# Robert B P Elmes

List of Publications by Year
in descending order



| 40 | 1,730 | 279798 | 289244 |
|---|---|---|---|
| papers | citations | 23 h-index | 40 g-index |

| 43 | 43 | 43 | 2212 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Luminescent Ruthenium(II) Polypyridyl Functionalized Gold Nanoparticles; Their DNA Binding Abilities and Application As Cellular Imaging Agents. Journal of the American Chemical Society, 2011, 133, 15862-15865. | 13.7 | 141 |
| 2 | Artificial light-harvesting systems fabricated by supramolecular hostâ€“guest interactions. Chinese Chemical Letters, 2019, 30, 31-36. | 9.0 | 119 |
| 3 | Thiosquaramides: pH switchable anion transporters. Chemical Science, 2014, 5, 3617-3626. | 7.4 | 109 |
| 4 | The Versatility of Squaramides: From Supramolecular Chemistry to Chemical Biology. CheM, 2019, 5, 1398-1485. | 11.7 | 106 |
| 5 | Macrocyclic squaramides: anion receptors with high sulfate binding affinity and selectivity in aqueous media. Chemical Science, 2016, 7, 4563-4572. | 7.4 | 100 |
| 6 | Bioreductive fluorescent imaging agents: applications to tumour hypoxia. Chemical Communications, 2016, 52, 8935-8956. | 4.1 | 82 |
| 7 | 1,8-Naphthalimide based fluorescent sensors for enzymes. Coordination Chemistry Reviews, 2021, 437, 213713. | 18.8 | 82 |
| 8 | Detailed Biological Profiling of a Photoactivated and Apoptosis Inducing pdppz Ruthenium(II) Polypyridyl Complex in Cancer Cells. Journal of Medicinal Chemistry, 2015, 58, 4494-4505. | 6.4 | 74 |
| 9 | Photophysical and biological investigation of novel luminescent Ru(ii)-polypyridyl-1,8-naphthalimide TrÃ¶ger's bases as cellular imaging agents. Chemical Communications, 2012, 48, 2588. | 4.1 | 69 |
| 10 | Anion recognition by cyclic peptides. Chemical Communications, 2015, 51, 4951-4968. | 4.1 | 68 |
| 11 | Colorimetric and Luminescent Sensors for Chloride: Hydrogen Bonding vs Deprotonation. Organic Letters, 2013, 15, 5638-5641. | 4.6 | 65 |
| 12 | Dynamic materials fabricated from water soluble pillar[n]arenes bearing triethylene oxide groups. Chinese Chemical Letters, 2019, 30, 271-276. | 9.0 | 57 |
| 13 | 2-Nitroimidazole based fluorescent probes for nitroreductase; monitoring reductive stress in cellulo. Organic and Biomolecular Chemistry, 2017, 15, 6104-6108. | 2.8 | 56 |
| 14 | pH switchable anion transport by an oxothiosquaramide. Chemical Communications, 2015, 51, 10107-10110. | 4.1 | 51 |
| 15 | Extraction and transport of sulfate using macrocyclic squaramide receptors. Chemical Science, 2020, 11, 201-207. | 7.4 | 48 |
| 16 | â€˜ANDâ€™-based fluorescence scaffold for the detection of ROS/RNS and a second analyte. Chemical Communications, 2018, 54, 8466-8469. | 4.1 | 47 |
| 17 | Sulfateâ€Selective Recognition by Using Neutral Dipeptide Anion Receptors in Aqueous Solution. Chemistry - A European Journal, 2014, 20, 7373-7380. | 3.3 | 46 |
| 18 | Luminescence anion sensing via modulation of MLCT emission from a naphthalimideâ€“Ru(II)â€“polypyridyl complex. Tetrahedron Letters, 2010, 51, 4082-4087. | 1.4 | 44 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Quaternarized pdppz: synthesis, DNA-binding and biological studies of a novel dppz derivative that causes cellular death upon light irradiation. Chemical Communications, 2011, 47, 686-688. | 4.1 | 38 |
| 20 | Unexpected DNA binding properties with correlated downstream biological applications in mono vs. bis-1,8-naphthalimide Ru(<scp>ii</scp>)-polypyridyl conjugates. Dalton Transactions, 2015, 44, 16332-16344. | 3.3 | 36 |
| 21 | RGD conjugated cell uptake off to on responsive NIR-AZA fluorophores: applications toward intraoperative fluorescence guided surgery. Chemical Science, 2019, 10, 6944-6956. | 7.4 | 33 |
| 22 | Ru(<scp>ii</scp>)-polypyridyl surface functionalised gold nanoparticles as DNA targeting supramolecular structures and luminescent cellular imaging agents. Nanoscale, 2016, 8, 563-574. | 5.6 | 30 |
| 23 | Receptors for sulfate that function across a wide pH range in mixed aqueousâ€“DMSO media. Chemical Communications, 2019, 55, 12312-12315. | 4.1 | 28 |
| 24 | Amino acid-based squaramides for anion recognition. Supramolecular Chemistry, 2015, 27, 321-328. | 1.2 | 22 |
| 25 | Pushing the limit: synthesis, photophysical and DNA binding studies of a NIR-emitting Ru(ii)-polypyridyl probe with â€˜light switchâ€™ behaviour. Dalton Transactions, 2012, 41, 6607. | 3.3 | 21 |
| 26 | Squaramideâ€”Naphthalimide Conjugates as â€œTurn-Onâ€•Fluorescent Sensors for Bromide Through an Aggregation-Disaggregation Approach. Frontiers in Chemistry, 2019, 7, 354. | 3.6 | 21 |
| 27 | Catalysis and Sensing for our Environment (CASE2015) and the Supramolecular Chemistry Ireland Meeting (SCI 2015): Dublin and Maynooth, Ireland. 8thâ€“11th July. Supramolecular Chemistry, 2016, 28, 921-931. | 1.2 | 20 |
| 28 | Synthesis and photophysical evaluations of fluorescent quaternary bipyridyl-1,8-naphthalimide conjugates as nucleic acid targeting agents. Supramolecular Chemistry, 2012, 24, 175-188. | 1.2 | 18 |
| 29 | Synthesis, Characterization, and Biological Profiling of Ruthenium(II)-Based 4-Nitro- and 4-Amino-1,8-naphthalimide Conjugates. Inorganic Chemistry, 2020, 59, 10874-10893. | 4.0 | 16 |
| 30 | A simple umbelliferone based fluorescent probe for the detection of nitroreductase. Frontiers of Chemical Science and Engineering, 2018, 12, 311-314. | 4.4 | 13 |
| 31 | Glycosyl squaramides, a new class of supramolecular gelators. Soft Matter, 2020, 16, 7916-7926. | 2.7 | 11 |
| 32 | A long wavelength colourimetric chemosensor for fluoride. Supramolecular Chemistry, 2018, 30, 795-805. | 1.2 | 9 |
| 33 | Coumarin-based fluorescent â€˜ANDâ€™ logic gate probes for the detection of homocysteine and a chosen biological analyte. RSC Advances, 2019, 9, 26425-26428. | 3.6 | 9 |
| 34 | Synthesis of Side-Chain Modified Peptides Using Iterative Solid Phase â€˜Click' Methodology. Australian Journal of Chemistry, 2017, 70, 201. | 0.9 | 8 |
| 35 | Editorial: Host-Guest Chemistry of Macrocycles. Frontiers in Chemistry, 2020, 8, 628200. | 3.6 | 8 |
| 36 | Squaramideâ€Based Selfâ€Associating Amphiphiles for Anion Recognition. ChemPlusChem, 2021, 86, 1058-1068. | 2.8 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Realâ€Time Multiâ€Photon Tracking and Bioimaging of Glycosylated Theranostic Prodrugs upon Specific Enzyme Triggered Release. Chemistry - A European Journal, 2022, 28, . | 3.3 | 6 |
| 38 | Coumarin-based fluorescent probe for the detection of glutathione and nitroreductase. Tetrahedron, 2021, 82, 131890. | 1.9 | 5 |
| 39 | Investigating Structural Property Relationships to Enable Repurposing of Pharmaceuticals as Zinc Ionophores. Pharmaceutics, 2021, 13, 2032. | 4.5 | 3 |
| 40 | Hydroxychloroquine Does Not Function as a Direct Zinc Ionophore. Pharmaceutics, 2022, 14, 899. | 4.5 | 3 |