Zoe Pikramenou

List of Publications by Year
in descending order

90	3,336	182225 30	169272 56
papers	citations	h-index	g-index

94	94	94	4626
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly Luminescent, Triple- and Quadruple-Stranded, Dinuclear Eu, Nd, and Sm(III) Lanthanide Complexes Based on Bis-Diketonate Ligands. Journal of the American Chemical Society, 2004, 126, 9413-9424.	6.6	339
2	Red and blue luminescent metallo-supramolecular coordination polymers assembled through Ï€â€“Ï€ interactionsâ€Šâ€. Dalton Transactions RSC, 2000, , 1447-1462.	2.3	200
3	Hairpin-Shaped Heterometallic Luminescent Lanthanide Complexes for DNA Intercalative Recognition. Journal of the American Chemical Society, 2003, 125, 9918-9919.	6.6	194
4	Fully Fluorinated Imidodiphosphinate Shells for Visible- and NIR-Emitting Lanthanides: Hitherto Unexpected Effects of Sensitizer Fluorination on Lanthanide Emission Properties. Chemistry - A European Journal, 2007, 13, 6308-6320.	1.7	157
5	Luminescent nanobeads: attachment of surface reactive Eu(iii) complexes to gold nanoparticles. Chemical Communications, 2006, , 1433.	2.2	126
6	Hyper-Rayleigh scattering investigation of nitrobenzyl pyridine model compounds for optical modulation of the hyperpolarisability. Chemical Physics Letters, 1996, 258, 485-489.	1.2	116
7	Photoactive metallocyclodextrins: sophisticated supramolecular arrays for the construction of light activated miniature devices. Chemical Society Reviews, 2005, 34, 120.	18.7	105
8	Purely Heterometallic Lanthanide(III) Macrocycles through Controlled Assembly of Disulfide Bonds for Dual Color Emission. Journal of the American Chemical Society, 2011, 133, 1033-1043.	6.6	103
9	Dimensional reduction in IIâ€VI materials: A₂Cd₃Q₄ (A = K, Q = S, Se,) Tj ETQq1 1 0.784314 rgB incorporation of A₂Q in CdQ. Chemistry - A European Journal, 1996, 2, 656-666.	1.7	99
10	Assembly of Hydrophobic Shells and Shields around Lanthanides. Chemistry - A European Journal, 2002, 8, 5761-5771.	1.7	93
11	Platelet actin nodules are podosome-like structures dependent on Wiskottâ€“Aldrich syndrome protein and ARP2/3 complex. Nature Communications, 2015, 6, 7254.	5.8	86
12	Long-Lived Near-Infrared Luminescent Lanthanide Complexes of Imidodiphosphinate â€œShellâ€•Ligands. Inorganic Chemistry, 2005, 44, 6140-6142.	1.9	82
13	pH-controlled delivery of luminescent europium coated nanoparticles into platelets. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1862-1867.	3.3	78
14	Imidodiphosphinate ligands as antenna units in luminescent lanthanide complexes. Chemical Communications, 1999, , 61-62.	2.2	69
15	Luminescent supramolecular architectures: a cyclodextrin modified with a europium(III) crown swing. Inorganic Chemistry, 1992, 31, 532-536.	1.9	64
16	Vectorial Control of Energy-Transfer Processes in Metallocyclodextrin Heterometallic Assemblies. Angewandte Chemie - International Edition, 2003, 42, 1830-1833.	7.2	57
17	Metallocyclodextrins as Building Blocks in Noncovalent Assemblies of Photoactive Units for the Study of Photoinduced Intercomponent Processes. Inorganic Chemistry, 2001, 40, 3912-3921.	1.9	55
18	De Novo Design of Ln(III) Coiled Coils for Imaging Applications. Journal of the American Chemical Society, 2014, 136, 1166-1169.	6.6	55

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19	Diastereoselective formation of luminescent dinuclear lanthanide(iii) helicates with enantiomerically pure tartaric acid derived bis(Î²-diketonate) ligands. New Journal of Chemistry, 2007, 31, 1755.	1.4	51
20	Immobilization of Ï€-Assembled Metallo-Supramolecular Arrays in Thin Films: From Crystal-Engineered Structures to Processable Materials. Angewandte Chemie - International Edition, 2001, 40, 3862-3865.	7.2	50
21	A Unidirectional Energy Transfer Cascade Process in a Ruthenium Junction Self-Assembled by Î±- and Î²-Cyclodextrins. Journal of the American Chemical Society, 2006, 128, 4520-4521.	6.6	48
22	Potassium cadmium sulfide (K2Cd2S3) vs. calcium sulfide (CdS): can the properties of quantum-sized CdQ semiconductors be emulated by bulk alkali-metal ternary A/Cd/Q phases (Q = chalcogen)?. Journal of the American Chemical Society, 1993, 115, 12191-12192.	6.6	47
23	High coating of Ru(<scp>ii</scp>) complexes on gold nanoparticles for single particle luminescence imaging in cells. Chemical Communications, 2014, 50, 617-619.	2.2	46
24	Luminescence from supramolecules triggered by the molecular recognition of substrates. Coordination Chemistry Reviews, 1994, 132, 181-194.	9.5	43
25	Iridium Nanoparticles for Multichannel Luminescence Lifetime Imaging, Mapping Localization in Live Cancer Cells. Journal of the American Chemical Society, 2018, 140, 10242-10249.	6.6	41
26	Lanthanide-coated gold nanoparticles for biomedical applications. Coordination Chemistry Reviews, 2014, 273-274, 213-225.	9.5	36
27	Intracellular synchrotron nanoimaging and DNA damage/genotoxicity screening of novel lanthanide-coated nanovectors. Nanomedicine, 2010, 5, 1547-1557.	1.7	35
28	Fluorescent Block Copolymer Micelles That Can Self-Report on Their Assembly and Small Molecule Encapsulation. Macromolecules, 2016, 49, 653-662.	2.2	35
29	Spray-deposited PbS colloidal quantum dot solid for near-infrared photodetectors. Nano Energy, 2020, 78, 105254.	8.2	35
30	Photochromism and Thermochromism Driven by Intramolecular Proton Transfer in Dinitrobenzylpyridine Compounds. The Journal of Physical Chemistry, 1996, 100, 19315-19320.	2.9	34
31	Acetylenic cyclodextrins for multireceptor architectures: cups with sticky ends for the formation of extension wires and junctions. Organic and Biomolecular Chemistry, 2005, 3, 4239.	1.5	31
32	Evaluation of quinoline as a remote sensitiser for red and near-infrared emissive lanthanide(iii) ions in solution and the solid state. Dalton Transactions, 2012, 41, 13138.	1.6	31
33	Adsorption Dynamics and Electrochemical and Photophysical Properties of Thiolated Ruthenium 2,2â€˜-Bipyridine Monolayers. Journal of Physical Chemistry B, 2006, 110, 10063-10069.	1.2	30
34	Synthesis of a cradle cyclodextrin. Tetrahedron Letters, 1993, 34, 3531-3534.	0.7	29
35	Functional Supramolecular Ruthenium Cyclodextrin Dyes for Nanocrystalline Solar Cells. Advanced Functional Materials, 2007, 17, 54-58.	7.8	29
36	Imidodiphosphonate Ligands for Enhanced Sensitization and Shielding of Visible and Near-Infrared Lanthanides. Inorganic Chemistry, 2019, 58, 13268-13275.	1.9	29

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37	Photoactive ruthenium(ii) cyclodextrins responsive to guest binding. Chemical Communications, 1998, , 1473-1474.	2.2	26
38	Crown ether lanthanide complexes as building blocks for luminescent ternary complexes. Polyhedron, 2003, 22, 745-754.	1.0	26
39	Application of ex situ dynamic nuclear polarization in studying small molecules. Physical Chemistry Chemical Physics, 2010, 12, 5868.	1.3	26
40	An efficient synthesis of versatile terpyridine analogues for cyclometallated luminescent cyclodextrins. Tetrahedron Letters, 1999, 40, 6865-6868.	0.7	25
41	Metal Assembly of Cyclodextrin Recognition Sites. European Journal of Inorganic Chemistry, 2001, 2001, 189-194.	1.0	25
42	Far-red luminescent ruthenium pyridylimine complexes; building blocks for multinuclear arrays. Dalton Transactions, 2006, , 3025.	1.6	24
43	Alginate-based microparticles coated with HPMCP/AS cellulose-derivatives enable the Ctx(Ile21)-Ha antimicrobial peptide application as a feed additive. International Journal of Biological Macromolecules, 2021, 183, 1236-1247.	3.6	21
44	Alginate-Iron Speciation and Its Effect on In Vitro Cellular Iron Metabolism. PLoS ONE, 2015, 10, e0138240.	1.1	21
45	Peptide coated gold nanoparticles that bind lanthanide ions. Chemical Communications, 2011, 47, 6431.	2.2	20
46	Polyethylene glycol assisted facile sol-gel synthesis of lanthanum oxide nanoparticles: Structural characterizations and photoluminescence studies. Ceramics International, 2019, 45, 424-431.	2.3	20
47	Silica Nanoparticles for Micro-Particle Imaging Velocimetry: Fluorosurfactant Improves Nanoparticle Stability and Brightness of Immobilized Iridium(III) Complexes. Langmuir, 2013, 29, 14701-14708.	1.6	18
48	Assisted delivery of anti-tumour platinum drugs using DNA-coiling gold nanoparticles bearing lumophores and intercalators: towards a new generation of multimodal nanocarriers with enhanced action. Chemical Science, 2019, 10, 9244-9256.	3.7	17
49	Ruthenium and Osmium Podate Cyclodextrins with Dual-function Recognition Sites for Luminescent Sensing. Supramolecular Chemistry, 2003, 15, 563-571.	1.5	16
50	Measurement of Parts per Million Level Gaseous Concentration of Hydrogen Sulfide by Ultraviolet Spectroscopy using 1,1,1,5,5,5-Hexafluoropentan-2,4-dione as a Derivative by Reaction of Cu(hfac)(1,5-Cyclooctadiene). Analytical Chemistry, 2009, 81, 3669-3675.	3.2	16
51	Controlled assembly of luminescent racks based on heteroleptic dinuclear lanthanide complexes. Chemical Communications, 2004, , 2832-2833.	2.2	15
52	Surface-Immobilized Pyridine-Functionalized Î³-Cyclodextrin:Â Alkanethiol Co-adsorption-Induced Reorientation. Langmuir, 2007, 23, 6997-7002.	1.6	15
53	Highly luminescent gold nanoparticles: effect of ruthenium distance for nanoprobes with enhanced lifetimes. Faraday Discussions, 2015, 185, 219-231.	1.6	13
54	Cost-Efficient Printing of Graphene Nanostructures on Smart Contact Lenses. ACS Applied Materials & Interfaces, 2020, 12, 10820-10828.	4.0	13

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55	Quantification by Luminescence Tracking of Red Emissive Gold Nanoparticles in Cells. Jacs Au, 2021, 1, 174-186.	3.6	13
56	Photoinduced energy transfer across non-covalent bonds in the nanoscale: cyclodextrin hosts with enhanced luminescent properties for guest communication. Dalton Transactions, 2009, , 3980.	1.6	12
57	Luminescent Gold Surfaces for Sensing and Imaging: Patterning of Transition Metal Probes. ACS Applied Materials & Interfaces, 2014, 6, 11598-11608.	4.0	12
58	Tailoring iridium luminescence and gold nanoparticle size for imaging of microvascular blood flow. Nanomedicine, 2017, 12, 2725-2740.	1.7	12
59	Strong Coupling and Slow Relaxation of the Magnetization for an Air-Stable [Co4] Square with Both Tetrazine Radicals and Azido Bridges. Inorganic Chemistry, 2021, 60, 3651-3656.	1.9	12
60	Adsorption dynamics and interfacial properties of thiol-based cobalt terpyridine monolayers. Electrochimica Acta, 2007, 52, 6692-6699.	2.6	11
61	Improved Ink-Jet-Printed CdSe Quantum Dot Light-Emitting Diodes with Minimized Hole Transport Layer Erosion. ACS Applied Electronic Materials, 2021, 3, 3005-3014.	2.0	11
62	Surface-Active Mononuclear and Dinuclear Ru(II) Complexes based on Thio-substituted Terpyridines Bearing Cyclodextrin Recognition Units. Supramolecular Chemistry, 2007, 19, 115-127.	1.5	9
63	Up-Conversion Device Based on Quantum Dots With High-Conversion Efficiency Over 6%. IEEE Access, 2020, 8, 71041-71049.	2.6	9
64	Luminescence Screening Assays for the Identification of Sensitizers for Lanthanides Based on the Controlled Formation of Ternary Lanthanide Complexes with DTPAâ€“Bisamide Ligands. Chemistry - an Asian Journal, 2010, 5, 571-580.	1.7	8
65	Two azido-bridged [2Ã—2] cobalt(<scp>ii</scp>) grids featuring single-molecule magnet behaviour. Dalton Transactions, 2020, 49, 9218-9222.	1.6	8
66	Photoâ€•and Electrochemical Dualâ€Responsive Iridium Probe for Saccharide Detection. Chemistry - A European Journal, 2022, 28, e202103541.	1.7	8
67	Yttrium 1996. Coordination Chemistry Reviews, 1998, 172, 99-110.	9.5	7
68	Controlled assembly of heterometallic lanthanide(III) macrocycles: incorporation of photoactive and highly paramagnetic metal centres within a single complex. Supramolecular Chemistry, 2012, 24, 135-142.	1.5	7
69	Accessible Synthetic Probes for Staining Actin inside Platelets and Megakaryocytes by Employing Lifeact Peptide. ChemBioChem, 2015, 16, 1680-1688.	1.3	7
70	Converting Capsules to Sensors for Nondestructive Analysis: From Cargo-Responsive Self-Sensing to Functional Characterization. ACS Applied Materials & Interfaces, 2019, 11, 8693-8698.	4.0	7
71	Yttrium 1995. Coordination Chemistry Reviews, 1997, 164, 189-201.	9.5	6
72	A Luminescent One-Dimensional Copper(I) Polymer. Journal of Cluster Science, 2000, 11, 227-232.	1.7	6

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73	Luminescent ruthenium(II) tris-bipyridyl complex caged in nanoscale silica for particle velocimetry studies in microchannels. Measurement Science and Technology, 2012, 23, 084004.	1.4	6
74	An azido-bridged [FeII4] grid-like molecule showing spin crossover behaviour. Dalton Transactions, 2021, 50, 14303-14308.	1.6	5
75	A luminescent europium hairpin for DNA photosensing in the visible, based on trimetallic bis-intercalators. Journal of Inorganic Biochemistry, 2020, 209, 111119.	1.5	5
76	Pulsed electrical discharge synthesis of red photoluminescence zinc oxide nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	4
77	The deposition and imaging of silica sub-micron particles in dentine. Journal of Dentistry, 2015, 43, 1242-1248.	1.7	4
78	Penetration of sub-micron particles into dentinal tubules using ultrasonic cavitation. Journal of Dentistry, 2017, 56, 112-120.	1.7	4
79	Surfactantâ€Enhanced Luminescence Lifetime for Biomolecular Detection on Luminescent Gold Surfaces Decorated with Transition Metal Complexes. ChemistrySelect, 2018, 3, 3251-3257.	0.7	4
80	Fully Fluorinated Imidodiphosphinate Shells for Visible- and NIR-Emitting Lanthanides: Hitherto Unexpected Effects of Sensitizer Fluorination on Lanthanide Emission Properties. Chemistry - A European Journal, 2007, 13, 6286-6286.	1.7	2
81	Molecular nanodevices based on functionalized cyclodextrins. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 2532-2535.	0.8	2
82	Luminescence sensing and imaging: general discussion. Faraday Discussions, 2015, 185, 311-335.	1.6	2
83	Self-organization of photo-active nanostructures: general discussion. Faraday Discussions, 2015, 185, 529-548.	1.6	2
84	Chemosensing of Monocyclic and Bicyclic Aromatic Hydrocarbons by Supramolecular Active Sites. , 1997, , 159-176.		2
85	Immobilization of pi-Assembled Metallo Supramolecular Arrays in Thin Films: From Crystal Engineered Structures to Processable Materials We thank the Deutsche Forschungsgemeinschaft (H.K.), the Leverhulme Trust (J.M.H.), EPSRC (P.R.B), and the British-German Academic Research Collaboration Programme (British Council/DAAD) for financial support of this research, the Swansea EPSRC National Mass Spectrometry Service Centre for recording the mass spectra, and Professor H. MA¶hwald for valuable discussions. Angewandte Chemie - International Edition, 2001, 40, 3862-3865.	7.2	1
86	Photoactive Metallocyclodextrins: Sophisticated Supramolecular Arrays for the Construction of Light Activated Miniature Devices. ChemInform, 2005, 36, no.	0.1	0
87	Electronic transport between Au surface and scanning tunnelling microscope tip via a multipodal cyclodextrin hostâ€“metalloâ€guest supramolecular system. Journal of Physical Organic Chemistry, 2012, 25, 198-206.	0.9	0
88	Other Nanoparticles: general discussion. Faraday Discussions, 2014, 175, 289-303.	1.6	0
89	Optical nanoparticles: general discussion. Faraday Discussions, 2014, 175, 215-227.	1.6	0
90	722: Iron chelation by biopolymers for an anti-cancer therapy; binding up the 'ferrotoxicity' in the colon. European Journal of Cancer, 2014, 50, S173.	1.3	0