

# Sally E Plush

## List of Publications by Year in descending order

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53  
papers

1,571  
citations

304368

22  
h-index

301761

39  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1981  
citing authors

#	ARTICLE	IF	CITATIONS
1	pH driven self-assembly of a ternary lanthanide luminescence complex: the sensing of anions using a $\beta$ -diketonate-Eu(III) displacement assay. <i>Chemical Communications</i> , 2007, , 129-131.	2.2	145
2	Soft Matter pH Sensing: From Luminescent Lanthanide pH Switches in Solution to Sensing in Hydrogels. <i>Chemistry of Materials</i> , 2006, 18, 4336-4343.	3.2	105
3	Luminescent Sensing of Dicarboxylates in Water by a Bismacrocylic Dinuclear Eu(III) Conjugate. <i>Organic Letters</i> , 2007, 9, 1919-1922.	2.4	96
4	A Dinuclear Lanthanide Complex for the Recognition of Bis(carboxylates): Formation of Terbium(III) Luminescent Self-Assembly Ternary Complexes in Aqueous Solution. <i>Inorganic Chemistry</i> , 2006, 45, 9465-9474.	1.9	95
5	Lanthanide luminescent anion sensing: evidence of multiple anion recognition through hydrogen bonding and metal ion coordination. <i>Chemical Communications</i> , 2007, , 3389.	2.2	92
6	A Practical Guide to Prepare and Synthetically Modify Graphene Quantum Dots. <i>Advanced Functional Materials</i> , 2019, 29, 1808740.	7.8	81
7	Solution studies of trimetallic lanthanide luminescent anion sensors: towards ratiometric sensing using an internal reference channel. <i>Dalton Transactions</i> , 2008, , 3801.	1.6	69
8	Supramolecular Self-Assembly of Mixed $\pi$ - $\pi$ Metal Ion Conjugates. <i>Organic Letters</i> , 2006, 8, 2727-2730.	2.4	63
9	Investigating Intracellular Localisation and Cytotoxicity Trends for Neutral and Cationic Iridium Tetrazolato Complexes in Live Cells. <i>Chemistry - A European Journal</i> , 2017, 23, 15666-15679.	1.7	53
10	Lanthanide Luminescence Enhancements in Porous Silicon Resonant Microcavities. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 12012-12021.	4.0	49
11	Modulation of the organelle specificity in Re( $\text{I}$ ) tetrazolato complexes leads to labeling of lipid droplets. <i>RSC Advances</i> , 2014, 4, 16345-16351.	1.7	48
12	Selective mono N-alkylations of cyclen in one step syntheses. <i>Tetrahedron Letters</i> , 2007, 48, 8052-8055.	0.7	46
13	Recent Advances on Luminescent Enhancement-Based Porous Silicon Biosensors. <i>Pharmaceutical Research</i> , 2016, 33, 2314-2336.	1.7	46
14	Tuning the properties of cyclen based lanthanide complexes for phosphodiester hydrolysis; the role of basic cofactors. <i>Chemical Communications</i> , 2006, , 3791.	2.2	43
15	Novel Tamoxifen Nanoformulations for Improving Breast Cancer Treatment: Old Wine in New Bottles. <i>Molecules</i> , 2020, 25, 1182.	1.7	41
16	Nanoassembled Capsules as Delivery Vehicles for Large Payloads of High Relaxivity Gd <sup>3+</sup> Agents. <i>Journal of the American Chemical Society</i> , 2009, 131, 15918-15923.	6.6	39
17	Intracellular distribution and stability of a luminescent rhenium( $\text{I}$ ) tricarbonyl tetrazolato complex using epifluorescence microscopy in conjunction with X-ray fluorescence imaging. <i>Metallomics</i> , 2017, 9, 382-390.	1.0	31
18	Lipid profiles of prostate cancer cells. <i>Oncotarget</i> , 2018, 9, 35541-35552.	0.8	31

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19	A Molecular Probe for the Detection of Polar Lipids in Live Cells. PLoS ONE, 2016, 11, e0161557.	1.1	29
20	Mitochondrial imaging in live or fixed tissues using a luminescent iridium complex. Scientific Reports, 2018, 8, 8191.	1.6	29
21	Unprecedented staining of polar lipids by a luminescent rhenium complex revealed by FTIR microspectroscopy in adipocytes. Molecular BioSystems, 2016, 12, 2064-2068.	2.9	26
22	The effect on the lanthanide luminescence of structurally simple Eu(III) cyclen complexes upon deprotonation of metal bound water molecules and amide based pendant arms. Dalton Transactions, 2010, 39, 3644.	1.6	24
23	Imaging nuclear, endoplasmic reticulum and plasma membrane events in real time. FEBS Letters, 2016, 590, 3051-3060.	1.3	22
24	Norbornane-based cationic antimicrobial peptidomimetics targeting the bacterial membrane. European Journal of Medicinal Chemistry, 2018, 160, 9-22.	2.6	22
25	Biomolecule detection in porous silicon based microcavities via europium luminescence enhancement. Journal of Materials Chemistry B, 2014, 2, 7694-7703.	2.9	21
26	Novel Gd-Loaded Silicon Nanohybrid: A Potential Epidermal Growth Factor Receptor Expressing Cancer Cell Targeting Magnetic Resonance Imaging Contrast Agent. ACS Applied Materials & Interfaces, 2017, 9, 42601-42611.	4.0	20
27	Singlet Oxygen Detection on a Nanostructured Porous Silicon Thin Film via Photonic Luminescence Enhancements. Langmuir, 2017, 33, 8606-8613.	1.6	15
28	Fluorescent ligands derived from 2-(9-anthrylmethylamino)ethyl-appended cyclen for use in metal ion activated molecular receptors. Inorganica Chimica Acta, 2009, 362, 3097-3103.	1.2	12
29	Cross-Coupling of Amide and Amide Derivatives to Umbelliferone Nonaflates: Synthesis of Coumarin Derivatives and Fluorescent Materials. Journal of Organic Chemistry, 2020, 85, 7986-7999.	1.7	12
30	Aminoacid N-substituted 1,4,7-triazacyclononane and 1,4,7,10-tetraazacyclododecane Zn <sup>2+</sup> , Cd <sup>2+</sup> and Cu <sup>2+</sup> complexes. A preparative, potentiometric titration and NMR spectroscopic study Electronic supplementary information (ESI) available: Titration curve for H333+ alone and in the presence of Zn <sup>2+</sup> , Cd <sup>2+</sup> and Cu <sup>2+</sup> . Fig. S2: Distribution variation of 3 and derived species with pH in the presence of Zn <sup>2+</sup> . See <a href="http://www.rsc.org/suppdata/dt/b4/b401763c/">http://www.rsc.org/suppdata/dt/b4/b401763c/</a> . Dalton Transactions, 2004, , 1410.	1.6	11
31	A europium-based "off-on" colourimetric detector of singlet oxygen. Inorganica Chimica Acta, 2017, 462, 236-240.	1.2	11
32	Luminescent protein staining with Re( <i>trifluoromethyl</i> ) tetrazolato complexes. Dalton Transactions, 2018, 47, 9400-9410.	1.6	11
33	Detecting metabolic differences in fetal and adult sheep adipose and skeletal muscle tissues. Journal of Biophotonics, 2020, 13, e201960085.	1.1	10
34	Neutral Re(III) Complex Platform for Live Intracellular Imaging. Inorganic Chemistry, 2021, 60, 10173-10185.	1.9	10
35	Synthesis, photophysical and cellular characterisation of folate and methotrexate labelled luminescent lanthanide complexes. Journal of Inorganic Biochemistry, 2018, 178, 32-42.	1.5	9
36	Bright lights down under: Metal ion complexes turning the spotlight on metabolic processes at the cellular level. Coordination Chemistry Reviews, 2018, 375, 234-255.	9.5	9

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37	Spectroscopic and Molecular Docking Study of the Interaction between Neutral Re(I) Tetrazolate Complexes and Bovine Serum Albumin. <i>Chemistry - A European Journal</i> , 2021, 27, 11406-11417.	1.7	9
38	Redox ratio in the left ventricle of the growth restricted fetus is positively correlated with cardiac output. <i>Journal of Biophotonics</i> , 2021, 14, e202100157.	1.1	9
39	Concept Design, Development and Preliminary Physical and Chemical Characterization of Tamoxifen-Guided-Mesoporous Silica Nanoparticles. <i>Molecules</i> , 2021, 26, 219.	1.7	8
40	Tri- and tetra-substituted cyclen based lanthanide( $\text{Ln}^{3+}$ ) ion complexes as ribonuclease mimics: a study into the effect of $\log K_{\text{ML}}^{\text{H}_2\text{O}}$ , hydration and hydrophobicity on phosphodiester hydrolysis of the RNA-model 2-hydroxypropyl-4-nitrophenyl phosphate (HPNP). <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5804-5816.	1.5	7
41	Crosslinked shells for nano-assembled capsules: a new encapsulation method for smaller Gd <sup>3+</sup> -loaded capsules with exceedingly high relaxivities. <i>Chemical Communications</i> , 2017, 53, 6355-6358.	2.2	7
42	A rapid technique to determine performance and efficiency of activated carbon water filters. <i>Water Science and Technology: Water Supply</i> , 2018, 18, 371-382.	1.0	7
43	Functionalized Mesoporous Silica Nanoparticles as Delivery Systems for Doxorubicin: Drug Loading and Release. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6121.	1.3	7
44	Synthesis and characterisation of folic acid based lanthanide ion probes. <i>Inorganica Chimica Acta</i> , 2014, 410, 11-19.	1.2	6
45	Label-free imaging of healthy and infarcted fetal sheep hearts by two-photon microscopy. <i>Journal of Biophotonics</i> , 2018, 11, e201600296.	1.1	6
46	Label-free imaging of redox status and collagen deposition showing metabolic differences in the heart. <i>Journal of Biophotonics</i> , 2018, 11, e201700242.	1.1	6
47	Synthesis and Characterisation of First Generation Luminescent Lanthanide Complexes Suitable for Being Adapted for Uptake via the Mannose Receptor. <i>Chinese Journal of Inorganic Chemistry</i> , 2013, 2013, 1-8.	0.2	5
48	Photophysical and Biological Properties of Iridium Tetrazolato Complexes Functionalised with Fatty Acid Chains. <i>Inorganics</i> , 2020, 8, 23.	1.2	4
49	In utero substrate restriction by placental insufficiency or maternal undernutrition decreases optical redox ratio in foetal perirenal fat. <i>Journal of Biophotonics</i> , 2021, 14, e202000322.	1.1	4
50	Rhenium(I) conjugates as tools for tracking cholesterol in cells. <i>Metallomics</i> , 2022, 14, .	1.0	4
51	Imaging and lipidomics methods for lipid analysis in metabolic and cardiovascular disease. <i>Journal of Developmental Origins of Health and Disease</i> , 2017, 8, 566-574.	0.7	3
52	Development of an optical fiber-based redox monitoring system for tissue metabolism. <i>Journal of Biophotonics</i> , 2022, 15, e202100304.	1.1	3
53	Visualizing Biomaterial Degradation by <i>Candida albicans</i> Using Embedded Luminescent Molecules To Report on Substrate Digestion and Cellular Uptake of Hydrolysate. <i>ACS Applied Bio Materials</i> , 2019, 2, 3934-3941.	2.3	0