

# Graham N Newton

## List of Publications by Year in descending order

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96  
papers

2,894  
citations

159585

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h-index

182427

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106  
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106  
docs citations

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times ranked

2890  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stabilization of Polyoxometalate Charge Carriers via Redox-Driven Nanoconfinement in Single-Walled Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202115619.	13.8	35
2	Stabilization of Polyoxometalate Charge Carriers via Redox-Driven Nanoconfinement in Single-Walled Carbon Nanotubes. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	1
3	Supramolecular assemblies of organo-functionalised hybrid polyoxometalates: from functional building blocks to hierarchical nanomaterials. <i>Chemical Society Reviews</i> , 2022, 51, 293-328.	38.1	103
4	Redox-active hierarchical assemblies of hybrid polyoxometalate nanostructures at carbon surfaces. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1777-1784.	6.0	1
5	A Mixed-Addenda Mo/W Organofunctionalised Hybrid Polyoxometalate. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	2.0	5
6	Electrochemical reactivity of atomic and molecular species under solid-state confinement. <i>Current Opinion in Electrochemistry</i> , 2022, 34, 101014.	4.8	2
7	Molecular redox species for next-generation batteries. <i>Chemical Society Reviews</i> , 2021, 50, 5863-5883.	38.1	53
8	Single-molecule imaging and kinetic analysis of intermolecular polyoxometalate reactions. <i>Chemical Science</i> , 2021, 12, 7377-7387.	7.4	18
9	A ring of grids: a giant spin-crossover cluster. <i>Chemical Communications</i> , 2021, 57, 10162-10165.	4.1	4
10	2021 roadmap on lithium sulfur batteries. <i>JPhys Energy</i> , 2021, 3, 031501.	5.3	74
11	Sustainability of Battery Technologies: Today and Tomorrow. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6507-6509.	6.7	16
12	Organic-Inorganic Hybrid Polyoxotungstates As Configurable Charge Carriers for High Energy Redox Flow Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 8765-8773.	5.1	17
13	Decoupling manufacturing from application in additive manufactured antimicrobial materials. <i>Biomaterials Science</i> , 2021, 9, 5397-5406.	5.4	13
14	Electrochemistry of redox-active molecules confined within narrow carbon nanotubes. <i>Chemical Society Reviews</i> , 2021, 50, 10895-10916.	38.1	20
15	Heteroleptic iron(II) complexes with naphthoquinone-type ligands. <i>Dalton Transactions</i> , 2020, 49, 1485-1491.	3.3	4
16	Functionalization of Carbon Surfaces Tunes the Redox Stability of Polyoxometalate@Carbon Electrodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 12308-12315.	5.1	6
17	Redox-Active Hybrid Polyoxometalate-Stabilised Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14331-14335.	13.8	25
18	Transition metal decorated soft nanomaterials through modular self-assembly of an asymmetric hybrid polyoxometalate. <i>Chemical Communications</i> , 2020, 56, 8237-8240.	4.1	11

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19	A Cooperative Photoactive Class-I Hybrid Polyoxometalate With Benzothiadiazoleâ€“Imidazolium Cations. <i>Frontiers in Chemistry</i> , 2020, 8, 612535.	3.6	3
20	Redoxâ€“Active Hybrid Polyoxometalateâ€“Stabilised Gold Nanoparticles. <i>Angewandte Chemie</i> , 2020, 132, 14437-14441.	2.0	6
21	Oxygen Reduction Pathways in the Li-O <sub>2</sub> Battery: Understanding Solvent-Water Interactions. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 492-492.	0.0	0
22	Physical and Electrochemical Modulation of Polyoxometalate Ionic Liquids via Organic Functionalization. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 456-460.	2.0	12
23	Effects of chain length on the size, stability, and electronic structure of redox-active organicâ€“inorganic hybrid polyoxometalate micelles. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 995-999.	3.4	16
24	Asymmetric Hybrid Polyoxometalates: A Platform for Multifunctional Redoxâ€“Active Nanomaterials. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18281-18285.	13.8	46
25	Asymmetric Hybrid Polyoxometalates: A Platform for Multifunctional Redoxâ€“Active Nanomaterials. <i>Angewandte Chemie</i> , 2019, 131, 18449-18453.	2.0	12
26	Hostâ€“Guest Hybrid Redox Materials Selfâ€“Assembled from Polyoxometalates and Singleâ€“Walled Carbon Nanotubes. <i>Advanced Materials</i> , 2019, 31, e1904182.	21.0	77
27	Substituent dependence on the spin crossover behaviour of mononuclear Fe( <i>II</i> ) complexes with asymmetric tridentate ligands. <i>Dalton Transactions</i> , 2019, 48, 3231-3236.	3.3	9
28	A BrÃ“stedâ€“Ligandâ€“Based Iron Complex as a Molecular Switch with Five Accessible States. <i>Angewandte Chemie</i> , 2019, 131, 5714-5718.	2.0	14
29	Spin crossover behavior of a tetranuclear iron(II) grid complex with a hydroxyl-group functionalized multidentate ligand. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 485, 16-20.	2.3	6
30	A BrÃ“stedâ€“Ligandâ€“Based Iron Complex as a Molecular Switch with Five Accessible States. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5658-5662.	13.8	46
31	Shining a light on the photo-sensitisation of organicâ€“inorganic hybrid polyoxometalates. <i>Dalton Transactions</i> , 2018, 47, 5120-5136.	3.3	66
32	Pre-programmed self-assembly of polynuclear clusters. <i>Dalton Transactions</i> , 2018, 47, 7384-7394.	3.3	29
33	3Dâ€“Printable Photochromic Molecular Materials for Reversible Information Storage. <i>Advanced Materials</i> , 2018, 30, e1800159.	21.0	75
34	Carboxylic Acid Functionalized Spin-Crossover Iron(II) Grids for Tunable Switching and Hybrid Electrode Fabrication. <i>Inorganic Chemistry</i> , 2018, 57, 14013-14017.	4.0	16
35	Two-electron redox-active tricyano iron( <i>II</i> ) complex with 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine as a building block for coordination polymers. <i>Dalton Transactions</i> , 2018, 47, 13402-13407.	3.3	10
36	Post-functionalization of a photoactive hybrid polyoxotungstate. <i>Dalton Transactions</i> , 2018, 47, 10590-10594.	3.3	13

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37	Cobalt complexes with redox-active anthraquinone-type ligands. Dalton Transactions, 2018, 47, 7804-7811.	3.3	9
38	Tuning the electronic structure of organic–inorganic hybrid polyoxometalates: The crucial role of the covalent linkage. Polyhedron, 2018, 154, 1-20.	2.2	43
39	Photochromic Materials: 3D-Printable Photochromic Molecular Materials for Reversible Information Storage (Adv. Mater. 26/2018). Advanced Materials, 2018, 30, 1870193.	21.0	2
40	Polyoxometalate Chemistry in Carbon Nanotubes. ECS Meeting Abstracts, 2018, , .	0.0	0
41	Redox-active organic–inorganic hybrid polyoxometalate micelles. Journal of Materials Chemistry A, 2017, 5, 11577-11581.	10.3	41
42	An Antiferromagnetically Coupled Heterometal Cu <sub>6</sub> Fe Wheel. Chemistry Letters, 2017, 46, 1197-1199.	1.3	2
43	A Multi-Redox Responsive Cyanometalate-Based Metallogel. Chemistry - A European Journal, 2017, 23, 1502-1506.	3.3	52
44	A Simple Approach to the Visible-Light Photoactivation of Molecular Metal Oxides. Inorganic Chemistry, 2017, 56, 12169-12177.	4.0	38
45	Orbital Engineering: Photoactivation of an Organofunctionalized Polyoxotungstate. Chemistry - A European Journal, 2017, 23, 47-50.	3.3	35
46	Synthesis, Crystal Structures and Magnetic Properties of Composites Incorporating an Fe(II) Spin Crossover Complex and Polyoxometalates. Inorganics, 2017, 5, 48.	2.7	8
47	Studies on the Magnetic Ground State of a Spin Möbius Strip. Chemistry - A European Journal, 2016, 22, 14205-14212.	3.3	6
48	Oxalate-bridged heterometallic chains with monocationic dabco derivatives. Dalton Transactions, 2016, 45, 16182-16189.	3.3	3
49	A Cyanide-Bridged Magnetically Switchable Cage with Encapsulated Water Molecules. Inorganic Chemistry, 2016, 55, 12114-12117.	4.0	14
50	Solvent-induced on/off switching of intramolecular electron transfer in a cyanide-bridged trigonal bipyramidal complex. Dalton Transactions, 2016, 45, 17104-17107.	3.3	18
51	Structure and Magnetic Properties of a Sulfate-bridged Tetracosanuclear Manganese Cluster. Chemistry Letters, 2015, 44, 746-748.	1.3	0
52	Syntheses, structures and magnetism of mixed-valence Mn <sub>19</sub> and Mn <sub>21</sub> complexes supported by alkylamine-based alkoxo-bridging ligands. Inorganic Chemistry Frontiers, 2015, 2, 538-543.	6.0	4
53	Pentanuclear and Octanuclear Manganese Helices. European Journal of Inorganic Chemistry, 2015, 2015, 2193-2198.	2.0	11
54	Controlled Reactivity Tuning of Metal-Functionalized Vanadium Oxide Clusters. Chemistry - A European Journal, 2015, 21, 7686-7689.	3.3	53

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55	Planar trinuclear complexes with linear arrays of metal ions. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 125-128.	6.0	6
56	Lability-Controlled Syntheses of Heterometallic Clusters. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2941-2944.	13.8	23
57	Chiral Single-Chain Magnet: Helically Stacked [Mn <sup>III</sup> <sub>2</sub> Cu <sup>II</sup> ] Triangles. <i>Inorganic Chemistry</i> , 2014, 53, 4272-4274.	4.0	29
58	Syntheses, structures and magnetic properties of two-dimensional chiral coordination polymers based on a tetradentate chiral ligand. <i>New Journal of Chemistry</i> , 2014, 38, 1946-1949.	2.8	9
59	Cyanide-Bridged Decanuclear Cobalt-Iron Cage. <i>Inorganic Chemistry</i> , 2014, 53, 5899-5901.	4.0	34
60	Self-assembly of a cobalt octacyanotungstate network into a giant chiral helix. <i>Polyhedron</i> , 2014, 68, 157-163.	2.2	3
61	Programmable spin-state switching in a mixed-valence spin-crossover iron grid. <i>Nature Communications</i> , 2014, 5, 3865.	12.8	178
62	Electrochemical Carbon Dioxide Reduction Catalyzed by a Dinuclear Ruthenium Complex with a Flexible Bridging Ligand. <i>Chemistry Letters</i> , 2014, 43, 1222-1223.	1.3	3
63	Innen-Äcktitelbild: Lability-Controlled Syntheses of Heterometallic Clusters ( <i>Angew. Chem.</i> 11/2014). <i>Angewandte Chemie</i> , 2014, 126, 3093-3093.	2.0	0
64	Multiredox Active [3 Å– 3] Copper Grids. <i>Inorganic Chemistry</i> , 2013, 52, 9714-9716.	4.0	30
65	X-ray Magnetic Circular Dichroism Investigation of the Electron Transfer Phenomena Responsible for Magnetic Switching in a Cyanide-Bridged [CoFe] Chain. <i>Inorganic Chemistry</i> , 2013, 52, 13956-13962.	4.0	23
66	Triple-stranded ferric helices: a $\pi$ - $\pi$ interaction-driven structural hierarchy of Fe <sub>5</sub> , Fe <sub>7</sub> , and Fe <sub>17</sub> clusters. <i>Dalton Transactions</i> , 2013, 42, 16185.	3.3	26
67	Synthesis and characterisation of a lanthanide-capped dodecavanadate cage. <i>Chemical Communications</i> , 2013, 49, 3395.	4.1	39
68	Stepwise replacement of nickel with cobalt ions in a [Ni <sub>6</sub> ] cluster. <i>Dalton Transactions</i> , 2013, 42, 6701.	3.3	9
69	Dimerized Spin-Crossover Iron(II) Complexes as Supramolecular Anion Capsules. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 781-787.	2.0	9
70	[M <sub>6</sub> M <sup>2+</sup> <sub>4</sub> ] Cage Compounds with Chiral Bidentate Ligands. <i>Macromolecular Symposia</i> , 2012, 317-318, 286-292.	0.7	6
71	Linking Magnetic Clusters: Ferrimagnetic Interactions in a Nonanuclear Nickel(II) Cluster. <i>Chemistry Letters</i> , 2012, 41, 691-692.	1.3	3
72	A rectangular Ni-Fe cluster with unusual cyanide bridges. <i>Dalton Transactions</i> , 2012, 41, 11270.	3.3	4

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73	Encapsulation controlled single molecule magnetism in tetrathiafulvalene-capped cyanide-bridged cubes. Dalton Transactions, 2012, 41, 13601.	3.3	25
74	Three-way switching in a cyanide-bridged [CoFe] chain. Nature Chemistry, 2012, 4, 921-926.	13.6	288
75	An antiferromagnetic {Mn <sub>8</sub> } ring supported by planar multidentate ligands. Science China Chemistry, 2012, 55, 973-977.	8.2	2
76	Cyanide-bridged Molecular Squares – The Building Units of Prussian Blue. European Journal of Inorganic Chemistry, 2011, 2011, 3031-3042.	2.0	116
77	Mapping the Sequential Self-Assembly of Heterometallic Clusters: From a Helix to a Grid. Angewandte Chemie - International Edition, 2011, 50, 4844-4848.	13.8	63
78	Redox-Controlled Magnetic {Mn <sub>13</sub> } Keggin Systems. Angewandte Chemie - International Edition, 2011, 50, 5716-5720.	13.8	51
79	Cover Picture: Redox-Controlled Magnetic {Mn <sub>13</sub> } Keggin Systems (Angew. Chem. Int. Ed. 25/2011). Angewandte Chemie - International Edition, 2011, 50, 5587-5587.	13.8	0
80	A series of tetranuclear [2 × 2] grid complexes derived from an asymmetric ligand: Structural differences based on metal ion affinities. Pure and Applied Chemistry, 2011, 83, 1721-1729.	1.9	2
81	Supramolecular Architectures of Copper(II) Perchlorate Complexes of cis,trans-1,3,5-Triaminocyclohexane Assembled Exploiting the Delicate Balance Between Weak and Strong Interactions. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 304-310.	0.7	1
82	Heat Capacity Reveals the Physics of a Frustrated Spin Tube. Physical Review Letters, 2010, 105, 037206.	7.8	45
83	Contrasting Magnetism of [Mn <sup>III</sup> <sub>4</sub> ] and [Mn <sup>II</sup> <sub>2</sub> Mn <sup>III</sup> <sub>2</sub> ] Squares. Inorganic Chemistry, 2010, 49, 368-370.	4.0	30
84	Ferromagnetically coupled chiral cyanide-bridged {Ni <sub>6</sub> Fe <sub>4</sub> } cages. Dalton Transactions, 2010, 39, 4730.	3.3	39
85	Following the self assembly of supramolecular MOFs using X-ray crystallography and cryospray mass spectrometry. Chemical Science, 2010, 1, 62.	7.4	48
86	Monitoring the Formation of Coordination Complexes Using Electrospray Mass Spectrometry. Chemistry - an Asian Journal, 2009, 4, 681-687.	3.3	11
87	Cobalt Antiferromagnetic Ring and Grid Single-Molecule Magnet. Chemistry - an Asian Journal, 2009, 4, 1660-1663.	3.3	43
88	Exploring a Series of Isostructural Dodecanuclear Mixed Ni:Co Clusters: Toward the Control of Elemental Composition Using pH and Stoichiometry. Inorganic Chemistry, 2009, 48, 1097-1104.	4.0	32
89	Undecanuclear mixed-valence 3d-4f bimetallic clusters. Chemical Communications, 2009, , 3568.	4.1	69
90	cis-Tach based pentadecadentate ligands as building blocks in the synthesis of Fe <sup>III</sup> and Pd <sup>II</sup> coordination clusters. Dalton Transactions, 2009, , 1549.	3.3	5

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91	Supramolecular Metal Oxides: Programmed Hierarchical Assembly of a Proteinâ€Sized 21â€kDa [(C<sub>16</sub>H<sub>36</sub>N)<sub>19</sub>{H<sub>2</sub>NC(CH<sub>2</sub>O)<sub>3</sub>P<sub>2</sub>}] <sub>3</sub> Polyoxometalate Assembly. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4388-4391.	13.8	108
92	Chemistry and supramolecular chemistry of chromium horseshoes. <i>Chemical Communications</i> , 2008, , 1560.	4.1	22
93	Trading Templates:â€ Supramolecular Transformations between {Coll13} and {Coll12} Nanoclusters. <i>Journal of the American Chemical Society</i> , 2008, 130, 790-791.	13.7	75
94	Structural and Compositional Control in {M12} Cobalt and Nickel Coordination Clusters Detected Magnetochemically and with Cryospray Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1340-1344.	13.8	84
95	Synthetic, structural and magnetic characterisation of a one-dimensional nickel chain constructed using cis,trans-1,3,5-triaminocyclohexane as a building block. <i>Journal of Molecular Structure</i> , 2006, 796, 23-27.	3.6	6
96	Charge Carriers for Next-Generation Redox Flow Batteries. , 0, , .		0