

Nicholas G White

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78 papers	2,435 citations	28 h-index	48 g-index
96 ext. papers	2,747 ext. citations	6.4 avg, IF	5.52 L-index

#	Paper	IF	Citations
78	Enhancement of anion recognition exhibited by a halogen-bonding rotaxane host system. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11893-5	16.4	236
77	Fluorescent charge-assisted halogen-bonding macrocyclic halo-imidazolium receptors for anion recognition and sensing in aqueous media. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11533-41	16.4	186
76	A halogen-bonding catenane for anion recognition and sensing. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1876-80	16.4	179
75	Evidence for halogen bond covalency in acyclic and interlocked halogen-bonding receptor anion recognition. <i>Journal of the American Chemical Society</i> , 2015 , 137, 499-507	16.4	173
74	A bidentate halogen-bonding bromoimidazoliophane receptor for bromide ion recognition in aqueous media. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1845-8	16.4	155
73	Enzyme Encapsulation in a Porous Hydrogen-Bonded Organic Framework. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14298-14305	16.4	78
72	Halogen- and hydrogen-bonding triazole-functionalised porphyrin-based receptors for anion recognition. <i>Dalton Transactions</i> , 2013 , 42, 15766-73	4.3	72
71	Room-temperature spin crossover and Langmuir-Blodgett film formation of an iron(II) triazole complex featuring a long alkyl chain substituent: the tail that wags the dog. <i>Chemical Communications</i> , 2010 , 46, 6464-6	5.8	59
70	Triazole- and triazolium-containing porphyrin-cages for optical anion sensing. <i>Dalton Transactions</i> , 2012 , 41, 7092-7	4.3	57
69	Effect of counteranion X on the spin crossover properties of a family of diiron(II) triazole complexes [Fe(II) ₂ (PMAT) ₂](X) ₄ . <i>Inorganic Chemistry</i> , 2011 , 50, 4586-97	5.1	56
68	Iron(II) tris-[N4-substituted-3,5-di(2-pyridyl)-1,2,4-triazole] complexes: structural, magnetic, NMR, and density functional theory studies. <i>Inorganic Chemistry</i> , 2009 , 48, 6670-9	5.1	53
67	A Halogen-Bonding Catenane for Anion Recognition and Sensing. <i>Angewandte Chemie</i> , 2012 , 124, 1912-1916	5.1	48
66	Supramolecular anion recognition in water: synthesis of hydrogen-bonded supramolecular frameworks. <i>Chemical Science</i> , 2017 , 8, 3019-3025	9.4	44
65	A Structural Investigation of Anion-Triazole Interactions: Observation of Pockets and Sandwiches. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 1172-1180	2.3	40
64	Anion binding in aqueous media by a tetra-triazolium macrocycle. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 6951-9	3.9	37
63	A Bidentate Halogen-Bonding Bromoimidazoliophane Receptor for Bromide Ion Recognition in Aqueous Media. <i>Angewandte Chemie</i> , 2011 , 123, 1885-1888	3.6	37
62	Factors influencing tetranuclear [2 x 2] grid vs dinuclear side-by-side structures for silver(I) complexes of pyridazine-based bis-bidentate ligands. <i>Inorganic Chemistry</i> , 2008 , 47, 10729-38	5.1	36

61	Effect of N4-substituent choice on spin crossover in dinuclear iron(II) complexes of bis-terdentate 1,2,4-triazole-based ligands. <i>Inorganic Chemistry</i> , 2013 , 52, 11185-99	5.1	35
60	A catenane host system containing integrated triazole C-H hydrogen bond donors for anion recognition. <i>Chemical Communications</i> , 2012 , 48, 8499-501	5.8	35
59	A ferrocene redox-active triazolium macrocycle that binds and senses chloride. <i>Beilstein Journal of Organic Chemistry</i> , 2012 , 8, 246-52	2.5	34
58	Effect of pressure and light on the spin transition behavior of the dinuclear iron(II) compound [FeII2(PMAT)2](BF4)4·DMF. <i>Applied Physics Letters</i> , 2008 , 92, 174104	3.4	34
57	A 1,2,3,4,5-pentaphenylferrocene-stoppered rotaxane capable of electrochemical anion recognition. <i>Chemistry - A European Journal</i> , 2011 , 17, 12347-54	4.8	32
56	Recognition and applications of anion-anion dimers based on anti-electrostatic hydrogen bonds (AEHBs). <i>Chemical Society Reviews</i> , 2020 , 49, 7893-7906	58.5	31
55	Understanding the forces that govern packing: a density functional theory and structural investigation of anion-anion and nonclassical C-H...anion interactions. <i>Inorganic Chemistry</i> , 2012 , 51, 10334-40	5.1	30
54	Synthesis and Structures of 3,5-disubstituted 1,2,4-triazole Head Units and Incorporation of 3,5-dibenzoyl-1,2,4-triazolate into New [2 + 2] Schiff-Base Macrocyclic Complexes. <i>Supramolecular Chemistry</i> , 2007 , 19, 17-27	1.8	30
53	Molecular Tectonics: A Node-and-Linker Building Block Approach to a Family of Hydrogen-Bonded Frameworks. <i>Chemistry - A European Journal</i> , 2019 , 25, 10006-10012	4.8	29
52	Hysteretic spin crossover in iron(II) complexes of a new pyridine-triazole-pyrazine ligand is tuned by choice of NCE co-ligand. <i>Chemical Communications</i> , 2014 , 50, 1435-7	5.8	29
51	Cation-induced molecular motion of spring-like [2]catenanes. <i>Chemical Science</i> , 2011 , 2, 922	9.4	28
50	A rotaxane host system containing integrated triazole C-H hydrogen bond donors for anion recognition. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 1326-33	3.9	27
49	Towards Langmuir-Blodgett films of magnetically interesting materials: solution equilibria in amphiphilic iron(II) complexes of a triazole-containing ligand. <i>Dalton Transactions</i> , 2010 , 39, 3751-8	4.3	24
48	Solvent Polarity Predictably Tunes Spin Crossover T in Isomeric Iron(II) Pyrimidine Triazoles. <i>Inorganic Chemistry</i> , 2018 , 57, 6266-6282	5.1	24
47	Anion coordination chemistry using O-H groups. <i>Chemical Society Reviews</i> , 2019 , 48, 2596-2614	58.5	23
46	Recent advances in self-assembled amidinium and guanidinium frameworks. <i>Dalton Transactions</i> , 2019 , 48, 7062-7068	4.3	22
45	Anion-templated hexagonal nanotubes. <i>Chemical Science</i> , 2015 , 6, 6245-6249	9.4	22
44	Antielectrostatically hydrogen bonded anion dimers: counter-intuitive, common and consistent. <i>CrystEngComm</i> , 2019 , 21, 4855-4858	3.3	22

43	Halide selective anion recognition by an amide-triazolium axle containing [2]rotaxane. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 4924-31	3.9	21
42	Bis-triazolium containing macrocycles, pseudorotaxanes and interlocked structures for anion recognition. <i>RSC Advances</i> , 2014 , 4, 12133	3.7	19
41	A three dimensional hydrogen bonded organic framework assembled through antielectrostatic hydrogen bonds. <i>Chemical Communications</i> , 2019 , 55, 12020-12023	5.8	19
40	Hydrogen bond-Driven Self-Assembly between Amidinium Cations and Carboxylate Anions: A Combined Molecular Dynamics, NMR Spectroscopy, and Single Crystal X-ray Diffraction Study. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 1587-1597	4.5	18
39	A ferrocene imidazolium-based macrocycle as an electrochemical chemosensor for halide anions. <i>CrystEngComm</i> , 2014 , 16, 3694-3698	3.3	18
38	Jack of all trades: anion and transition metal binding by bis-triazole receptors. <i>Supramolecular Chemistry</i> , 2012 , 24, 473-480	1.8	18
37	The Rich Tautomeric Behavior of Campestarenes. <i>Chemistry - A European Journal</i> , 2016 , 22, 17657-17672	4.8	17
36	Copper(ii)-directed synthesis of neutral heteroditopic [2]rotaxane ion-pair host systems incorporating hydrogen and halogen bonding anion binding cavities. <i>Dalton Transactions</i> , 2017 , 46, 13376-13385	4.3	16
35	Increased halide recognition strength by enhanced intercomponent preorganisation in triazolium containing [2]rotaxanes. <i>Chemistry - A European Journal</i> , 2013 , 19, 17751-65	4.8	16
34	Soluble Tetraaminotriptycene Precursors. <i>Journal of Organic Chemistry</i> , 2015 , 80, 8390-7	4.2	15
33	Tuneable reversible redox of cobalt(iii) carbazole complexes. <i>Dalton Transactions</i> , 2017 , 46, 4696-4710	4.3	14
32	Layered 2D Sheetlike Supramolecular Polymers Formed by OH \cdots Anion Hydrogen Bonds. <i>Crystal Growth and Design</i> , 2015 , 15, 1540-1545	3.5	14
31	Anion and Cation Effects on Anion-Templated Assembly of Tetrahydroxytriptycene. <i>Crystal Growth and Design</i> , 2015 , 15, 5629-5636	3.5	13
30	Observation of strong halogen bonds in the solid state structures of bis-haloimidazolium macrocycles. <i>CrystEngComm</i> , 2014 , 16, 3722-3729	3.3	13
29	Metal organic frameworks from extended, conjugated pentiptycene-based ligands. <i>CrystEngComm</i> , 2015 , 17, 4912-4918	3.3	13
28	Monolayer nanosheets formed by liquid exfoliation of charge-assisted hydrogen-bonded frameworks. <i>Chemical Science</i> , 2021 , 12, 3322-3327	9.4	13
27	Copper-induced N-N bond cleavage results in an octanuclear expanded-core grid-like complex. <i>Chemical Communications</i> , 2012 , 48, 6229-31	5.8	12
26	Supramolecular frameworks based on 5,10,15,20-tetra(4-carboxyphenyl)porphyrins. <i>Dalton Transactions</i> , 2018 , 47, 783-790	4.3	12

25	Structural Study of Triazole and Amide Containing Anion-Templated Pseudorotaxanes. <i>Crystal Growth and Design</i> , 2014 , 14, 3472-3479	3.5	11
24	Investigating the effect of macrocycle size in anion templated imidazolium-based interpenetrated and interlocked assemblies. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 7282-91	3.9	10
23	A Bis-Triazacyclononane Tris-Pyridyl N -Azacryptand "Beer Can" Receptor for Complexation of Alkali Metal and Lead(II) Cations. <i>Chemistry - A European Journal</i> , 2018 , 24, 10434-10442	4.8	9
22	Open Pentiptycene Networks Assembled through Charge-Assisted Hydrogen Bonds. <i>Crystal Growth and Design</i> , 2019 , 19, 4829-4835	3.5	9
21	Mixed halide/oxoanion-templated frameworks. <i>CrystEngComm</i> , 2017 , 19, 2367-2371	3.3	8
20	Anion templated crystal engineering of halogen bonding tripodal tris(halopyridinium) compounds. <i>CrystEngComm</i> , 2020 , 22, 2526-2536	3.3	7
19	Anion Templated Supramolecular Structures Assembled using 1,2,3-Triazole and Triazolium motifs. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 575-587	4.5	5
18	Tuning the tautomeric behavior of tris(salicylaldehydes). <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 8418-8424	3.9	4
17	Shielded alkyl-functionalised rotaxane host cavities for improved anion recognition. <i>Supramolecular Chemistry</i> , 2016 , 28, 62-83	1.8	4
16	Hydrogen Bonding Guests Direct the Packing of a Small Organic Cage Molecule. <i>Crystal Growth and Design</i> , 2019 , 19, 4121-4126	3.5	3
15	Metal acetates form diverse polynuclear complexes with 4-amino-3,5-di(2-pyridyl)-1,2,4-triazole (adpt). <i>Supramolecular Chemistry</i> , 2013 , 25, 806-811	1.8	3
14	Anion-templated 2D frameworks from hexahydroxytriphenylene. <i>CrystEngComm</i> , 2016 , 18, 4281-4284	3.3	3
13	An Investigation of Five Component [3+2] Self-Assembled Cage Formation Using Amidinium ⁺ Carboxylate Hydrogen Bonds*, <i>Australian Journal of Chemistry</i> , 2021 ,	1.2	3
12	New complexation behaviour of the potentially bis-terdentate triazole based ligands PMAT and PMPT : Fe III 4 oxo-bridged metallomacrocycles. <i>Polyhedron</i> , 2016 , 103, 283-287	2.7	2
11	Easily-prepared Hydroxy-containing Receptors Recognize Anions in Aqueous Media. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1271-1277	4.5	2
10	A Rapid and Straightforward Supramolecular Self-Assembly Experiment To Prepare and Characterize a Triple Helicate Complex. <i>Journal of Chemical Education</i> , 2018 , 95, 648-651	2.4	2
9	Coordination Polymers from Functionalized Bipyrimidine Ligands and Silver(I) Salts. <i>Crystal Growth and Design</i> , 2018 , 18, 2210-2216	3.5	2
8	Towards a self-assembled honeycomb structure via diaminotriptycene metal complexes. <i>Dalton Transactions</i> , 2013 , 42, 16474-7	4.3	2

7	Amidinium?carboxylate frameworks: predictable, robust, water-stable hydrogen bonded materials. <i>Chemical Communications</i> , 2021 , 57, 10998-11008	5.8	2
6	What's in an Atom? A Comparison of Carbon and Silicon-Centred Amidinium???Carboxylate Frameworks*. <i>Chemistry - A European Journal</i> , 2021 , 27, 1768-1776	4.8	2
5	Room Temperature Hydrolysis of Benzamidines and Benzamidiniums in Weakly Basic Water. <i>Journal of Organic Chemistry</i> , 2021 , 86, 13762-13767	4.2	2
4	Host-guest interactions of catechol and 4-ethylcatechol with surface-immobilized blue-box molecules. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12713-12722	13	1
3	A new halogen bonding 1,2-iodo-triazolium-triazole benzene motif for anion recognition. <i>Polyhedron</i> , 2021 , 209, 115482	2.7	1
2	Simple acyclic molecules containing a single charge-assisted O-H group can recognize anions in acetonitrile : water mixtures. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 2794-2803	3.9	0
1	Iron-based energy storage materials from carbon dioxide and scrap metal. <i>Materials Advances</i> , 2021 , 2, 292-302	3.3	