

Anion binding in water at lanthanide centres: from structure to sensing

Chemical Society Reviews

42, 1652-1666

DOI: [10.1039/c2cs35144g](https://doi.org/10.1039/c2cs35144g)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Bright Mono-aqua Europium Complexes Based on Triazacyclononane That Bind Anions Reversibly and Permeate Cells Efficiently. <i>Chemistry - A European Journal</i> , 2013, 19, 9511-9517.	1.7	61
2	Ternary self-assemblies in water: forming a pentanuclear ReLn ₄ assembly by association of binuclear lanthanide binding pockets with fac-Re(CO) ₃ (dinicotinate) ₂ Cl. <i>Dalton Transactions</i> , 2013, 42, 16255.	1.6	9
3	Smart ϵ -Lanthano ϵ -Proteins for Phospholipid Sensing. <i>Inorganic Chemistry</i> , 2013, 52, 12314-12316.	1.9	15
4	pH-Responsive Lanthanide Complexes Based on Reversible Ligation of a Diphenylphosphinamide. <i>Inorganic Chemistry</i> , 2013, 52, 14264-14269.	1.9	4
5	Direct and selective tagging of cysteine residues in peptides and proteins with 4-nitropyridyl lanthanide complexes. <i>Chemical Communications</i> , 2013, 49, 9104.	2.2	34
6	Synthesis and characterization of novel thermoresponsive fluorescence complexes based on copolymers with rare earth ions. <i>Optical Materials</i> , 2013, 35, 2250-2256.	1.7	17
7	Using Remote Substituents to Control Solution Structure and Anion Binding in Lanthanide Complexes. <i>Chemistry - A European Journal</i> , 2013, 19, 16566-16571.	1.7	30
8	Enhancement of Anion Binding in Lanthanide Optical Sensors. <i>Accounts of Chemical Research</i> , 2013, 46, 2576-2584.	7.6	51
9	Real time detection of cell cycle regulator cyclin A on living tumor cells with europium emission. <i>Dalton Transactions</i> , 2013, 42, 13495.	1.6	6
10	A bright and responsive europium probe for determination of pH change within the endoplasmic reticulum of living cells. <i>Chemical Communications</i> , 2013, 49, 5363.	2.2	110
11	Intriguing aspects of lanthanide luminescence. <i>Chemical Science</i> , 2013, 4, 1939.	3.7	579
12	Europium (III) complexes with new N-donor ligand: A comparative study in solid state and solution. <i>Polyhedron</i> , 2013, 57, 30-38.	1.0	28
13	Sensing of Carboxylate Drugs in Urine by a Supramolecular Sensor Array. <i>Journal of the American Chemical Society</i> , 2013, 135, 7705-7712.	6.6	131
14	An ATP-selective, lanthanide complex luminescent probe. <i>Dalton Transactions</i> , 2013, 42, 9840.	1.6	50
15	Self-assembly between dicarboxylate ions and binuclear europium complexes: moving to water's pH dependence and effects of buffers. <i>Dalton Transactions</i> , 2013, 42, 67-70.	1.6	16
16	Convenient Synthesis of ⁶⁸ Ga-Labeled Gadolinium(III) Complexes: Towards Bimodal Responsive Probes for Functional Imaging with PET/MRI. <i>Chemistry - A European Journal</i> , 2013, 19, 12602-12606.	1.7	23
18	Simple and versatile modifications allowing time gated spectral acquisition, imaging and lifetime profiling on conventional wide-field microscopes. <i>Methods and Applications in Fluorescence</i> , 2014, 2, 037001.	1.1	15
19	Ratiometric Detection of Adenosine Triphosphate (ATP) in Water and Real-Time Monitoring of Apyrase Activity with a Tripodal Zinc Complex. <i>Chemistry - A European Journal</i> , 2014, 20, 15768-15774.	1.7	41

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20	Tunable Nonlinear Optical Property and Photocatalytic Activity on Luminescent Chiral Lanthanide Chains. <i>Chinese Journal of Chemistry</i> , 2014, 32, 1259-1266.	2.6	3
21	Induced circularly polarized luminescence arising from anion or protein binding to racemic emissive lanthanide complexes. <i>Methods and Applications in Fluorescence</i> , 2014, 2, 024007.	1.1	38
22	The application of paramagnetic lanthanoid ions in NMR spectroscopy on proteins. <i>Coordination Chemistry Reviews</i> , 2014, 273-274, 2-12.	9.5	79
23	Designing reactivity-based responsive lanthanide probes for multicolor detection in biological systems. <i>Coordination Chemistry Reviews</i> , 2014, 273-274, 30-46.	9.5	74
24	An efficiently colorimetric and fluorescent probe of fluoride, acetate and phosphate ions based on a novel trinuclear Eu-complex. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 133-139.	4.0	38
25	A lanthanide based sensor for the time-gated detection of hydrogen sulfide. <i>Chemical Communications</i> , 2014, 50, 4696-4698.	2.2	61
26	Chemosensing of Chloride Based on a Luminescent Platinum(II) NCN Pincer Complex in Aqueous Media. <i>Organometallics</i> , 2014, 33, 868-875.	1.1	47
27	Recent developments in lanthanide-based luminescent probes. <i>Coordination Chemistry Reviews</i> , 2014, 273-274, 201-212.	9.5	267
28	Highly Emitting Near-Infrared Lanthanide Encapsulated Sandwich Metallacrown Complexes with Excitation Shifted Toward Lower Energy. <i>Journal of the American Chemical Society</i> , 2014, 136, 1526-1534.	6.6	161
29	Exploiting lanthanide luminescence in supramolecular assemblies. <i>Chemical Communications</i> , 2014, 50, 5678-5687.	2.2	30
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32	Lanthanide Probes for Bioresponsive Imaging. <i>Chemical Reviews</i> , 2014, 114, 4496-4539.	23.0	965
33	An optical material for the detection of β -hydroxybutyrate based on a terbium complex. <i>Optical Materials</i> , 2014, 36, 809-812.	1.7	5
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35	Displacement assay detection by a dimeric lanthanide luminescent ternary Tb(cyclen) complex: high selectivity for phosphate and nitrate anions. <i>Dalton Transactions</i> , 2014, 43, 17964-17970.	1.6	48
36	Multidentate Europium Chelates as Luminoionophores for Anion Recognition: Impact of Ligand Design on Sensitivity and Selectivity, and Applicability to Enzymatic Assays. <i>Chemistry - A European Journal</i> , 2014, 20, 5298-5308.	1.7	32
37	Review: Lanthanide coordination chemistry: from old concepts to coordination polymers. <i>Journal of Coordination Chemistry</i> , 2014, 67, 3706-3733.	0.8	240

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38	Selective Sensitization of Eu(III) and Tb(III) Emission with Triarylboron-Functionalized Dipicolinic Acids. <i>Inorganic Chemistry</i> , 2014, 53, 9751-9760.	1.9	26
39	Bifunctional up-converting lanthanide nanoparticles for selective in vitro imaging and inhibition of cyclin D as anti-cancer agents. <i>Journal of Materials Chemistry B</i> , 2014, 2, 84-91.	2.9	67
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46	A polyrotaxane-like metal-organic framework exhibiting luminescent sensing of Eu ³⁺ cations and proton conductivity. <i>CrystEngComm</i> , 2014, 16, 6882-6888.	1.3	24
47	Preparation of <i>N,N</i> -Dialkylcarbamato Lanthanide Complexes by Extraction of Lanthanide Ions from Aqueous Solution into Hydrocarbons. <i>Inorganic Chemistry</i> , 2014, 53, 4861-4871.	1.9	17
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49	Development of responsive visibly and NIR luminescent and supramolecular coordination self-assemblies using lanthanide ion directed synthesis. <i>Coordination Chemistry Reviews</i> , 2014, 273-274, 226-241.	9.5	98
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57	Thermodynamics of Self-Assembly of Dicarboxylate Ions with Binuclear Lanthanide Complexes. <i>ChemistryOpen</i> , 2015, 4, 509-515.	0.9	12
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60	Characterization and Luminescence Properties of Lanthanide-Based Polynuclear Complexes Nanoaggregates. <i>Inorganic Chemistry</i> , 2015, 54, 6043-6054.	1.9	28
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65	Rational Design of Nanoparticles with Efficient Lanthanide Luminescence Sensitized by Iridium(III) Complex for Time-Gated Luminescence Bioimaging. <i>Advanced Optical Materials</i> , 2015, 3, 233-240.	3.6	25
66	A Terbium(III)-Complex-Based On-Off Fluorescent Chemosensor for Phosphate Anions in Aqueous Solution and Its Application in Molecular Logic Gates. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4415-4422.	4.0	65
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72	Ligation driven ^{19}F relaxation enhancement in self-assembled Ln(III) complexes. <i>Chemical Communications</i> , 2015, 51, 2918-2920.	2.2	6
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78	Directional Plk1 inhibition-driven cell cycle interruption using amphiphilic thin-coated peptide-lanthanide upconversion nanomaterials as in vivo tumor suppressors. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2624-2634.	2.9	8
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93	Anion sensing by small molecules and molecular ensembles. <i>Chemical Society Reviews</i> , 2015, 44, 4212-4227.	18.7	507
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95	Structural Control of Cell Permeability with Highly Emissive Europium(III) Complexes Permits Different Microscopy Applications. <i>Chemistry - A European Journal</i> , 2016, 22, 570-580.	1.7	32
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101	Induced europium CPL for the selective signalling of phosphorylated amino-acids and O-phosphorylated hexapeptides. <i>Dalton Transactions</i> , 2016, 45, 8355-8366.	1.6	41
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112	Distance Dependence of Fluorescence Enhancement in Au Nanoparticle@Mesoporous Silica@Europium Complex. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16907-16912.	1.5	19
113	A lysosome targetable luminescent bioprobe based on a europium β^2 -diketonate complex for cellular imaging applications. <i>Dalton Transactions</i> , 2016, 45, 18719-18729.	1.6	21
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129	A luminescent lanthanide approach towards direct visualization of primary cilia in living cells. <i>Chemical Communications</i> , 2017, 53, 7084-7087.	2.2	20
130	Triboluminescence of Lanthanide Coordination Polymers with Face-to-Face Arranged Substituents. <i>Angewandte Chemie</i> , 2017, 129, 7277-7281.	1.6	15
131	Synthesis and photophysical and magnetic studies of ternary lanthanide(ⁱⁱⁱ) complexes of naphthyl chromophore functionalized imidazo[4,5-f][1,10]phenanthroline and dibenzoylmethane. <i>Dalton Transactions</i> , 2017, 46, 8562-8571.	1.6	34
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