

Jack Silver

List of Publications by Year in Descending Order

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

334
papers

5,999
citations

36
h-index

57
g-index

349
ext. papers

6,399
ext. citations

3
avg, IF

5.21
L-index

#	Paper	IF	Citations
334	Studies on the binding of nitrogenous bases to protoporphyrin IX iron(II) in aqueous solution at high pH values.. <i>Journal of Biological Inorganic Chemistry</i> , 2022 , 27, 297	3.7	0
333	Early defect identification for micro light-emitting diode displays via photoluminescent and cathodoluminescent imaging. <i>Journal of the Society for Information Display</i> , 2021 , 29, 264-274	2.1	2
332	Photoluminescence and cathodoluminescence of BaAl ₂ O ₄ :Eu ²⁺ and undoped BaAl ₂ O ₄ : evidence for F-centres. <i>Optical Materials Express</i> , 2020 , 10, 1962	2.6	3
331	Crystal structure, photoluminescence and cathodoluminescence of Ba _{1-x} Sr _x Al ₂ O ₄ doped with Eu ²⁺ . <i>Optical Materials Express</i> , 2020 , 10, 1951	2.6	
330	37-4: Micro LED Defect Analysis via Photoluminescent and Cathodoluminescent Imaging. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 532-535	0.5	3
329	Crystal structure, photoluminescence and cathodoluminescence of Sr _{1-x} Ca _x Al ₂ O ₄ doped with Eu ²⁺ . <i>Optical Materials Express</i> , 2019 , 9, 2175	2.6	7
328	Crystal structure, photoluminescence and cathodoluminescence of Ba _{1-x} Ca _x Al ₂ O ₄ doped with Eu ²⁺ . <i>Optical Materials Express</i> , 2019 , 9, 3895	2.6	2
327	Luminescence properties of Ag ₂ WO ₄ nanorods co-doped with Li ⁺ and Eu ³⁺ cations and their effects on its structure. <i>Journal of Luminescence</i> , 2019 , 206, 442-454	3.8	18
326	Reassignment of electronic transitions in the laser-activated spectrum of nanocrystalline Y ₂ O ₃ :Er ³⁺ . <i>Journal of Luminescence</i> , 2018 , 196, 337-346	3.8	6
325	Cathodoluminescence of Y ₂ O ₃ :Ln ³⁺ (Ln = Tb, Er and Tm) and Y ₂ O ₃ :Bi ³⁺ nanocrystalline particles at 200 keV. <i>RSC Advances</i> , 2018 , 8, 396-405	3.7	3
324	32-4: Potential Red Phosphors for LEDs: Replacing Eu ³⁺ Activators in LiEu(WO ₄) ₂ with Al ³⁺ Cations. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 409-412	0.5	
323	On the Photo- and Cathodoluminescence of LaB ₃ O ₆ :Gd,Bi, Y ₃ Al ₅ O ₁₂ :Pr, Y ₃ Al ₅ O ₁₂ :Gd, Lu ₃ Al ₅ O ₁₂ :Pr, and Lu ₃ Al ₅ O ₁₂ :Gd. <i>ECS Journal of Solid State Science and Technology</i> , 2018 , 7, R206-R214 ²		5
322	Ultrathin YO:Eu nanodiscs: spectroscopic investigations and evidence for reduced concentration quenching. <i>Nanotechnology</i> , 2018 , 29, 455703	3.4	4
321	Development of high temperature, radiation hard detectors based on diamond. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017 , 845, 128-131	1.2	6
320	AC electroluminescent lamps: shedding some light on their mysteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 7006-7012	2.1	6
319	Low temperature micro Raman and laser induced upconversion and downconversion spectra of europium doped silver tungstate Ag ₂ B _x Eu _x WO ₄ nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 7029-7035	2.1	10
318	Structure and luminescence analyses of simultaneously synthesised (LuGd)OS:Tb and (LuGd)O:Tb. <i>Dalton Transactions</i> , 2017 , 46, 7693-7707	4.3	8

317	P-121: Sub-micrometre Phosphor Preparation for Next Generation Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 1711-1714	0.5	5
316	Cathodoluminescence and Photoluminescence of YPO ₄ :Pr ³⁺ , Y ₂ SiO ₅ :Pr ³⁺ , YBO ₃ :Pr ³⁺ , and YPO ₄ :Bi ³⁺ . <i>ECS Journal of Solid State Science and Technology</i> , 2017 , 6, R47-R52	2	21
315	An excellent cyan-emitting orthosilicate phosphor for NUV-pumped white LED application. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 12365-12377	7.1	138
314	New Developments in Cathodoluminescence Spectroscopy for the Study of Luminescent Materials. <i>Materials</i> , 2017 , 10,	3.5	5
313	Evaluation of Thermally Stable Phosphor Screens for Application in Laser Diode Excited High Brightness White Light Modules. <i>ECS Journal of Solid State Science and Technology</i> , 2016 , 5, R3001-R3006 ²		11
312	Photoluminescence, cathodoluminescence and micro-Raman investigations of monoclinic nanometre-sized Y ₂ O ₃ and Y ₂ O ₃ :Eu ³⁺ . <i>Journal of Materials Chemistry C</i> , 2016 , 4, 8930-8938	7.1	7
311	Red Shift of CT-Band in Cubic Y ₂ O ₃ :Eu ³⁺ upon Increasing the Eu ³⁺ Concentration. <i>ECS Journal of Solid State Science and Technology</i> , 2016 , 5, R59-R66	2	12
310	Physics of Light Emission from Rare Earth-Doped Phosphors 2016 , 1567-1576		1
309	Chemistry and Synthesis of Inorganic Light-Emitting Phosphors 2016 , 1577-1592		1
308	Ultraviolet and blue cathodoluminescence from cubic Y ₂ O ₃ and Y ₂ O ₃ :Eu ³⁺ generated in a transmission electron microscope. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7026-7034	7.1	18
307	Non-Passive Behavior of Equivalent Circuit Components in AC Powder Electroluminescence (ACPEL) Lamps. <i>ECS Journal of Solid State Science and Technology</i> , 2016 , 5, R211-R218	2	1
306	Color Conversion Phosphors for Light Emitting Diodes 2016 , 91-134		1
305	Investigating the Emission Characteristics of Single Crystal YAG When Activated by High Power Laser Beams. <i>ECS Journal of Solid State Science and Technology</i> , 2016 , 5, R172-R177	2	7
304	Laser Diode Induced Lighting Modules. <i>ECS Journal of Solid State Science and Technology</i> , 2016 , 5, R26-R33		6
303	Nanosized (Y _{1-x} Gd _x) ₂ O ₂ S:Tb ³⁺ particles: synthesis, photoluminescence, cathodoluminescence studies and a model for energy transfer in establishing the roles of Tb ³⁺ and Gd ³⁺ . <i>RSC Advances</i> , 2016 , 6, 42561-42571	3.7	8
302	Symmetry-Related Transitions in the Spectrum of Nanosized Cubic Y ₂ O ₃ :Tb ³⁺ . <i>ECS Journal of Solid State Science and Technology</i> , 2015 , 4, R105-R113	2	14
301	Contrast and decay of cathodoluminescence from phosphor particles in a scanning electron microscope. <i>Ultramicroscopy</i> , 2015 , 157, 27-34	3.1	7
300	Symmetry-Related Transitions in the Photoluminescence and Cathodoluminescence Spectra of Nanosized Cubic Y ₂ O ₃ :Tb ³⁺ . <i>ECS Journal of Solid State Science and Technology</i> , 2015 , 4, R145-R152	2	11

299	Cathodoluminescence and electron microscopy of red quantum dots used for display applications. <i>Journal of the Society for Information Display</i> , 2015 , 23, 50-55	2.1	9
298	Thick Film AC Electroluminescence 2015 , 1-18		3
297	Multicolour correlative imaging using phosphor probes. <i>Journal of Chemical Biology</i> , 2015 , 8, 169-177		12
296	Paper No S10.2: Cathodoluminescence Imaging and EELS of Quantum Dot in Rods Excited in a Field Emission Transmission Electron Microscope. <i>Digest of Technical Papers SID International Symposium</i> , 2015 , 46, 43-43	0.5	1
295	Cathodoluminescence studies of phosphors in a scanning electron microscope. <i>Journal of Physics: Conference Series</i> , 2015 , 619, 012051	0.3	
294	Paper No S10.4: Transmission Electron Microscope Study of Symmetry-related Transitions in Cubic Y ₂ O ₃ :Tb ³⁺ . <i>Digest of Technical Papers SID International Symposium</i> , 2015 , 46, 45-45	0.5	
293	Materials Suitable for preparing Inorganic Nanocasts of butterflies and other insects. <i>Journal of Physics: Conference Series</i> , 2015 , 619, 012050	0.3	
292	Cathodoluminescent images and spectra of single crystals of Y ₂ O ₂ S:Tb ³⁺ and Gd ₂ O ₂ S:Tb ³⁺ nanometer sized phosphor crystals excited in a field emission scanning transmission electron microscope. <i>Journal of Physics: Conference Series</i> , 2015 , 619, 012049	0.3	1
291	Cathodoluminescence of Nanocrystalline Y ₂ O ₃ :Eu ³⁺ with Various Eu ³⁺ Concentrations. <i>ECS Journal of Solid State Science and Technology</i> , 2015 , 4, R1-R9	2	19
290	Chemistry and Synthesis of Inorganic Light-Emitting Phosphors 2015 , 1-13		
289	Physics of Light Emission from Rare Earth-Doped Phosphors 2015 , 1-8		1
288	7.2: Red Quantum Dots under the Electron Microscope. <i>Digest of Technical Papers SID International Symposium</i> , 2014 , 45, 59-62	0.5	5
287	Studies on the Orientation of ACEL ZnS:Cu Particles in Applied AC Fields. <i>ECS Journal of Solid State Science and Technology</i> , 2014 , 3, R25-R32	2	10
286	Equivalent Circuits and Efficacy of Single-Layer ACEL Devices. <i>ECS Journal of Solid State Science and Technology</i> , 2014 , 3, R104-R108	2	5
285	Cathodoluminescence of Double Layers of Phosphor Particles. <i>ECS Journal of Solid State Science and Technology</i> , 2014 , 3, R53-R59	2	6
284	Effects of the host lattice and doping concentration on the colour of Tb ³⁺ cation emission in Y ₂ O ₂ S:Tb ³⁺ and Gd ₂ O ₂ S:Tb ³⁺ nanometer sized phosphor particles. <i>Nanoscale</i> , 2013 , 5, 8640-6	7.7	43
283	Contrasting behaviour of the co-activators in the luminescence spectra of Y ₂ O ₂ S:Tb ³⁺ ,Er ³⁺ nanometre sized particles under UV and red light excitation. <i>Nanoscale</i> , 2013 , 5, 1091-6	7.7	20
282	Incorporation of Luminescent Zinc Oxide Nanoparticles into Polystyrene. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1509, 1		4

281	19.6L: Late-News Paper: How to Fabricate Much Brighter AC Electroluminescent Lamps: Optimizing the Alignment of the Emitting ZnS:Cu Phosphor Particles to the AC Field. <i>Digest of Technical Papers SID International Symposium</i> , 2013 , 44, 224-227	0.5	2
280	Cathodoluminescence of Powder Layers of Nanometer-Sized Y ₂ O ₃ :Eu and Micrometer-Sized ZnO:Zn Phosphor Particles. <i>ECS Journal of Solid State Science and Technology</i> , 2013 , 2, R201-R207	2	15
279	Sound transmission testing of polymer compounds. <i>Polymer Testing</i> , 2012 , 31, 312-321	4.5	22
278	A novel method for the preparation of non-agglomerated nanometre sized particles of lanthanum phosphate phosphors utilising a high surface area support in the firing process. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21529		5
277	63.3: Enhanced Cathodoluminescence of a Double Layer of two Phosphors. <i>Digest of Technical Papers SID International Symposium</i> , 2012 , 43, 861-864	0.5	2
276	Physics of Light Emission from Rare-Earth Doped Phosphors 2012 , 1019-1028		3
275	Chemistry and Synthesis of Inorganic Light Emitting Phosphors 2012 , 1029-1039		1
274	Achieving structured colour in inorganic systems: Learning from the natural world. <i>Optics and Laser Technology</i> , 2011 , 43, 401-409	4.2	4
273	Incorporation of wheat starch and coupling agents into poly(lactic acid) to develop biodegradable composite. <i>Plastics, Rubber and Composites</i> , 2011 , 40, 17-24	1.5	7
272	28.1: Invited Paper: Novel, Bright, Inorganic Electroluminescent Flexible Displays Comprising Ink Jet Printed Silver Back Electrodes. <i>Digest of Technical Papers SID International Symposium</i> , 2010 , 41, 397	0.5	10
271	Structure and Morphology of ACEL ZnS:Cu,Cl Phosphor Powder Etched by Hydrochloric Acid. <i>Journal of the Electrochemical Society</i> , 2009 , 156, J326	3.9	9
270	Characterisation of Gd ₂ O ₂ S:Pr phosphor screens for water window X-ray detection. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 600, 434-439	1.2	14
269	Raman and luminescence spectroscopy study of europium doped zirconia. <i>Journal of Materials Research</i> , 2008 , 23, 1854-1861	2.5	4
268	Light-emitting nanocasts formed from bio-templates: FESEM and cathodoluminescent imaging studies of butterfly scale replicas. <i>Nanotechnology</i> , 2008 , 19, 095302	3.4	21
267	14.5: Invited Paper: Novel, Flexible AC Electroluminescent Lamps for Innovative Display Applications. <i>Digest of Technical Papers SID International Symposium</i> , 2008 , 39, 182	0.5	9
266	P-125: Small Particle Size Lanthanum Cerium Terbium Phosphate (LAP) and Yttrium Europium Oxide (YEO) Phosphors for CCFL Backlight Units in LCD Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2008 , 39, 1663	0.5	2
265	Low-voltage cathodoluminescent red emitting phosphors for field emission displays. <i>Journal of Luminescence</i> , 2007 , 122-123, 562-566	3.8	17
264	P-84: Experimental and Theoretical Luminous Efficacies of Phosphors used for Producing White Light from Blue-emitting LEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2007 , 38, 515-518 ^{0.5}		

263	Stimulation of visible luminescence by irradiation of a novel phosphor screen with an infrared beam. <i>Optical Engineering</i> , 2006 , 45, 024001	1.1	2
262	Redox properties of a green emitting ZnGa ₂ O ₄ :Mn low voltage cathodoluminescent phosphor. <i>Journal of Materials Science: Materials in Electronics</i> , 2006 , 17, 745-753	2.1	2
261	UV photoluminescence from small particles of calcium cadmium sulfide solid solutions. <i>Journal of Optics</i> , 2005 , 7, S265-S269		5
260	Novel nano-structured phosphor materials cast from natural Morpho butterfly scales. <i>Journal of Modern Optics</i> , 2005 , 52, 999-1007	1.1	27
259	The use of a novel phosphor screen for visualising the infrared beam of a gas detector 2005 , 5826, 425		
258	P-80: A New Oxide/Oxysulfide Based Phosphor Triad and High-Efficiency Green-Emitting (Y, Gd) ₂ O ₂ S:Tb Phosphor for FED Applications. <i>Digest of Technical Papers SID International Symposium</i> , 2005 , 36, 594	0.5	8
257	42.3: Wavelength Tunable Emission from III-V Phosphors Excited by Electron Beams or UV Light for Display Applications. <i>Digest of Technical Papers SID International Symposium</i> , 2005 , 36, 1420	0.5	
256	Fine Control of the Dopant Level in Cubic Y ₂ O ₃ :Eu ³⁺ Phosphors. <i>Journal of the Electrochemical Society</i> , 2004 , 151, H66	3.9	20
255	Facile method of infilling photonic silica templates with rare earth element oxide phosphor precursors. <i>Journal of Materials Research</i> , 2004 , 19, 1656-1661	2.5	15
254	A study of the binding of the biologically important hematin molecule to a novel imidazole containing poly(N-isopropylacrylamide) microgel. <i>Reactive and Functional Polymers</i> , 2004 , 58, 165-173	4.6	17
253	Probes of structural and electronic environments of phosphor activators: Mössbauer and Raman spectroscopy. <i>Chemical Reviews</i> , 2004 , 104, 2833-55	68.1	34
252	A combination of both arginine- and lysine-specific gingipain activity of Porphyromonas gingivalis is necessary for the generation of the micro-oxo bishaem-containing pigment from haemoglobin. <i>Biochemical Journal</i> , 2004 , 379, 833-40	3.8	36
251	Photonic phosphors based on cubic Y ₂ O ₃ :Tb ³⁺ infilled into a synthetic opal lattice. <i>Journal of Optics</i> , 2003 , 5, S81-S85		23
250	Topotactic crystallisation of calcite under hydrothermal conditions. <i>Journal of Materials Science</i> , 2003 , 38, 2743-2746	4.3	3
249	Synthesis and X-ray Structures of Tin(IV) and Lead(II) Complexes with Heterocyclic Thiones. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 678-686	2.3	23
248	Raman spectra of carotenoids in natural products. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003 , 59, 2207-12	4.4	213
247	Yttrium Oxide Upconverting Phosphors. 5. Upconversion Luminescent Emission from Holmium-Doped Yttrium Oxide under 632.8 nm Light Excitation. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 9236-9242	3.4	15
246	Yttrium Oxide Upconverting Phosphors. Part 4: Upconversion Luminescent Emission from Thulium-Doped Yttrium Oxide under 632.8-nm Light Excitation. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 1548-1553	3.4	18

245	Transmissible Burkholderia cepacia genomovar IIIa strains bind and convert monomeric iron(III) protoporphyrin IX into the mu-oxo oligomeric form. <i>Microbiology (United Kingdom)</i> , 2003 , 149, 843-853	2.9	10
244	The haem pigment of the oral anaerobes Prevotella nigrescens and Prevotella intermedia is composed of iron(III) protoporphyrin IX in the monomeric form. <i>Microbiology (United Kingdom)</i> , 2003 , 149, 1711-1718	2.9	40
243	Cathodoluminescence studies of yttrium silicate:cerium phosphors synthesised by a sol-gel process. <i>Journal of Luminescence</i> , 2002 , 97, 229-236	3.8	62
242	High Pressure Mössbauer Spectroscopic Studies of Molecular Solids. The Importance of Free Space in Molecular Lattices. <i>Hyperfine Interactions</i> , 2002 , 141/142, 109-117	0.8	1
241	An Interesting Spin-State Transition for [Fe(PPIX)OH] Induced by High Pressure in a Diamond Anvil Cell. <i>Hyperfine Interactions</i> , 2002 , 144/145, 359-363	0.8	2
240	Synthesis and characterization of a new (phthalocyaninato)bis(carboxylate) silicon(IV) compound with increased solubility. <i>Journal of Porphyrins and Phthalocyanines</i> , 2002 , 06, 198-202	1.8	10
239	A Synthetic Method for the Production of a Range of Particle Sizes for Y ₂ O ₃ :Eu Phosphors Using a Copolymer Microgel of NIPAM and AMPS. <i>Journal of the Electrochemical Society</i> , 2002 , 149, H53	3.9	15
238	Luminescence in europium-doped titania: Part II. High concentration range of Eu ³⁺ . <i>Journal of Materials Research</i> , 2002 , 17, 2524-2531	2.5	13
237	Interactions of Porphyromonas gingivalis with oxyhaemoglobin and deoxyhaemoglobin. <i>Biochemical Journal</i> , 2002 , 362, 239-245	3.8	35
236	Rare-earth element anti-Stokes emission from three inverse photonic lattices. <i>Journal of Modern Optics</i> , 2002 , 49, 965-976	1.1	12
235	Interactions of Porphyromonas gingivalis with oxyhaemoglobin and deoxyhaemoglobin. <i>Biochemical Journal</i> , 2002 , 362, 239-45	3.8	25
234	On the Effect of Anode Material in Electrophoresis on the Emission Color of a Zinc Sulfide Phosphor. <i>Electrochemical and Solid-State Letters</i> , 2001 , 4, H12		9
233	Electrostatic field effects manifested in ferrocenyl metal complexes and the crystal structure of [Fe(η ⁵ -C ₅ H ₅)(η ⁵ -C ₅ H ₄ CH ₂ NNHC ₅ H ₄ N)]Cl. <i>Journal of Organometallic Chemistry</i> , 2001 , 637-639, 311-317	2.3	3
232	Synthesis and nonlinear optical properties of a range of 1-ferrocenyl(2-(4-alkyl)pyridiniumyl)ethylene iodides. <i>Journal of Organometallic Chemistry</i> , 2001 , 631, 59-66	2.3	19
231	Optical absorption in metal bisphthalocyanine sublimed films. <i>Vacuum</i> , 2001 , 61, 19-27	3.7	6
230	A high-yield microwave heating method for the preparation of (phthalocyaninato)bis(chloro)silicon(IV). <i>Journal of Porphyrins and Phthalocyanines</i> , 2001 , 05, 376-380	1.8	15
229	A New Application for Microgels: Novel Method for the Synthesis of Spherical Particles of the Y ₂ O ₃ :Eu Phosphor Using a Copolymer Microgel of NIPAM and Acrylic Acid. <i>Langmuir</i> , 2001 , 17, 7145-7149	4	123
228	A Method for the Clean Syntheses of Sulfides/Selenides II. Ternary Sulfides/Selenides. <i>Journal of the Electrochemical Society</i> , 2001 , 148, D89	3.9	17

227	The Effect of Particle Morphology and Crystallite Size on the Upconversion Luminescence Properties of Erbium and Ytterbium Co-doped Yttrium Oxide Phosphors. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 948-953	3.4	220
226	Up-conversion emission phosphors based on doped silica glass ceramics prepared by sol-gel methods: control of silica glass ceramics containing anatase and rutile crystallites. <i>Journal of Materials Chemistry</i> , 2001 , 11, 1447-1451		19
225	Yttrium Oxide Upconverting Phosphors. Part 2: Temperature Dependent Upconversion Luminescence Properties of Erbium in Yttrium Oxide. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 7200-7204	3.4	46
224	A Study of the Effects of Europium Doping and Calcination on the Luminescence of Titania Phosphor Materials. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 7170-7177	3.4	41
223	Novel seven coordination geometry of Sn(IV): crystal structures of phthalocyaninato bis(undecylcarboxylato)Sn(IV), its Si(IV) analogue, and phthalocyaninato bis(chloro)silicon(IV). The electrochemistry of the Si(IV) analogue and related compounds. <i>Inorganic Chemistry</i> , 2001 , 40, 5434-9	5.1	26
222	A Novel Method for the Synthesis of ZnS for Use in the Preparation of Phosphors for CRT Devices. <i>Journal of the Electrochemical Society</i> , 2001 , 148, H143	3.9	22
221	Yttrium Oxide Upconverting Phosphors. 3. Upconversion Luminescent Emission from Europium-Doped Yttrium Oxide under 632.8 nm Light Excitation. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 9107-9112	3.4	54
220	The periodontal pathogen <i>Porphyromonas gingivalis</i> harnesses the chemistry of the mu-oxo bishaem of iron protoporphyrin IX to protect against hydrogen peroxide. <i>FEMS Microbiology Letters</i> , 2000 , 183, 159-64	2.9	60
219	A Novel Method for the Preparation of Inorganic Sulfides and Selenides. I. Binary Materials and Group II-VI Phosphors. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 765	3.9	21
218	The Synthesis of Fine Particle Yttrium Vanadate Phosphors from Spherical Powder Precursors Using Urea Precipitation. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 3944	3.9	53
217	Crystal structure of bis(4-methylimidazole)tetraphenylporphyrinatoiron(III) chloride and related compounds. Correlation of ground state with Fe-N bond lengths. <i>Inorganic Chemistry</i> , 2000 , 39, 2874-81	5.1	20
216	Iron Compounds 2000 ,		6
215	Engineering phosphors for field emission displays. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1999 , 17, 750		137
214	Studies of the bonding in iron(II) cyclopentadienyl and arene sandwich compounds. Part 5. An interpretation of the ⁵⁷ Fe Mössbauer spectroscopic data of dibromoborylferrocenes, and related molecules. <i>Journal of Organometallic Chemistry</i> , 1999 , 590, 71-76	2.3	12
213	Facile Self-Assembly of Yttrium Oxide Europium Phosphor from Solution Using a Sacrificial Micellar Phase. <i>Electrochemical and Solid-State Letters</i> , 1999 , 2, 52		18
212	Effects of Temperature and Pressure on the Mössbauer Spectra of Models for the [4Fe-4S] ₂ ⁺ Clusters of Iron-Sulfur Proteins and the Structure of [PPh ₄] ₂ [Fe ₄ S ₄ (SCH ₂ CO ₂ C ₂ H ₅) ₄]. <i>Inorganic Chemistry</i> , 1999 , 38, 4256-4261	5.1	14
211	Control of Y ₂ O ₃ :Eu Spherical Particle Phosphor Size, Assembly Properties, and Performance for FED and HDTV. <i>Journal of the Electrochemical Society</i> , 1999 , 146, 4654-4658	3.9	168
210	Blue luminescence in yttrium and gadolinium niobates caused by bismuth. The importance of non-bonding ns ² valence orbital electrons. <i>Journal of Materials Chemistry</i> , 1999 , 9, 2913-2918		29

209	Danger of Poisoning by Stainless Steel Anodes Used for the Electrophoretic Deposition of Phosphors Composition of Screens as Monitored by Laser Raman Spectroscopy. <i>Electrochemical and Solid-State Letters</i> , 1999 , 2, 357			6
208	Synthesis of luminescent sol-gel materials for active electronic devices. <i>IET Circuits, Devices and Systems</i> , 1998 , 145, 364			
207	Structure, Electrochemistry, and Properties of Bis(ferrocenecarboxylato)(phthalocyaninato)silicon(IV) and Its Implications for (Si(PcO)(n)) Polymer Chemistry. <i>Inorganic Chemistry</i> , 1998 , 37, 411-417	5.1		45
206	The periodontopathogen <i>Porphyromonas gingivalis</i> binds iron protoporphyrin IX in the mu-oxo dimeric form: an oxidative buffer and possible pathogenic mechanism. <i>Biochemical Journal</i> , 1998 , 331 (Pt 3), 681-5	3.8		106
205	Effect of sterically inhibited axial azaferrocene ligands on the physical properties of iron(III) porphyrins. Crystal structures of bis(azaferrocene) complexes of iron(III) and cobalt(III) porphyrinates. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997 , 47-54			7
204	Cramping a Molecular Rollerball. Investigation of the Effect of Pressure on the Mössbauer Spectra of Three Cyclopentadienyl(arene)iron(II) Salts. <i>Inorganic Chemistry</i> , 1997 , 36, 4017-4023	5.1		2
203	Low-Coordinate Homoleptic Iron(II) Thiolates Revisited. <i>Inorganic Chemistry</i> , 1997 , 36, 747-748	5.1		29
202	Development of wavelength selective shutters for device application for filters and smart windows. <i>IET Circuits, Devices and Systems</i> , 1997 , 144, 123			1
201	⁵⁷ Fe Mössbauer spectroscopic studies on M(CO) ₅ (azaferrocene) complexes (M = Cr, Mo, W). The crystal structures of W(CO) ₅ (azaferrocene) and W(CO) ₅ (2,5-dimethylazaferrocene). <i>Journal of Organometallic Chemistry</i> , 1997 , 540, 169-174	2.3		18
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