ and Eu ³⁺ in Crystalline Materials and Glasses of the Same Composition. <i>Journal of Solid State Chemistry</i> , 1998 , 136, 206-209	3.3	11
67	Electron-phonon coupling of Cr ³⁺ -pairs and isolated sites in Al ₂ O ₃ and MgO. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998 , 54, 1755-1761	4.4	11
66	Long wavelength Ce ³⁺ emission in YBiO ₄ materials. <i>Journal of Alloys and Compounds</i> , 1998 , 268, 272-277.7	5.7	188
65	Spin-allowed and spin-forbidden f _d emission from Er ³⁺ and LiYF ₄ . <i>Physical Review B</i> , 1998 , 57, R2025-R2028	3.3	49
64	Size-Selective Photoetching of Nanocrystalline Semiconductor Particles. <i>Chemistry of Materials</i> , 1998 , 10, 3513-3522	9.6	133
63	Long-lived Mn ²⁺ emission in nanocrystalline ZnS:Mn ²⁺ . <i>Physical Review B</i> , 1998 , 58, R15997-R16000	3.3	376
62	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
61	Vacuum-ultraviolet spectroscopy and quantum cutting for Gd ³⁺ in LiYF ₄ . <i>Physical Review B</i> , 1997 , 56, 13841-13848	3.3	234
60	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
59	The Luminescence of Mn ²⁺ -Activated ZnGa ₂ O ₄ . <i>Journal of the Electrochemical Society</i> , 1997 , 144, 2179-2183.40	3.3	183
58	Vibronic transitions of Tm ³⁺ in various lattices A comparison with Pr ³⁺ , Eu ³⁺ and Gd ³⁺ . <i>Journal of Luminescence</i> , 1997 , 72-74, 183-184	3.8	9

57	ON THE QUENCHING OF THE Yb ²⁺ LUMINESCENCE IN DIFFERENT HOST LATTICES. <i>Journal of Physics and Chemistry of Solids</i> , 1997 , 58, 963-968	3.9	38
56	On the luminescence of GdF ₃ : Ce ³⁺ , Mn ²⁺ . <i>Solid State Communications</i> , 1997 , 103, 537-540	1.6	17
55	Size selective photoetching of nanocrystalline CdS particles. <i>Chemical Physics Letters</i> , 1997 , 269, 494-499.	2.5	27
54	Photostimulated luminescence and thermally stimulated luminescence of (Ba,Sr)F _{1+x} Rr _{1-x} -Eu ²⁺ . <i>Materials Chemistry and Physics</i> , 1996 , 44, 170-177	4.4	13
53	Luminescence of Cu ⁺ in some fluoride perovskites. <i>Chemical Physics Letters</i> , 1996 , 253, 108-112	2.5	13
52	Vibronic transitions of Tm ³⁺ in various lattices. <i>Journal of Luminescence</i> , 1996 , 69, 1-15	3.8	25
51	The origin of blue and ultraviolet emission from porous GaP. <i>Applied Physics Letters</i> , 1996 , 69, 2801-2803.	3.4	39
50	Electron-Phonon Coupling in Rare Earth Compounds. <i>Acta Physica Polonica A</i> , 1996 , 90, 109-119	0.6	25
49	Non-radiative relaxation processes of the Pr ³⁺ ion. <i>Journal of Applied Spectroscopy</i> , 1995 , 62, 664-670	0.7	9
48	Spectroscopy of divalent samarium in LiBaF ₃ . <i>Journal of Luminescence</i> , 1995 , 63, 189-201	3.8	38
47	Luminescence of divalent ytterbium in magnesium fluoride crystals. <i>Journal of Luminescence</i> , 1995 , 63, 223-234	3.8	49
46	The luminescence of Eu ²⁺ in magnesium fluoride crystals. <i>Journal of Luminescence</i> , 1995 , 65, 303-311	3.8	40
45	The variation of the electron-phonon coupling strength through the trivalent lanthanide ion series. <i>Journal of Luminescence</i> , 1995 , 66-67, 240-243	3.8	14
44	The vibronic spectroscopy and luminescence concentration quenching of the Pr ³⁺ ion in La ₂ O ₃ , LaOF and LiYF ₄ . <i>Journal of Physics and Chemistry of Solids</i> , 1995 , 56, 267-276	3.9	32
43	Vibronic rare earth spectroscopy: Results and pitfalls. <i>Journal of Alloys and Compounds</i> , 1995 , 225, 24-27.	5.7	16
42	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
41	Cooperative luminescence of ytterbium(III) in La ₂ O ₃ . <i>Chemical Physics Letters</i> , 1995 , 246, 495-498	2.5	21
40	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

39	On the luminescence of divalent ytterbium in KMgF ₃ and NaMgF ₃ . <i>Journal of Physics and Chemistry of Solids</i> , 1995 , 56, 959-964	3.9	38
38	Vibronic spectroscopy of Pr ³⁺ in host lattices with the scheelite structure. <i>Journal of Physics Condensed Matter</i> , 1994 , 6, 6043-6056	1.8	17
37	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
36	The luminescence of Tm ²⁺ in strontium tetraborate. <i>Journal of Luminescence</i> , 1994 , 62, 55-59	3.8	44
35	Saturation effects in the excitation spectra of rare-earth ions. <i>Journal of Luminescence</i> , 1994 , 62, 189-201	3.8	38
34	Luminescence of divalent ytterbium in alkaline earth sulphates. <i>Journal of Luminescence</i> , 1994 , 59, 185-198	3.8	62
33	6I emission and vibronic transitions of Eu ²⁺ in KMgF ₃ . <i>Journal of Luminescence</i> , 1994 , 59, 293-301	3.8	60
32	The first observation of 6I → 8S emission from Eu ²⁺ in KMgF ₃ . <i>Journal of Luminescence</i> , 1994 , 60-61, 70-73	3.8	6
31	Vibronic transitions in the luminescence spectra of Pr ³⁺ in Na ₅ La(MoO ₄) ₄ . <i>Journal of Luminescence</i> , 1994 , 60-61, 74-77	3.8	6
30	Vibronic transitions of rare earth ions. <i>Journal of Luminescence</i> , 1994 , 58, 26-32	3.8	35
29	The scintillation intensity and decay from Nd ³⁺ 4f ² 5d and 4f ³ excited states in several fluoride crystals. <i>Journal of Physics Condensed Matter</i> , 1993 , 5, 8437-8460	1.8	35
28	Energy transfer processes involving different luminescence centres in BaF ₂ :Ce. <i>Journal of Physics Condensed Matter</i> , 1993 , 5, 1659-1680	1.8	52
27	Defect dynamics in superionic PbF ₂ :Eu ³⁺ . <i>Physical Review B</i> , 1993 , 47, 2970-2978	3.3	1
26	One- and two-photon vibronic spectroscopy of Pr ³⁺ in SrMoO ₄ . <i>Journal of Luminescence</i> , 1993 , 55, 315-319	3.8	17
25	Spectroscopy and vibronic transitions of divalent europium in LiBaF ₃ . <i>Journal of Luminescence</i> , 1993 , 55, 125-138	3.8	69
24	Concentration enhancement of the vibronic transitions of the Pr ³⁺ ion. <i>Journal of Physics and Chemistry of Solids</i> , 1993 , 54, 293-300	3.9	28
23	The vibronic spectroscopy of Pr ³⁺ in YOCl and LaOCl. <i>Journal of Physics and Chemistry of Solids</i> , 1993 , 54, 873-881	3.9	21
22	Luminescence of Ag ⁺ in crystalline and glassy SrB ₄ O ₇ . <i>Journal of Physics and Chemistry of Solids</i> , 1993 , 54, 901-906	3.9	59

21	Vibronic transition probabilities in the excitation spectra of the Pr ³⁺ -ion. <i>Journal of Physics Condensed Matter</i> , 1992 , 4, 8889-8902	1.8	41
20	The luminescence of Na ₃ GdCl ₆ and NaGdCl ₄ . <i>Journal of Physics and Chemistry of Solids</i> , 1992 , 53, 1147-1152	1.5	2
19	Defect dynamics in PbF ₂ -Eu ³⁺ . <i>Journal of Luminescence</i> , 1992 , 53, 116-120	3.8	1
18	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
17	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
16	The luminescence of ytterbium(II) in strontium tetraborate. <i>Chemical Physics Letters</i> , 1990 , 167, 41-44	2.5	83
15	Luminescence and temperature dependent decay behaviour of divalent europium in Ba ₅ SiO ₄ X ₆ (X = Cl, Br). <i>Journal of Luminescence</i> , 1990 , 47, 1-5	3.8	61
14	Photoluminescence and thermoluminescence properties of Ca ₂ PO ₄ Cl:Eu ²⁺ . <i>Journal of Physics Condensed Matter</i> , 1990 , 2, 3619-3628	1.8	18
13	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
12	Photostimulation mechanisms of x-ray-irradiated RbBr:Tl. <i>Journal of Applied Physics</i> , 1989 , 66, 4418-4424	4.5	43
11	A new photostimulable phosphor: Eu ²⁺ -activated bariumbromosilicate (Ba ₅ SiO ₄ Br ₆). <i>Materials Chemistry and Physics</i> , 1989 , 21, 261-270	4.4	46
10	Luminescence and energy migration in (Sr,Eu)B ₄ O ₇ , a system with a 4f ⁷ -4f ⁶ 5d crossover in the excited state. <i>Journal of Luminescence</i> , 1989 , 44, 19-31	3.8	97
9	Luminescence and energy migration in the solid state and in the ordered columnar mesophase of peripherally octa-n-dodecoxy-substituted phthalocyanine. <i>Chemical Physics Letters</i> , 1989 , 154, 420-424	2.5	38
8	The temperature dependence of the luminescence of Gd ₂ O ₂ S:Pr ³⁺ upon 4f ⁷ 5d excitation. <i>Inorganica Chimica Acta</i> , 1989 , 160, 29-31	2.7	7
7	Luminescence properties of Eu ²⁺ -activated alkaline earth haloborates. <i>Journal of Luminescence</i> , 1989 , 43, 283-289	3.8	136
6	Fano antiresonance in the excitation spectra of the luminescence of divalent europium. <i>Physical Review B</i> , 1989 , 40, 7288-7291	3.3	27
5	Luminescence and energy transfer in lead-activated strontium haloborate (Sr, Pb) ₂ B ₅ O ₉ X (X = Cl, Br). <i>Journal of Solid State Chemistry</i> , 1988 , 76, 115-123	3.3	26
4	Energy transfer phenomena in Li(Y, Gd)F ₄ :Ce, Tb. <i>Journal of Luminescence</i> , 1986 , 35, 155-161	3.8	55

3	A generalization of a coherence multiplexing system		3
2	Chasing Down the Eu ²⁺ Ions: The Delicate Structure-Property Relationships in the Ultra-Narrow Band Phosphor K _{1.6} Na _{2.1} Li _{0.3} [Li ₃ SiO ₄] ₄ :Eu ²⁺ . <i>Advanced Optical Materials</i> ,2101643	8.1	2
1	Beyond the Energy Gap Law: The Influence of Selection Rules and Host Compound Effects on Nonradiative Transition Rates in Boltzmann Thermometers. <i>Advanced Optical Materials</i> ,2200059	8.1	3