

Robert B P Elmes

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,730
citations

279798

23
h-index

289244

40
g-index

43
all docs

43
docs citations

43
times ranked

2212
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time Multi-Photon Tracking and Bioimaging of Glycosylated Theranostic Prodrugs upon Specific Enzyme Triggered Release. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	6
2	Hydroxychloroquine Does Not Function as a Direct Zinc Ionophore. <i>Pharmaceutics</i> , 2022, 14, 899.	4.5	3
3	Coumarin-based fluorescent probe for the detection of glutathione and nitroreductase. <i>Tetrahedron</i> , 2021, 82, 131890.	1.9	5
4	1,8-Naphthalimide based fluorescent sensors for enzymes. <i>Coordination Chemistry Reviews</i> , 2021, 437, 213713.	18.8	82
5	Squaramide-Based Self-Associating Amphiphiles for Anion Recognition. <i>ChemPlusChem</i> , 2021, 86, 1058-1068.	2.8	8
6	Investigating Structural Property Relationships to Enable Repurposing of Pharmaceuticals as Zinc Ionophores. <i>Pharmaceutics</i> , 2021, 13, 2032.	4.5	3
7	Extraction and transport of sulfate using macrocyclic squaramide receptors. <i>Chemical Science</i> , 2020, 11, 201-207.	7.4	48
8	Glycosyl squaramides, a new class of supramolecular gelators. <i>Soft Matter</i> , 2020, 16, 7916-7926.	2.7	11
9	Synthesis, Characterization, and Biological Profiling of Ruthenium(II)-Based 4-Nitro- and 4-Amino-1,8-naphthalimide Conjugates. <i>Inorganic Chemistry</i> , 2020, 59, 10874-10893.	4.0	16
10	Editorial: Host-Guest Chemistry of Macrocycles. <i>Frontiers in Chemistry</i> , 2020, 8, 628200.	3.6	8
11	Dynamic materials fabricated from water soluble pillar[n]arenes bearing triethylene oxide groups. <i>Chinese Chemical Letters</i> , 2019, 30, 271-276.	9.0	57
12	Artificial light-harvesting systems fabricated by supramolecular host-guest interactions. <i>Chinese Chemical Letters</i> , 2019, 30, 31-36.	9.0	119
13	Coumarin-based fluorescent AND logic gate probes for the detection of homocysteine and a chosen biological analyte. <i>RSC Advances</i> , 2019, 9, 26425-26428.	3.6	9
14	Squaramide-Naphthalimide Conjugates as Turn-On Fluorescent Sensors for Bromide Through an Aggregation-Disaggregation Approach. <i>Frontiers in Chemistry</i> , 2019, 7, 354.	3.6	21
15	RGD conjugated cell uptake off to on responsive NIR-AZA fluorophores: applications toward intraoperative fluorescence guided surgery. <i>Chemical Science</i> , 2019, 10, 6944-6956.	7.4	33
16	The Versatility of Squaramides: From Supramolecular Chemistry to Chemical Biology. <i>CheM</i> , 2019, 5, 1398-1485.	11.7	106
17	Receptors for sulfate that function across a wide pH range in mixed aqueous-DMSO media. <i>Chemical Communications</i> , 2019, 55, 12312-12315.	4.1	28
18	A long wavelength colourimetric chemosensor for fluoride. <i>Supramolecular Chemistry</i> , 2018, 30, 795-805.	1.2	9

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19	A simple umbelliferone based fluorescent probe for the detection of nitroreductase. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 311-314.	4.4	13
20	â€”ANDâ€”-based fluorescence scaffold for the detection of ROS/RNS and a second analyte. <i>Chemical Communications</i> , 2018, 54, 8466-8469.	4.1	47
21	Synthesis of Side-Chain Modified Peptides Using Iterative Solid Phase â€”Clickâ€” Methodology. <i>Australian Journal of Chemistry</i> , 2017, 70, 201.	0.9	8
22	2-Nitroimidazole based fluorescent probes for nitroreductase; monitoring reductive stress in cellulose. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6104-6108.	2.8	56
23	Macrocyclic squaramides: anion receptors with high sulfate binding affinity and selectivity in aqueous media. <i>Chemical Science</i> , 2016, 7, 4563-4572.	7.4	100
24	Catalysis and Sensing for our Environment (CASE2015) and the Supramolecular Chemistry Ireland Meeting (SCI 2015): Dublin and Maynooth, Ireland. 8thâ€”11th July. <i>Supramolecular Chemistry</i> , 2016, 28, 921-931.	1.2	20
25	Bioreductive fluorescent imaging agents: applications to tumour hypoxia. <i>Chemical Communications</i> , 2016, 52, 8935-8956.	4.1	82
26	Ru(<i>ii</i>)-polypyridyl surface functionalised gold nanoparticles as DNA targeting supramolecular structures and luminescent cellular imaging agents. <i>Nanoscale</i> , 2016, 8, 563-574.	5.6	30
27	pH switchable anion transport by an oxothiosquaramide. <i>Chemical Communications</i> , 2015, 51, 10107-10110.	4.1	51
28	Detailed Biological Profiling of a Photoactivated and Apoptosis Inducing pdppz Ruthenium(II) Polypyridyl Complex in Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4494-4505.	6.4	74
29	Anion recognition by cyclic peptides. <i>Chemical Communications</i> , 2015, 51, 4951-4968.	4.1	68
30	Unexpected DNA binding properties with correlated downstream biological applications in mono vs. bis-1,8-naphthalimide Ru(<i>ii</i>)-polypyridyl conjugates. <i>Dalton Transactions</i> , 2015, 44, 16332-16344.	3.3	36
31	Amino acid-based squaramides for anion recognition. <i>Supramolecular Chemistry</i> , 2015, 27, 321-328.	1.2	22
32	Sulfateâ€”selective Recognition by Using Neutral Dipeptide Anion Receptors in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2014, 20, 7373-7380.	3.3	46
33	Thiosquaramides: pH switchable anion transporters. <i>Chemical Science</i> , 2014, 5, 3617-3626.	7.4	109
34	Colorimetric and Luminescent Sensors for Chloride: Hydrogen Bonding vs Deprotonation. <i>Organic Letters</i> , 2013, 15, 5638-5641.	4.6	65
35	Synthesis and photophysical evaluations of fluorescent quaternary bipyridyl-1,8-naphthalimide conjugates as nucleic acid targeting agents. <i>Supramolecular Chemistry</i> , 2012, 24, 175-188.	1.2	18
36	Pushing the limit: synthesis, photophysical and DNA binding studies of a NIR-emitting Ru(<i>ii</i>)-polypyridyl probe with â€”light switchâ€” behaviour. <i>Dalton Transactions</i> , 2012, 41, 6607.	3.3	21

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37	Photophysical and biological investigation of novel luminescent Ru(II)-polypyridyl-1,8-naphthalimide Tröger's bases as cellular imaging agents. <i>Chemical Communications</i> , 2012, 48, 2588.	4.1	69
38	Luminescent Ruthenium(II) Polypyridyl Functionalized Gold Nanoparticles; Their DNA Binding Abilities and Application As Cellular Imaging Agents. <i>Journal of the American Chemical Society</i> , 2011, 133, 15862-15865.	13.7	141
39	Quaternarized pdppz: synthesis, DNA-binding and biological studies of a novel dppz derivative that causes cellular death upon light irradiation. <i>Chemical Communications</i> , 2011, 47, 686-688.	4.1	38
40	Luminescence anion sensing via modulation of MLCT emission from a naphthalimide-Ru(II)-polypyridyl complex. <i>Tetrahedron Letters</i> , 2010, 51, 4082-4087.	1.4	44