

Richard C Knighton

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Halotriazolium Axle Functionalised [2]Rotaxanes for Anion Recognition: Investigating the Effects of Halogen-Bond Donor and Preorganisation. <i>Chemistry - A European Journal</i> , 2014, 20, 11740-11749.	3.3	47
2	Lanthanide appended rotaxanes respond to changing chloride concentration. <i>Chemical Science</i> , 2013, 4, 489-493.	7.4	44
3	Axle component separated ion-pair recognition by a neutral heteroditopic [2]rotaxane. <i>Chemical Communications</i> , 2014, 50, 1540-1542.	4.1	37
4	Upconversion in molecular hetero-nonanuclear lanthanide complexes in solution. <i>Chemical Communications</i> , 2021, 57, 53-56.	4.1	36
5	Cooperative Luminescence and Cooperative Sensitisation Upconversion of Lanthanide Complexes in Solution. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	35
6	Fluorogenic dansyl-ligated gold nanoparticles for the detection of sulfur mustard by displacement assay. <i>Chemical Communications</i> , 2013, 49, 2293.	4.1	33
7	A one-step synthesis towards new ligands based on aryl-functionalised thiazolo[5,4-d]thiazole chromophores. <i>Tetrahedron Letters</i> , 2010, 51, 5419-5422.	1.4	30
8	Combining Electronic and Steric Effects To Generate Hindered Propargylic Alcohols in High Enantiomeric Excess. <i>Organic Letters</i> , 2018, 20, 975-978.	4.6	30
9	Synthesis of Enantiomerically Pure and Racemic Benzyl-Tethered Ru(II)/TsDPEN Complexes by Direct Arene Substitution: Further Complexes and Applications. <i>Organometallics</i> , 2018, 37, 48-64.	2.3	22
10	Luminescent Anion Sensing by Transition-Metal Dipyridylbenzene Complexes Incorporated into Acyclic, Macrocyclic and Interlocked Hosts. <i>Chemistry - A European Journal</i> , 2020, 26, 5288-5296.	3.3	21
11	Solution, Solid-State, and Computational Analysis of Agostic Interactions in a Coherent Set of Low-Coordinate Rhodium(III) and Iridium(III) Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 4927-4938.	3.3	19
12	Upconversion in a $[RuYb_3]$ Supramolecular Assembly. <i>Journal of the American Chemical Society</i> , 2022, 144, 13356-13365.	13.7	16
13	Sodium cation-templated synthesis of an ion-pair binding heteroditopic [2]catenane. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2468-2472.	4.5	14
14	Cyclam-Based Chelators Bearing Phosphonated Pyridine Pendants for ^{64}Cu -PET Imaging: Synthesis, Physicochemical Studies, Radiolabeling, and Bioimaging. <i>Inorganic Chemistry</i> , 2021, 60, 2634-2648.	4.0	13
15	Asymmetric transfer hydrogenation of acetophenone derivatives using Δ^2 -benzyl-tethered ruthenium (II)/TsDPEN complexes bearing 1-(p-OR) (R ^A = H, iPr, Bn, Ph) ligands. <i>Journal of Organometallic Chemistry</i> , 2018, 875, 72-79.	1.8	12
16	Formation of Heteropolynuclear Lanthanide Complexes Using Macrocyclic Phosphonated Cyclam-Based Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 10311-10327.	4.0	8
17	Potassium Binding Adjacent to Cationic Transition-Metal Fragments: Unusual Heterobimetallic Adducts of a Calix[4]arene-Based Thione Ligand. <i>Inorganic Chemistry</i> , 2017, 56, 14345-14350.	4.0	7
18	Synthesis and cycloaddition reactions of strained alkynes derived from 2,2-dihydroxy-1,1-biaryls. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8965-8975.	2.8	7

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19	Synthesis, structure and binding properties of a series of dissymmetric resorcin[4]arene-based cavitands. <i>Tetrahedron</i> , 2017, 73, 4591-4596.	1.9	6
20	Investigation of the Supramolecular Assembly of Luminescent Lanthanide Nanoparticles Surface Functionalized by <i>p</i> -Sulfonato-Calix[4]arenes with Charged Aromatic Compounds. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3761-3770.	2.0	5
21	Rotaxane synthesis exploiting the M(i)/M(iii) redox couple. <i>Dalton Transactions</i> , 2017, 46, 11645-11655.	3.3	4
22	Cooperative Luminescence and Cooperative Sensitisation Upconversion of Lanthanide Complexes in Solution. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
23	Synthesis and Reactivity of a Bis-Strained Alkyne Derived from 1,1'-Biphenyl-2,2',6,6'-tetrol. <i>ACS Omega</i> , 2019, 4, 2160-2167.	3.5	3
24	A strained alkyne-containing bipyridine reagent; synthesis, reactivity and fluorescence properties. <i>RSC Advances</i> , 2019, 9, 36154-36161.	3.6	3