Steve Comby

List of Publications by Year
in descending order

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32 papers	2,380 citations	236612 25 h-index	395343 33 g-index
34 all docs	34 docs citations	34 times ranked	2854 citing authors

#	Article	IF	Citations
1	New Opportunities for Lanthanide Luminescence. Journal of Rare Earths, 2007, 25, 257-274.	2.5	483
2	Stable 8-Hydroxyquinolinate-Based Podates as Efficient Sensitizers of Lanthanide Near-Infrared Luminescence. Inorganic Chemistry, 2006, 45, 732-743.	1.9	124
3	Chapter 235 Lanthanide Near-Infrared Luminescence in Molecular Probes and Devices. Fundamental Theories of Physics, 2007, 37, 217-470.	0.1	123
4	Lanthanide-Functionalized Nanoparticles as MRI and Luminescent Probes for Sensing and/or Imaging Applications. Inorganic Chemistry, 2014, 53, 1867-1879.	1.9	113
5	A Novel Strategy for the Design of 8-Hydroxyquinolinate-Based Lanthanide Bioprobes That Emit in the Near Infrared Range. Chemistry - A European Journal, 2007, 13, 936-944.	1.7	111
6	A Versatile Ditopic Ligand System for Sensitizing the Luminescence of Bimetallic Lanthanide Bioâ€Imaging Probes. Chemistry - A European Journal, 2008, 14, 1726-1739.	1.7	107
7	A Polyoxyethyleneâ€Substituted Bimetallic Europium Helicate for Luminescent Staining of Living Cells. Chemistry - A European Journal, 2007, 13, 9515-9526.	1.7	97
8	New Trick for an Old Ligand! The Sensing of Zn(II) Using a Lanthanide Based Ternary Yb(III)-cyclen-8-hydroxyquinoline System As a Dual Emissive Probe for Displacement Assay. Inorganic Chemistry, 2012, 51, 10158-10168.	1.9	95
9	Influence of Anionic Functions on the Coordination and Photophysical Properties of Lanthanide(III) Complexes with Tridentate Bipyridines. Inorganic Chemistry, 2004, 43, 7369-7379.	1.9	94
10	Lanthanide Bimetallic Helicates for<scp>in Vitro</scp>Imaging and Sensing. Annals of the New York Academy of Sciences, 2008, 1130, 97-105.	1.8	89
11	Lanthanide 8-hydroxyquinoline-based podates with efficient emission in the NIR range. Chemical Communications, 2005, , 1432-1434.	2.2	84
12	Luminescent Lanthanide-Functionalized Gold Nanoparticles: Exploiting the Interaction with Bovine Serum Albumin for Potential Sensing Applications. ACS Nano, 2011, 5, 7184-7197.	7.3	84
13	Luminescent lanthanide bimetallic triple-stranded helicates as potential cellular imaging probes. Chemical Communications, 2007, , 1716-1718.	2.2	73
14	pHâ€Responsive Luminescent Lanthanideâ€Functionalized Gold Nanoparticles with â€œOnâ€“Offâ€•Ytterbium Switchable Nearâ€Infrared Emission. Angewandte Chemie - International Edition, 2012, 51, 9624-9627.	7.2	66
15	Dual Emission from Luminescent Nonalanthanide Clusters. Inorganic Chemistry, 2006, 45, 3158-3160.	1.9	64
16	Sensing of biologically relevant d-metal ions using a Eu(iii)-cyclen based luminescent displacement assay in aqueous pH 7.4 buffered solution. Chemical Communications, 2011, 47, 6810.	2.2	59
17	Thiourea Derived TrÃ¶gerâ€™s Bases as Molecular Cleft Receptors and Colorimetric Sensors for Anions. Journal of Organic Chemistry, 2013, 78, 8312-8319.	1.7	59
18	Design and Response of Highâ€Efficiency, Planar, Doped Luminescent Solar Concentrators Using Organicâ€“Inorganic Diâ€Ureasil Waveguides. Advanced Optical Materials, 2016, 4, 444-456.	3.6	59

#	Article	IF	Citations
19	White-light emission from discrete heterometallic lanthanide-directed self-assembled complexes in solution. Chemical Science, 2017, 8, 3419-3426.	3.7	59
20	Two-Photon Luminescent Bone Imaging Using Europium Nanoagents. CheM, 2016, 1, 438-455.	5.8	51
21	Recent Highlights in the use of Lanthanide-directed Synthesis of Novel Supramolecular (Luminescent) Self-assembly Structures such as Coordination Bundles, Helicates and Sensors. Australian Journal of Chemistry, 2011, 64, 1315.	0.5	38
22	Towards multifunctional lanthanide-based metalâ€“organic frameworks. Chemical Communications, 2015, 51, 13313-13316.	2.2	38
23	Formation of Novel Dinuclear Lanthanide Luminescent Samarium(III), Europium(III), and Terbium(III) Tripleâ€Stranded Helicates from a C₂â€Symmetrical Pyridineâ€2,6â€dicarboxamideâ€Based 1,3â€Xylenediylâ€Linked Ligand in MeCN. Helvetica Chimica Acta, 2009, 92, 2461-2473.	1.0	37
24	The effect of the linker size in C₂-symmetrical chiral ligands on the self-assembly formation of luminescent triple-stranded di-metallic Eu(<scp>iii</scp>) helicates in solution. Dalton Transactions, 2018, 47, 12308-12317.	1.6	32
25	Luminescent Lanthanide Helicates Self-Assembled from Ditopic Ligands Bearing Phosphonic Acid or Phosphoester Units. Inorganic Chemistry, 2009, 48, 10687-10696.	1.9	30
26	Efficient Quenching of TGA-Capped CdTe Quantum Dot Emission by a Surface-Coordinated Europium(III) Cyclen Complex. Inorganic Chemistry, 2013, 52, 4133-4135.	1.9	21
27	Luminescent properties of an Yb podate in solâ€“gel silica films, solution, and solid state. Chemical Physics Letters, 2006, 432, 128-132.	1.2	20
28	Surfaceâ€Modified Gold Nanoparticles Possessing Twoâ€Channel Responsive Eu^{III}/Tb^{III} Cyclen Complexes as Luminescent Logic Gate Mimics. ChemPhysChem, 2017, 18, 1746-1751.	1.0	20
29	Cyclen lanthanide-based micellar structures for application as luminescent [Eu(<scp>iii</scp>)] and magnetic [Gd(<scp>iii</scp>)] resonance imaging (MRI) contrast agents. Chemical Communications, 2016, 52, 10858-10861.	2.2	18
30	Synthesis and characterisation of biocompatible organicâ€“inorganic coreâ€“shell nanocomposite particles based on ureasils. Journal of Materials Chemistry B, 2020, 8, 4908-4916.	2.9	6
31	Fluorescent 4-amino-1,8-naphthalimide TrÃ¶ger's bases (TBNaps) possessing (orthogonal) â€˜Î±-amino acidsâ€™, esters and di-peptides and their solvent dependent photophysical properties. Organic and Biomolecular Chemistry, 2021, 19, 6817-6833.	1.5	6
32	Fluorescent 4-amino-1,8-naphthalimide TrÃ¶gerâ€™s bases possessing conjugated 4-amino-1,8-naphthalimide moieties and their potential fullerenes Host-Guest complexes. Results in Chemistry, 2021, 3, 100128.	0.9	5