

Jack Silver

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#	Paper	IF	Citations
334	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
333	Raman spectra of carotenoids in natural products. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003 , 59, 2207-12	4.4	213
332	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
331	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
330	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
329	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
328	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
327	The competition between enterobactin and glutathione for iron. <i>Inorganica Chimica Acta</i> , 1982 , 66, 13-18.	7	89
326	Mössbauer studies on protoporphyrin IX iron(III) solutions. <i>Inorganica Chimica Acta</i> , 1983 , 78, 219-224	2.7	77
325	Molecular materials containig donor and acceptor groups. Synthesis, structure and spectroscopic properties of ferrocenyl Schiff bases. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992 , 2235		72
324	Model compounds for microbial iron-transport compounds. Part 1. Solution chemistry and Mössbauer study of iron(II) and iron(III) complexes from phenolic and catecholic systems. <i>Journal of the Chemical Society Dalton Transactions</i> , 1981 , 609-622		70
323	Studies on the anti-tumour activity of some iron sandwich compounds. <i>Journal of Organometallic Chemistry</i> , 1991 , 418, 107-112	2.3	66
322	The iron environment in heme and heme-antimalarial complexes of pharmacological interest. <i>Journal of Inorganic Biochemistry</i> , 1996 , 63, 69-77	4.2	64
321	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
320	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
319	Electrochromism in ytterbium bisphthalocyanine-(stearic acid or cadmium stearate) films deposited by the Langmuir-Blodgett technique. <i>Thin Solid Films</i> , 1989 , 179, 387-395	2.2	55
318	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

317	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
316	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
315	Molecular materials for non-linear optics. Second harmonic generation and the crystal and molecular structure of the 4-nitrophenylimine of ferrocenecarboxaldehyde. <i>Inorganica Chimica Acta</i> , 1993 , 205, 67-70	2.7	46
314	Structure, Electrochemistry, and Properties of Bis(ferrocenecarboxylato)(phthalocyaninato)silicon(IV) and Its Implications for (Si(Pc)O)(n) Polymer Chemistry. <i>Inorganic Chemistry</i> , 1998 , 37, 411-417	5.1	45
313	Mössbauer studies on ferrocene complexes IX. Phosphaferrocenes and their protonated derivatives. <i>Journal of Organometallic Chemistry</i> , 1983 , 256, 103-110	2.3	45
312	Studies of the reactions of ferric iron with glutathione and some related thiols. <i>Inorganica Chimica Acta</i> , 1983 , 78, 1-11	2.7	45
311	Mössbauer studies on ferrocene complexes. <i>Journal of Organometallic Chemistry</i> , 1984 , 263, 235-241	2.3	45
310	Effects of the host lattice and doping concentration on the colour of Tb ³⁺ cation emission in Y ₂ O ₃ :Tb ³⁺ and Gd ₂ O ₃ :Tb ³⁺ nanometer sized phosphor particles. <i>Nanoscale</i> , 2013 , 5, 8640-6	7.7	43
309	Measurement of the rate of uptake and subcellular localization of porphyrins in cells using fluorescence digital imaging microscopy. <i>Photochemistry and Photobiology</i> , 1994 , 59, 419-22	3.6	42
308	Complexes of functionalised phosphine ligands. Part 1. Complexes of Fe ^{III} , Co ^{III} , Ni ^{II} and Re ^V with tridentate Schiff bases having PNO, NNO and NNS donor sets. Crystal structures of 2-(Ph ₂ PC ₆ H ₄ NCH) ₂ C ₆ H ₄ OH and [Co{2-(Ph ₂ PC ₆ H ₄ CHN) ₂ C ₆ H ₄ O ₂ }] ₂ [PF ₆]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991 , 2553-2563		42
307	A potential iron pharmaceutical composition for the treatment of iron-deficiency anaemia. The crystal and molecular structure of mer-tris-(3-hydroxy-2-methyl-4H-pyran-4-onato)iron(III). <i>Journal of the Chemical Society Dalton Transactions</i> , 1988 , 1159		42
306	Mössbauer studies on protoporphyrin IX iron(II) solutions. <i>Inorganica Chimica Acta</i> , 1983 , 80, 107-113	2.7	42
305	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
304	Subvalent Group 4B metal alkyls and amides. Part III Mössbauer spectroscopy studies of bis[bis(trimethylsilyl)methyl]tin(II) and its derivatives. <i>Journal of the Chemical Society Dalton Transactions</i> , 1976 , 2286-2290		41
303	The haem pigment of the oral anaerobes <i>Prevotella nigrescens</i> and <i>Prevotella intermedia</i> is composed of iron(III) protoporphyrin IX in the monomeric form. <i>Microbiology (United Kingdom)</i> , 2003 , 149, 1711-1718	2.9	40
302	The chemical mechanism of beta-haematin formation studied by Mössbauer spectroscopy. <i>Biochemical Journal</i> , 1996 , 318 (Pt 1), 25-7	3.8	37
301	On the preparation and Mössbauer properties of some heme peptides of cytochrome c. <i>Journal of Inorganic Biochemistry</i> , 1983 , 19, 165-178	4.2	37
300	Solid-state properties of materials of the type Cs ₄ MX ₆ (where M = Sn or Pb and X = Cl or Br). <i>Journal of the Chemical Society Dalton Transactions</i> , 1983 , 767		37

299	Mössbauer studies on protoporphyrin IX iron(II) frozen solutions containing ligands that cause the iron to be in a five coordinate high spin iron(II) environment. <i>Inorganica Chimica Acta</i> , 1984 , 91, 125-128	2.7	37
298	A combination of both arginine- and lysine-specific gingipain activity of <i>Porphyromonas gingivalis</i> is necessary for the generation of the micro-oxo heme-containing pigment from haemoglobin. <i>Biochemical Journal</i> , 2004 , 379, 833-40	3.8	36
297	Model compounds for microbial iron-transport compounds. Part IV. Further solution chemistry and Mössbauer studies on iron(II) and iron(III) catechol complexes. <i>Inorganica Chimica Acta</i> , 1983 , 80, 51-56	2.7	36
296	Evidence of iron-mercury bonds in complexes of ferrocene with mercuric chloride from Mössbauer spectroscopy. <i>Journal of Organometallic Chemistry</i> , 1981 , 209, 385-391	2.3	36
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294	Mössbauer studies on ferrocene complexes. <i>Journal of Organometallic Chemistry</i> , 1989 , 364, 381-389	2.3	35
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292	Probes of structural and electronic environments of phosphor activators: Mössbauer and Raman spectroscopy. <i>Chemical Reviews</i> , 2004 , 104, 2833-55	68.1	34
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286	Studies on the reactions of ferric iron with glutathione and some related thiols. Part III. A study of the iron catalyzed oxidation of glutathione by molecular oxygen. <i>Inorganica Chimica Acta</i> , 1983 , 80, 237-244	2.7	33
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282	A systematic investigation of the Mössbauer parameters of some intermetallic compounds and electroplated alloys of tin. <i>Journal of Materials Science</i> , 1976 , 11, 836-842	4.3	32

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- 247 Fine Control of the Dopant Level in Cubic Y₂O₃:Eu³⁺ Phosphors. *Journal of the Electrochemical Society*, **2004**, 151, H66 3.9 20
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244	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
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241	Electrochromism in titanyl and vanadyl phthalocyanine thin films. <i>Journal of Materials Chemistry</i> , 1991 , 1, 881		19
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239	Complexes of diphosphaferrocenes with Lewis acids and Cu(I), Ag(I) salts. <i>Inorganica Chimica Acta</i> , 1986 , 119, 165-169	2.7	19
238	Studies on metal-protoporphyrin iron(III) complexes. <i>Inorganica Chimica Acta</i> , 1983 , 78, 205-210	2.7	19
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236	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
235	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
234	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
233	Mössbauer studies on ferrocene complexes. <i>Journal of Organometallic Chemistry</i> , 1983 , 243, 461-467	2.3	18
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- 224 Lattice effects in the Mössbauer spectra of salts of $[\text{Fe}_4\text{S}_4(\text{SBut})_4]^{2-}$ Crystal structures of $[\text{NMe}_4]_2[\text{Fe}_4\text{S}_4(\text{SBut})_4]\cdot\text{HSBut}$ and $[\text{N}(\text{n-C}_5\text{H}_{11})_4]_2[\text{Fe}_4\text{S}_4(\text{SBut})_4]\cdot\text{HSBut}$. *Journal of the Chemical Society Dalton Transactions*, **1990**, 2735-2741 17
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208	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
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