

Associaç o prof Martin R Johnston

List of Publications by Year in descending order

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all docs

92
docs citations

92
times ranked

2582
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of the keto tautomer of d-fructose in D2O using 1H NMR spectroscopy. Carbohydrate Research, 2012, 347, 136-141.	2.3	132
2	Self-Assembling Porphyrin [2]-Catenanes. Journal of the American Chemical Society, 1994, 116, 4810-4823.	13.7	123
3	Chemical analysis of four capsules containing the controlled substance analogues 4-methylmethcathinone, 2-fluoromethamphetamine, \pm -phthalimidopropiophenone and N-ethylcathinone. Forensic Science International, 2010, 197, 59-66.	2.2	96
4	Ruthenium Porphyrin Functionalized Single-Walled Carbon Nanotube Arrays – A Step Toward Light Harvesting Antenna and Multibit Information Storage. Journal of the American Chemical Society, 2008, 130, 8788-8796.	13.7	93
5	Direct attachment of well-aligned single-walled carbon nanotube architectures to silicon (100) surfaces: a simple approach for device assembly. Physical Chemistry Chemical Physics, 2007, 9, 510-520.	2.8	78
6	Polysulfides made from re-purposed waste are sustainable materials for removing iron from water. RSC Advances, 2018, 8, 1232-1236.	3.6	74
7	Characterization of a Porphyrin-Containing Dye-Sensitized Solar Cell. Journal of Physical Chemistry B, 2004, 108, 12962-12971.	2.6	69
8	Analysis of the hydrolysis of inulin using real time 1H NMR spectroscopy. Carbohydrate Research, 2012, 352, 117-125.	2.3	68
9	Photoinduced Electron Transfer in Bisporphyrin Diimide Complexes. Chemistry - A European Journal, 2002, 8, 3938-3947.	3.3	63
10	Photoinduced Electron Transfer between the Interlocked Components of Porphyrin Catenanes: Effect of the Presence of Nonequivalent Reduction Sites on the Charge Recombination Rate. Chemistry - A European Journal, 2003, 9, 2649-2659.	3.3	61
11	Synthesis, Structure, and Biological Applications of Fluorinated Amino Acids and Derivatives. Chemistry and Biodiversity, 2012, 9, 2410-2441.	2.1	57
12	Electron-transfer characteristics of ferrocene attached to single-walled carbon nanotubes (SWCNT) arrays directly anchored to silicon(100). Electrochimica Acta, 2007, 52, 6206-6211.	5.2	56
13	Morphine Glucuronidation and Glucosidation Represent Complementary Metabolic Pathways That Are Both Catalyzed by UDP-Glucuronosyltransferase 2B7: Kinetic, Inhibition, and Molecular Modeling Studies. Journal of Pharmacology and Experimental Therapeutics, 2014, 349, 126-137.	2.5	55
14	Purified Brominated Indole Derivatives from <i>Dicathais orbita</i> Induce Apoptosis and Cell Cycle Arrest in Colorectal Cancer Cell Lines. Marine Drugs, 2013, 11, 3802-3822.	4.6	40
15	Mechanistic Insights into the Luminescent Sensing of Organophosphorus Chemical Warfare Agents and Simulants Using Trivalent Lanthanide Complexes. Chemistry - A European Journal, 2015, 21, 6328-6338.	3.3	40
16	Photoinduced electron transfer in a non-covalently linked donor-acceptor system: a bis-porphyrinic host and a naphthalene diimide guest. New Journal of Chemistry, 2001, 25, 1368-1370.	2.8	38
17	A Review of the Classification of Opal with Reference to Recent New Localities. Minerals (Basel), 2014, 4, 107-114.	2.0	37
18	Photoinduced electron transfer in supramolecular assemblies of transition metal complexes. Coordination Chemistry Reviews, 1998, 171, 261-285.	18.8	34

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19	Porphyrin-Containing Molecular Capsules: Metal Mediated Dimerization of a Bis-Porphyrin Cavity. <i>Organic Letters</i> , 2002, 4, 2165-2168.	4.6	33
20	Templated formation of multi-porphyrin assemblies resembling a molecular universal joint. <i>Chemical Communications</i> , 1998, , 2739-2740.	4.1	32
21	VX and VG chemical warfare agents bidentate complexation with lanthanide ions. <i>Chemical Communications</i> , 2014, 50, 195-197.	4.1	31
22	Synthesis and modelling of novel rigid rods derived from a simple pentacyclic bis-norbornene [1]. <i>Tetrahedron Letters</i> , 1998, 39, 5277-5280.	1.4	30
23	Porphyrin-based molecular tweezers as a receptor for bipyridinium guests. <i>Tetrahedron Letters</i> , 1992, 33, 1771-1774.	1.4	27
24	Diastereoselective Synthesis of Aliphatic $\hat{\pm}$ -Difluoro- $\hat{2}^{3}$ -Amino Esters via a Sonocatalyzed Reformatsky Reaction. <i>Organic Letters</i> , 2012, 14, 182-185.	4.6	26
25	A porphyrin-based crown ether co-receptor for the complexation of paraquat. <i>Tetrahedron Letters</i> , 1990, 31, 4801-4804.	1.4	25
26	An unusual energy transfer process from free-base porphyrin guests to a zinc porphyrin host in self-assembled systems. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 190-197.	2.9	25
27	Capsules, Cages and Three-dimensional Hosts: Self-assembly of Complementary Monomers. <i>Supramolecular Chemistry</i> , 2005, 17, 595-607.	1.2	25
28	Enantioselective Synthesis of $\hat{\pm}$ -Fluoro- $\hat{2}^{3}$ -amino Esters: Synthesis of Enantiopure, Orthogonally Protected $\hat{\pm}$ -Fluoro- $\hat{2}^{3}$ -lysine. <i>Journal of Organic Chemistry</i> , 2010, 75, 7365-7372.	3.2	25
29	Interactions of the G-series organophosphorus chemical warfare agent sarin and various simulants with luminescent lanthanide complexes. <i>RSC Advances</i> , 2014, 4, 55524-55528.	3.6	24
30	A building BLOCK approach to bis-porphyrin cavity systems with convergent and divergent wall orientations. <i>Tetrahedron</i> , 2002, 58, 3445-3451.	1.9	23
31	Mass spectrometry imaging reveals new biological roles for choline esters and Tyrian purple precursors in muricid molluscs. <i>Scientific Reports</i> , 2015, 5, 13408.	3.3	23
32	Probing the dimensions of semi-rigid inner functionalised U-shaped bis-porphyrin cavities. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2253.	2.8	22
33	Photoinduced electron transfer in paraquat inclusion complexes of porphyrin-based receptors. <i>New Journal of Chemistry</i> , 2003, 27, 551-559.	2.8	21
34	Tandem [4+2]/[3+2] Cycloadditions of 1,3,4-Oxadiazoles with Alkenes. <i>Mini-Reviews in Organic Chemistry</i> , 2011, 8, 49-65.	1.3	21
35	Supramolecular Agent-Simulant Correlations for the Luminescence Based Detection of V-Series Chemical Warfare Agents with Trivalent Lanthanide Complexes. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1348-1358.	2.0	21
36	Preparation of New Porphyrin blocks and their Application to the Synthesis of Spacer and Cavity Ribbon Structures. <i>Synlett</i> , 1998, 1998, 593-595.	1.8	20

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37	New Porphyrin 4i€-Cycloaddition Reagents and Their Use in the Preparation of Porphyrin-(RigidÂSpacer)-1,10-Phenanthrolines in Which Geometric â€œTuningâ€ of the Chromophores Is a Feature. <i>Journal of Organic Chemistry</i> , 1999, 64, 4218-4219.	3.2	19
38	In-Line Proximity Effects in Extended 7-Azanorbornanes. 1. A New Concept for Modifying Effector Group Separation Based on the Control ofN-Invertomer Geometry. <i>Organic Letters</i> , 2000, 2, 721-724.	4.6	19
39	Bis-porphyrinic clamp for photo- and electro-active guests: a spectroscopic and photophysical study. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 4488-4494.	2.8	19
40	Scanning Tunneling Microscopy and Orbital-Mediated Tunneling Spectroscopy Study of 1,5-Di(octyloxy)anthracene Adsorbed on Highly Ordered Pyrolytic Graphite from Various Solvents and in Different Environments. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7735-7740.	3.1	19
41	SERS and NMR Studies of Typical Aggregation-Induced Emission Molecules. <i>Journal of Physical Chemistry A</i> , 2015, 119, 8049-8054.	2.5	19
42	Use of a 9,10-Dihydrofulvalene Pincer Cycloadduct as a Cornerstone for Molecular Architecture. <i>Australian Journal of Chemistry</i> , 2006, 59, 899.	0.9	17
43	In-Line Proximity Effects in Extended 7-Azanorbornanes. 2. A Major Reduction ofN-Inversion Barriers in Symmetrically Flanked Systems. <i>Organic Letters</i> , 2000, 2, 725-728.	4.6	16
44	Direct Synthesis of Rigid Ligand-Bridged Homo- and Heterodinuclear Complexes via Stereoselective 1,3-Dipolar Coupling of Mononuclear Ruthenium(II) and Osmium(II) Precursors. <i>Inorganic Chemistry</i> , 1999, 38, 4906-4909.	4.0	15
45	The Synthesis and Characterisation of a Freeâ€Base Porphyrinâ€Perylene Dyad that Exhibits Electronic Coupling in Both the Ground and Excited States. <i>Chemistry - A European Journal</i> , 2009, 15, 248-253.	3.3	15
46	Procyanidin oligomers. A new method for 4â†’8 interflavan bond formation using C8-boronic acids and iterative oligomer synthesis through a boron-protection strategy. <i>Tetrahedron</i> , 2012, 68, 340-348.	1.9	15
47	Ranking Oxidant Sensitiveness: A Guide for Synthetic Utility. <i>Chemistry - A European Journal</i> , 2019, 25, 9614-9618.	3.3	15
48	Scanning Tunneling Microscopy and Orbital-Mediated Tunneling Spectroscopy of <i>N</i>, <i>N</i>-â€²-Dioctyl-1,8:4,5-naphthalenediimide Adsorbed on Highly Ordered Pyrolytic Graphite from Various Solvents and in Different Environments. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14907-14912.	3.1	14
49	An investigation into artefacts formed during gas chromatography/mass spectrometry analysis of firearms propellant that contains diphenylamine as the stabiliser. <i>Forensic Science International</i> , 2017, 279, 140-147.	2.2	14
50	²⁹ Si{ ¹ H} CP-MAS NMR comparison and ATR-FTIR spectroscopic analysis of the diatoms <i>Chaetoceros muelleri</i> and <i>Thalassiosira pseudonana</i> grown at different salinities. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3359-3365.	3.7	13
51	The debromination route to norbornadienomaleimides and 7-oxanorbornadienomaleimides: Study of cycloaddition specificities with cyclic dienes.. <i>Tetrahedron Letters</i> , 1995, 36, 7753-7756.	1.4	12
52	Direct Formation of Î±-Dione blocks from o-Benzoquinone Cycloadditions and their Value in the Synthesis of Fused Quinoxalines, 1,10-Phenanthrolines and Pteridines. <i>Synlett</i> , 1998, 1998, 590-592.	1.8	11
53	Stereochemical Analysis of Methorphan Using (âˆ)â€Menthyl Chloroformate. <i>Journal of Forensic Sciences</i> , 2012, 57, 1549-1555.	1.6	11
54	Molecular Tweezers with Freely Rotating Linker and Porphyrin Moieties. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2985-2993.	2.4	11

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55	Effect of Modification Protocols on the Effectiveness of Gold Nanoparticles as Drug Delivery Vehicles for Killing of Breast Cancer Cells. <i>Australian Journal of Chemistry</i> , 2016, 69, 1402.	0.9	11
56	Molecular tweezers with a rotationally restricted linker and freely rotating porphyrin moieties. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6206-6223.	2.8	11
57	High-level Computational Study of the Site-, Facial- and Stereoselectivities for the Diels-Alder Reaction Between o-Benzoquinone and Norbornadiene. <i>Molecules</i> , 2000, 5, 1417-1428.	3.8	10
58	Bis-Porphyrin Racks with Space-Separated Co-Planar Porphyrin Rings. <i>Molecules</i> , 2001, 6, 406-416.	3.8	10
59	Position-Addressable Nano-Scaffolds. II. The Introduction of One, Two, or Three Addressable Succinimide Linkage Points onto the Under-Surface of a "Southern" Cavity Bis-Porphyrins. <i>Australian Journal of Chemistry</i> , 2003, 56, 269.	0.9	10
60	The synthesis and investigation of impurities found in Clandestine Laboratories: Baeyer-Villiger Route Part I; Synthesis of P2P from benzaldehyde and methyl ethyl ketone. <i>Forensic Science International</i> , 2016, 263, 55-66.	2.2	10
61	Synthesis and Complexation Studies of a Convex Bis-porphyrin Tweezer—A Molecular Capsule Precursor. <i>Supramolecular Chemistry</i> , 2005, 17, 503-511.	1.2	9
62	Current Chemistry: Bisporphyrin Cavities: from Guest Complexation to Molecular Capsule Formation. <i>Australian Journal of Chemistry</i> , 2001, 54, 633.	0.9	9
63	Reaction of Sulfur and Sustainable Algae Oil for Polymer Synthesis and Enrichment of Saturated Triglycerides. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9022-9028.	6.7	9
64	Characterization of porphyrin supramolecular complexes using NMR diffusion spectroscopy. <i>Journal of Porphyrins and Phthalocyanines</i> , 2002, 06, 757-762.	0.8	8
65	Tetra-porphyrin molecular tweezers: two binding sites linked via a polycyclic scaffold and rotating phenyl diimide core. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8707-8720.	2.8	8
66	Novel Grafting onto Silica via Aldehyde Functionality. <i>Silicon</i> , 2009, 1, 29-36.	3.3	6
67	Functionalised silica/epoxy nanocomposites with enhanced fracture toughness for large-scale applications. <i>Journal of Composite Materials</i> , 2015, 49, 1439-1447.	2.4	6
68	A phlorotannin isolated from <i>Ecklonia radiata</i> , Dibenzodioxin-fucodiphloroethol, inhibits neurotoxicity and aggregation of A β -amyloid. <i>Phytomedicine Plus</i> , 2021, 1, 100125.	2.0	6
69	Insights into the complexation of N-Allyl-4-(4-(N-phenylureido)benzylamino)-1,8-naphthalimide with various anions. <i>Scientific Reports</i> , 2017, 7, 2512.	3.3	5
70	The synthesis and investigation of impurities found in clandestine laboratories: Baeyer-Villiger route part II; synthesis of Phenyl-2-propanone (P2P) analogues from substituted benzaldehydes. <i>Forensic Chemistry</i> , 2018, 9, 1-11.	2.8	4
71	Diatoms response to salinity changes: investigations using single pulse and cross polarisation magic angle spinning ^{29}Si NMR spectra. <i>Analyst</i> , The, 2018, 143, 4930-4935.	3.5	4
72	Scanning tunneling microscopy investigation of nonanuclear [3 Å— 3] MnII-supramolecular grids. <i>Smart Materials and Structures</i> , 2006, 15, S171-S177.	3.5	3

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73	Efficient access to Unsymmetrically 3-Substituted-1,10-Phenanthrolines via Microwave Assisted Friedl�nder Condensation with Aldehydes.. ChemistrySelect, 2016, 1, 6434-6437.	1.5	3
74	Impurity profiling of methamphetamine synthesised from �-phenylacetonitrile (APAAN). Drug Testing and Analysis, 2022, 14, 56-71.	2.6	3
75	²⁹ Si Solid-State NMR Analysis of Opal-AG, Opal-AN and Opal-CT: Single Pulse Spectroscopy and Spin-Lattice T1 Relaxometry. Minerals (Basel, Switzerland), 2022, 12, 323.	2.0	3
76	Photoinduced Electron Transfer in Bisporphyrin�Diimide Complexes. Chemistry - A European Journal, 2002, 8, 4829-4829.	3.3	2
77	Preparation, characterization and electrochemistry of carbon nanotubes directly attached to Si(100) surfaces. , 2006, , .		2
78	Detailed investigations into the Akabori�Momotani reaction for the synthesis of amphetamine type stimulants: Part 2. Forensic Science International, 2018, 287, 207-216.	2.2	2
79	A Tetra�Porphyrin Host Exhibiting Interannular Cooperativity. Chemistry - A European Journal, 2019, 25, 13037-13043.	3.3	2
80	Origins of N-formylmethamphetamine and N-acetylmethamphetamine in methamphetamine produced by the hydriodic acid and red phosphorus reduction of pseudoephedrine. Forensic Chemistry, 2019, 13, 100158.	2.8	2
81	Mixed assembly of ferrocene/porphyrin onto carbon nanotube arrays towards multibit information storage. , 2008, , .		1
82	Surface mounted porphyrin-nanotube arrays: Towards energy-harvesting surfaces. , 2008, , .		1
83	The Synthesis of Enantiopure �-Fluoro and �,�-Difluoro-� ¹³ C-Arginine Derivatives. Australian Journal of Chemistry, 2014, 67, 997.	0.9	1
84	Impurity profiling of methamphetamine synthesized from methyl �-acetylphenylacetate. Drug Testing and Analysis, 2022, , .	2.6	1
85	Optical properties of covalently anchored single-walled carbon nanotube arrays on silicon (100) surfaces. , 2006, 6415, 36.		0
86	Multistep photoinduced electron transfer processes in a self-assembled ternary array - Towards precise nanofabrication of efficient organic solar cells. , 2008, , .		0
87	A temperature switchable pyridyl-zinc(II) side arm porphyrin with functionality for surface immobilisation. Journal of Porphyrins and Phthalocyanines, 2021, 25, 866-877.	0.8	0