

Zoe Pikramenou

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

3,336
citations

182225

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169272

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all docs

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docs citations

94
times ranked

4626
citing authors

#	ARTICLE	IF	CITATIONS
1	Photo- and Electrochemical Dual-Responsive Iridium Probe for Saccharide Detection. <i>Chemistry - A European Journal</i> , 2022, 28, e202103541.	1.7	8
2	An azido-bridged [Fe ₄] grid-like molecule showing spin crossover behaviour. <i>Dalton Transactions</i> , 2021, 50, 14303-14308.	1.6	5
3	Quantification by Luminescence Tracking of Red Emissive Gold Nanoparticles in Cells. <i>Jacs Au</i> , 2021, 1, 174-186.	3.6	13
4	Strong Coupling and Slow Relaxation of the Magnetization for an Air-Stable [Co ₄] Square with Both Tetrazine Radicals and Azido Bridges. <i>Inorganic Chemistry</i> , 2021, 60, 3651-3656.	1.9	12
5	Improved Ink-Jet-Printed CdSe Quantum Dot Light-Emitting Diodes with Minimized Hole Transport Layer Erosion. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3005-3014.	2.0	11
6	Alginate-based microparticles coated with HPMCP/AS cellulose-derivatives enable the Ctx(Ile21)-Ha antimicrobial peptide application as a feed additive. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1236-1247.	3.6	21
7	Spray-deposited PbS colloidal quantum dot solid for near-infrared photodetectors. <i>Nano Energy</i> , 2020, 78, 105254.	8.2	35
8	Two azido-bridged [2D-2] cobalt(<i>scp</i>) grids featuring single-molecule magnet behaviour. <i>Dalton Transactions</i> , 2020, 49, 9218-9222.	1.6	8
9	Cost-Efficient Printing of Graphene Nanostructures on Smart Contact Lenses. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10820-10828.	4.0	13
10	Up-Conversion Device Based on Quantum Dots With High-Conversion Efficiency Over 6%. <i>IEEE Access</i> , 2020, 8, 71041-71049.	2.6	9
11	A luminescent europium hairpin for DNA photosensing in the visible, based on trimetallic bis-intercalators. <i>Journal of Inorganic Biochemistry</i> , 2020, 209, 111119.	1.5	5
12	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. <i>Chemical Science</i> , 2019, 10, 9244-9256.	3.7	17
13	Imidodiphosphonate Ligands for Enhanced Sensitization and Shielding of Visible and Near-Infrared Lanthanides. <i>Inorganic Chemistry</i> , 2019, 58, 13268-13275.	1.9	29
14	Converting Capsules to Sensors for Nondestructive Analysis: From Cargo-Responsive Self-Sensing to Functional Characterization. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8693-8698.	4.0	7
15	Polyethylene glycol assisted facile sol-gel synthesis of lanthanum oxide nanoparticles: Structural characterizations and photoluminescence studies. <i>Ceramics International</i> , 2019, 45, 424-431.	2.3	20
16	Surfactant-Enhanced Luminescence Lifetime for Biomolecular Detection on Luminescent Gold Surfaces Decorated with Transition Metal Complexes. <i>ChemistrySelect</i> , 2018, 3, 3251-3257.	0.7	4
17	Iridium Nanoparticles for Multichannel Luminescence Lifetime Imaging, Mapping Localization in Live Cancer Cells. <i>Journal of the American Chemical Society</i> , 2018, 140, 10242-10249.	6.6	41
18	Penetration of sub-micron particles into dentinal tubules using ultrasonic cavitation. <i>Journal of Dentistry</i> , 2017, 56, 112-120.	1.7	4

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19	Tailoring iridium luminescence and gold nanoparticle size for imaging of microvascular blood flow. <i>Nanomedicine</i> , 2017, 12, 2725-2740.	1.7	12
20	Fluorescent Block Copolymer Micelles That Can Self-Report on Their Assembly and Small Molecule Encapsulation. <i>Macromolecules</i> , 2016, 49, 653-662.	2.2	35
21	Accessible Synthetic Probes for Staining Actin inside Platelets and Megakaryocytes by Employing Lifeact Peptide. <i>ChemBioChem</i> , 2015, 16, 1680-1688.	1.3	7
22	Platelet actin nodules are podosome-like structures dependent on Wiskottâ€Aldrich syndrome protein and ARP2/3 complex. <i>Nature Communications</i> , 2015, 6, 7254.	5.8	86
23	Highly luminescent gold nanoparticles: effect of ruthenium distance for nanoprobe with enhanced lifetimes. <i>Faraday Discussions</i> , 2015, 185, 219-231.	1.6	13
24	The deposition and imaging of silica sub-micron particles in dentine. <i>Journal of Dentistry</i> , 2015, 43, 1242-1248.	1.7	4
25	Luminescence sensing and imaging: general discussion. <i>Faraday Discussions</i> , 2015, 185, 311-335.	1.6	2
26	Self-organization of photo-active nanostructures: general discussion. <i>Faraday Discussions</i> , 2015, 185, 529-548.	1.6	2
27	Alginate-Iron Speciation and Its Effect on In Vitro Cellular Iron Metabolism. <i>PLoS ONE</i> , 2015, 10, e0138240.	1.1	21
28	Other Nanoparticles: general discussion. <i>Faraday Discussions</i> , 2014, 175, 289-303.	1.6	0
29	Optical nanoparticles: general discussion. <i>Faraday Discussions</i> , 2014, 175, 215-227.	1.6	0
30	Lanthanide-coated gold nanoparticles for biomedical applications. <i>Coordination Chemistry Reviews</i> , 2014, 273-274, 213-225.	9.5	36
31	High coating of Ru(II) complexes on gold nanoparticles for single particle luminescence imaging in cells. <i>Chemical Communications</i> , 2014, 50, 617-619.	2.2	46
32	De Novo Design of Ln(III) Coiled Coils for Imaging Applications. <i>Journal of the American Chemical Society</i> , 2014, 136, 1166-1169.	6.6	55
33	722: Iron chelation by biopolymers for an anti-cancer therapy; binding up the 'ferrotoxicity' in the colon. <i>European Journal of Cancer</i> , 2014, 50, S173.	1.3	0
34	Pulsed electrical discharge synthesis of red photoluminescence zinc oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	4
35	Luminescent Gold Surfaces for Sensing and Imaging: Patterning of Transition Metal Probes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11598-11608.	4.0	12
36	Silica Nanoparticles for Micro-Particle Imaging Velocimetry: Fluorosurfactant Improves Nanoparticle Stability and Brightness of Immobilized Iridium(III) Complexes. <i>Langmuir</i> , 2013, 29, 14701-14708.	1.6	18

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37	Luminescent ruthenium(II) tris-bipyridyl complex caged in nanoscale silica for particle velocimetry studies in microchannels. <i>Measurement Science and Technology</i> , 2012, 23, 084004.	1.4	6
38	Evaluation of quinoline as a remote sensitizer for red and near-infrared emissive lanthanide(III) ions in solution and the solid state. <i>Dalton Transactions</i> , 2012, 41, 13138.	1.6	31
39	pH-controlled delivery of luminescent europium coated nanoparticles into platelets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1862-1867.	3.3	78
40	Controlled assembly of heterometallic lanthanide(III) macrocycles: incorporation of photoactive and highly paramagnetic metal centres within a single complex. <i>Supramolecular Chemistry</i> , 2012, 24, 135-142.	1.5	7
41	Electronic transport between Au surface and scanning tunnelling microscope tip via a multipodal cyclodextrin host-guest supramolecular system. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 198-206.	0.9	0
42	Peptide coated gold nanoparticles that bind lanthanide ions. <i>Chemical Communications</i> , 2011, 47, 6431.	2.2	20
43	Purely Heterometallic Lanthanide(III) Macrocycles through Controlled Assembly of Disulfide Bonds for Dual Color Emission. <i>Journal of the American Chemical Society</i> , 2011, 133, 1033-1043.	6.6	103
44	Luminescence Screening Assays for the Identification of Sensitizers for Lanthanides Based on the Controlled Formation of Ternary Lanthanide Complexes with DTPA-Bisamide Ligands. <i>Chemistry - an Asian Journal</i> , 2010, 5, 571-580.	1.7	8
45	Intracellular synchrotron nanoimaging and DNA damage/genotoxicity screening of novel lanthanide-coated nanovectors. <i>Nanomedicine</i> , 2010, 5, 1547-1557.	1.7	35
46	Application of ex situ dynamic nuclear polarization in studying small molecules. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5868.	1.3	26
47	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). <i>Analytical Chemistry</i> , 2009, 81, 3669-3675.	3.2	16
48	Photoinduced energy transfer across non-covalent bonds in the nanoscale: cyclodextrin hosts with enhanced luminescent properties for guest communication. <i>Dalton Transactions</i> , 2009, , 3980.	1.6	12
49	Molecular nanodevices based on functionalized cyclodextrins. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 2532-2535.	0.8	2
50	Surface-Active Mononuclear and Dinuclear Ru(II) Complexes based on Thio-substituted Terpyridines Bearing Cyclodextrin Recognition Units. <i>Supramolecular Chemistry</i> , 2007, 19, 115-127.	1.5	9
51	Diastereoselective formation of luminescent dinuclear lanthanide(III) helicates with enantiomerically pure tartaric acid derived bis(β -diketonate) ligands. <i>New Journal of Chemistry</i> , 2007, 31, 1755.	1.4	51
52	Surface-Immobilized Pyridine-Functionalized β -Cyclodextrin: Alkanethiol Co-adsorption-Induced Reorientation. <i>Langmuir</i> , 2007, 23, 6997-7002.	1.6	15
53	Fully Fluorinated Imidodiphosphate Shells for Visible- and NIR-Emitting Lanthanides: Hitherto Unexpected Effects of Sensitizer Fluorination on Lanthanide Emission Properties. <i>Chemistry - A European Journal</i> , 2007, 13, 6308-6320.	1.7	157
54	Fully Fluorinated Imidodiphosphate Shells for Visible- and NIR-Emitting Lanthanides: Hitherto Unexpected Effects of Sensitizer Fluorination on Lanthanide Emission Properties. <i>Chemistry - A European Journal</i> , 2007, 13, 6286-6286.	1.7	2

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55	Functional Supramolecular Ruthenium Cyclodextrin Dyes for Nanocrystalline Solar Cells. <i>Advanced Functional Materials</i> , 2007, 17, 54-58.	7.8	29
56	Adsorption dynamics and interfacial properties of thiol-based cobalt terpyridine monolayers. <i>Electrochimica Acta</i> , 2007, 52, 6692-6699.	2.6	11
57	Luminescent nanobeads: attachment of surface reactive Eu(III) complexes to gold nanoparticles. <i>Chemical Communications</i> , 2006, , 1433.	2.2	126
58	Far-red luminescent ruthenium pyridylimine complexes; building blocks for multinuclear arrays. <i>Dalton Transactions</i> , 2006, , 3025.	1.6	24
59	A Unidirectional Energy Transfer Cascade Process in a Ruthenium Junction Self-Assembled by β - and γ -Cyclodextrins. <i>Journal of the American Chemical Society</i> , 2006, 128, 4520-4521.	6.6	48
60	Adsorption Dynamics and Electrochemical and Photophysical Properties of Thiolated Ruthenium 2,2'-Bipyridine Monolayers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10063-10069.	1.2	30
61	Photoactive Metalocyclodextrins: Sophisticated Supramolecular Arrays for the Construction of Light Activated Miniature Devices. <i>ChemInform</i> , 2005, 36, no.	0.1	0
62	Photoactive metalocyclodextrins: sophisticated supramolecular arrays for the construction of light activated miniature devices. <i>Chemical Society Reviews</i> , 2005, 34, 120.	18.7	105
63	Acetylenic cyclodextrins for multireceptor architectures: cups with sticky ends for the formation of extension wires and junctions. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 4239.	1.5	31
64	Long-Lived Near-Infrared Luminescent Lanthanide Complexes of Imidodiphosphinate "Shell" Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 6140-6142.	1.9	82
65	Controlled assembly of luminescent racks based on heteroleptic dinuclear lanthanide complexes. <i>Chemical Communications</i> , 2004, , 2832-2833.	2.2	15
66	Highly Luminescent, Triple- and Quadruple-Stranded, Dinuclear Eu, Nd, and Sm(III) Lanthanide Complexes Based on Bis-Diketonate Ligands. <i>Journal of the American Chemical Society</i> , 2004, 126, 9413-9424.	6.6	339
67	Vectorial Control of Energy-Transfer Processes in Metalocyclodextrin Heterometallic Assemblies. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1830-1833.	7.2	57
68	Crown ether lanthanide complexes as building blocks for luminescent ternary complexes. <i>Polyhedron</i> , 2003, 22, 745-754.	1.0	26
69	Hairpin-Shaped Heterometallic Luminescent Lanthanide Complexes for DNA Intercalative Recognition. <i>Journal of the American Chemical Society</i> , 2003, 125, 9918-9919.	6.6	194
70	Ruthenium and Osmium Podate Cyclodextrins with Dual-function Recognition Sites for Luminescent Sensing. <i>Supramolecular Chemistry</i> , 2003, 15, 563-571.	1.5	16
71	Assembly of Hydrophobic Shells and Shields around Lanthanides. <i>Chemistry - A European Journal</i> , 2002, 8, 5761-5771.	1.7	93
72	Metalocyclodextrins as Building Blocks in Noncovalent Assemblies of Photoactive Units for the Study of Photoinduced Intercomponent Processes. <i>Inorganic Chemistry</i> , 2001, 40, 3912-3921.	1.9	55

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73	Metal Assembly of Cyclodextrin Recognition Sites. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 189-194.	1.0	25
74	Immobilization of π -Assembled Metallo-Supramolecular Arrays in Thin Films: From Crystal-Engineered Structures to Processable Materials. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3862-3865.	7.2	50
75	Immobilization of π -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. Mahwald for valuable discussions. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3862-3865.	7.2	1
76	A Luminescent One-Dimensional Copper(I) Polymer. <i>Journal of Cluster Science</i> , 2000, 11, 227-232.	1.7	6
77	Red and blue luminescent metallo-supramolecular coordination polymers assembled through π - π interactions. <i>Dalton Transactions RSC</i> , 2000, , 1447-1462.	2.3	200
78	An efficient synthesis of versatile terpyridine analogues for cyclometallated luminescent cyclodextrins. <i>Tetrahedron Letters</i> , 1999, 40, 6865-6868.	0.7	25
79	Imidodiphosphinate ligands as antenna units in luminescent lanthanide complexes. <i>Chemical Communications</i> , 1999, , 61-62.	2.2	69
80	Yttrium 1996. <i>Coordination Chemistry Reviews</i> , 1998, 172, 99-110.	9.5	7
81	Photoactive ruthenium(ii) cyclodextrins responsive to guest binding. <i>Chemical Communications</i> , 1998, , 1473-1474.	2.2	26
82	Yttrium 1995. <i>Coordination Chemistry Reviews</i> , 1997, 164, 189-201.	9.5	6
83	Chemosensing of Monocyclic and Bicyclic Aromatic Hydrocarbons by Supramolecular Active Sites. , 1997, , 159-176.		2
84	Photochromism and Thermochromism Driven by Intramolecular Proton Transfer in Dinitrobenzylpyridine Compounds. <i>The Journal of Physical Chemistry</i> , 1996, 100, 19315-19320.	2.9	34
85	Hyper-Rayleigh scattering investigation of nitrobenzyl pyridine model compounds for optical modulation of the hyperpolarisability. <i>Chemical Physics Letters</i> , 1996, 258, 485-489.	1.2	116
86	Dimensional reduction in II-VI materials: $A_2Cd_3Q_4$ ($A = K, Q = S, Se$) incorporation of A_2Q in CdQ . <i>Chemistry - A European Journal</i> , 1996, 2, 656-666.	1.7	99
87	Luminescence from supramolecules triggered by the molecular recognition of substrates. <i>Coordination Chemistry Reviews</i> , 1994, 132, 181-194.	9.5	43
88	Synthesis of a cradle cyclodextrin. <i>Tetrahedron Letters</i> , 1993, 34, 3531-3534.	0.7	29
89	Potassium cadmium sulfide ($K_2Cd_2S_3$) vs. calcium sulfide (CdS): can the properties of quantum-sized CdQ semiconductors be emulated by bulk alkali-metal ternary $A/Cd/Q$ phases ($Q = \text{chalcogen}$)?. <i>Journal of the American Chemical Society</i> , 1993, 115, 12191-12192.	6.6	47
90	Luminescent supramolecular architectures: a cyclodextrin modified with a europium(III) crown swing. <i>Inorganic Chemistry</i> , 1992, 31, 532-536.	1.9	64