

Associaç prof Martin R Johnston

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9260138/publications.pdf>

Version: 2024-02-01

87
papers

2,104
citations

236925

25
h-index

265206

42
g-index

92
all docs

92
docs citations

92
times ranked

2582
citing authors

#	ARTICLE	IF	CITATIONS
1	Impurity profiling of methamphetamine synthesised from $\hat{\text{I}}\hat{\text{e}}\hat{\text{p}}$ henylacetonitrile (APAAN). Drug Testing and Analysis, 2022, 14, 56-71.	2.6	3
2	^{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
3	Impurity profiling of methamphetamine synthesized from methyl $\hat{\text{I}}\hat{\text{e}}\hat{\text{p}}$ acetylphenylacetate. Drug Testing and Analysis, 2022, , .	2.6	1
4	Reaction of Sulfur and Sustainable Algae Oil for Polymer Synthesis and Enrichment of Saturated Triglycerides. ACS Sustainable Chemistry and Engineering, 2022, 10, 9022-9028.	6.7	9
5	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
6	A phlorotannin isolated from Ecklonia radiata, Dibenzodioxin-fucodiphloroethol, inhibits neurotoxicity and aggregation of $\hat{\text{I}}^2$ -amyloid. Phytomedicine Plus, 2021, 1, 100125.	2.0	6
7	A Tetra $\hat{\text{e}}$ porphyrin Host Exhibiting Interannular Cooperativity. Chemistry - A European Journal, 2019, 25, 13037-13043.	3.3	2
8	A Review of the Classification of Opal with Reference to Recent New Localities. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	2.0	37
9	Ranking Oxidant Sensitiveness: A Guide for Synthetic Utility. Chemistry - A European Journal, 2019, 25, 9614-9618.	3.3	15
10	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
11	Detailed investigations into the Akabori $\hat{\text{e}}$ “Momotani reaction for the synthesis of amphetamine type stimulants: Part 2. Forensic Science International, 2018, 287, 207-216.	2.2	2
12	Polysulfides made from re-purposed waste are sustainable materials for removing iron from water. RSC Advances, 2018, 8, 1232-1236.	3.6	74
13	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. Forensic Chemistry, 2018, 9, 1-11.	2.8	4
14	Diatoms response to salinity changes: investigations using single pulse and cross polarisation magic angle spinning $\hat{\text{I}}^2\text{Si}$ NMR spectra. Analyst, The, 2018, 143, 4930-4935.	3.5	4
15	Molecular tweezers with a rotationally restricted linker and freely rotating porphyrin moieties. Organic and Biomolecular Chemistry, 2018, 16, 6206-6223.	2.8	11
16	An investigation into artefacts formed during gas chromatography/mass spectrometry analysis of firearms propellant that contains diphenylamine as the stabiliser. Forensic Science International, 2017, 279, 140-147.	2.2	14
17	Insights into the complexation of N-Allyl-4-(4-(N-phenylureido)benzylamino)-1,8-naphthalimide with various anions. Scientific Reports, 2017, 7, 2512.	3.3	5
18	Efficient access to Unsymmetrically 3-Substituted-1,10-Phenanthrolines via Microwave Assisted FriedlÄnder Condensation with Aldehydes.. ChemistrySelect, 2016, 1, 6434-6437.	1.5	3

#	ARTICLE	IF	CITATIONS
19	Effect of Modification Protocols on the Effectiveness of Gold Nanoparticles as Drug Delivery Vehicles for Killing of Breast Cancer Cells. Australian Journal of Chemistry, 2016, 69, 1402.	0.9	11
20	Tetra-porphyrin molecular tweezers: two binding sites linked via a polycyclic scaffold and rotating phenyl diimide core. Organic and Biomolecular Chemistry, 2016, 14, 8707-8720.	2.8	8
21	Supramolecular Agent-Simulant Correlations for the Luminescence Based Detection of Series Chemical Warfare Agents with Trivalent Lanthanide Complexes. European Journal of Inorganic Chemistry, 2016, 2016, 1348-1358.	2.0	21
22	The synthesis and investigation of impurities found in Clandestine Laboratories: Baeyer-Villiger Route Part I; Synthesis of P2P from benzaldehyde and methyl ethyl ketone. Forensic Science International, 2016, 263, 55-66.	2.2	10
23	Mass spectrometry imaging reveals new biological roles for choline esters and Tyrian purple precursors in muricid molluscs. Scientific Reports, 2015, 5, 13408.	3.3	23
24	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
25	SERS and NMR Studies of Typical Aggregation-Induced Emission Molecules. Journal of Physical Chemistry A, 2015, 119, 8049-8054.	2.5	19
26	Functionalised silica/epoxy nanocomposites with enhanced fracture toughness for large-scale applications. Journal of Composite Materials, 2015, 49, 1439-1447.	2.4	6
27	Interactions of the G-series organophosphorus chemical warfare agent sarin and various simulants with luminescent lanthanide complexes. RSC Advances, 2014, 4, 55524-55528.	3.6	24
28	The Synthesis of Enantiopure $\hat{1}\pm$ -Fluoro and $\hat{1}\pm, \hat{1}\pm$ -Difluoro- $\hat{1}^2$ -Arginine Derivatives. Australian Journal of Chemistry, 2014, 67, 997.	0.9	1
29	VX and VG chemical warfare agents bidentate complexation with lanthanide ions. Chemical Communications, 2014, 50, 195-197.	4.1	31
30	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
31	$^{29}\text{Si}\{^1\text{H}\}$ CP-MAS NMR comparison and ATR-FTIR spectroscopic analysis of the diatoms Chaetoceros muelleri and Thalassiosira pseudonana grown at different salinities. Analytical and Bioanalytical Chemistry, 2013, 405, 3359-3365.	3.7	13
32	Molecular Tweezers with Freely Rotating Linker and Porphyrin Moieties. European Journal of Organic Chemistry, 2013, 2013, 2985-2993.	2.4	11
33	Purified Brominated Indole Derivatives from Dicathais orbita Induce Apoptosis and Cell Cycle Arrest in Colorectal Cancer Cell Lines. Marine Drugs, 2013, 11, 3802-3822.	4.6	40
34	Synthesis, Structure, and Biological Applications of $\hat{1}\pm$ -Fluorinated $\hat{1}^2$ -Amino Acids and Derivatives. Chemistry and Biodiversity, 2012, 9, 2410-2441.	2.1	57
35	Diastereoselective Synthesis of Aliphatic $\hat{1}\pm, \hat{1}\pm$ -Difluoro- $\hat{1}^2$ -Amino Esters via a Sonocatalyzed Reformatsky Reaction. Organic Letters, 2012, 14, 182-185.	4.6	26
36	Observation of the keto tautomer of d-fructose in D2O using ^1H NMR spectroscopy. Carbohydrate Research, 2012, 347, 136-141.	2.3	132

#	ARTICLE	IF	CITATIONS
37	Analysis of the hydrolysis of inulin using real time 1H NMR spectroscopy. Carbohydrate Research, 2012, 352, 117-125.	2.3	68
38	Stereochemical Analysis of Methorphan Using (âˆ-)â€Menthyl Chloroformate. Journal of Forensic Sciences, 2012, 57, 1549-1555.	1.6	11
39	Procyanidin oligomers. A new method for 4â†’8 interflavan bond formation using C8-boronic acids and iterative oligomer synthesis through a boron-protection strategy. Tetrahedron, 2012, 68, 340-348.	1.9	15
40	Tandem [4+2]/[3+2] Cycloadditions of 1,3,4-Oxadiazoles with Alkenes. Mini-Reviews in Organic Chemistry, 2011, 8, 49-65.	1.3	21
41	Chemical analysis of four capsules containing the controlled substance analogues 4-methylmethcathinone, 2-fluoromethamphetamine, 1±-phthalimidopropiophenone and N-ethylcathinone. Forensic Science International, 2010, 197, 59-66.	2.2	96
42	Enantioselective Synthesis of 1±-Fluoro-1 ² -amino Esters: Synthesis of Enantiopure, Orthogonally Protected 1±-Fluoro-1 ² -lysine. Journal of Organic Chemistry, 2010, 75, 7365-7372.	3.2	25
43	The Synthesis and Characterisation of a Freeâ€Base Porphyrinâ€Perylene Dyad that Exhibits Electronic Coupling in Both the Ground and Excited States. Chemistry - A European Journal, 2009, 15, 248-253.	3.3	15
44	Novel Grafting onto Silica via Aldehyde Functionality. Silicon, 2009, 1, 29-36.	3.3	6
45	Mixed assembly of ferrocene/porphyrin onto carbon nanotube arrays towards multibit information storage. , 2008, , .		1
46	Ruthenium Porphyrin Functionalized Single-Walled Carbon Nanotube Arraysâ€”A Step Toward Light Harvesting Antenna and Multibit Information Storage. Journal of the American Chemical Society, 2008, 130, 8788-8796.	13.7	93
47	Surface mounted porphyrin-nanotube arrays: Towards energy-harvesting surfaces. , 2008, , .		1
48	Multistep photoinduced electron transfer processes in a self-assembled ternary array - Towards precise nanofabrication of efficient organic solar cells. , 2008, , .		0
49	Scanning Tunneling Microscopy and Orbital-Mediated Tunneling Spectroscopy of <i>N,N</i> -Dioctyl-1,8:4,5-naphthalenediimide Adsorbed on Highly Ordered Pyrolytic Graphite from Various Solvents and in Different Environments. Journal of Physical Chemistry C, 2008, 112, 14907-14912.	3.1	14
50	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
51	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. Journal of Physical Chemistry C, 2007, 111, 7735-7740.	3.1	19
52	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
53	Preparation, characterization and electrochemistry of carbon nanotubes directly attached to Si(100) surfaces. , 2006, , .		2
54	Probing the dimensions of semi-rigid inner functionalised U-shaped bis-porphyrin cavities. Organic and Biomolecular Chemistry, 2006, 4, 2253.	2.8	22

#	ARTICLE	IF	CITATIONS
55	Use of a 9,10-Dihydrofulvalene Pincer Cycloadduct as a Cornerstone for Molecular Architecture. Australian Journal of Chemistry, 2006, 59, 899.	0.9	17
56	Optical properties of covalently anchored single-walled carbon nanotube arrays on silicon (100) surfaces. , 2006, 6415, 36.		0
57	Scanning tunneling microscopy investigation of nonanuclear [3 Å– 3] MnII-supramolecular grids. Smart Materials and Structures, 2006, 15, S171-S177.	3.5	3
58	Capsules, Cages and Three-dimensional Hosts: Self-assembly of Complementary Monomers. Supramolecular Chemistry, 2005, 17, 595-607.	1.2	25
59	Synthesis and Complexation Studies of a Convex Bis-porphyrin Tweezer—A Molecular Capsule Precursor. Supramolecular Chemistry, 2005, 17, 503-511.	1.2	9
60	Characterization of a Porphyrin-Containing Dye-Sensitized Solar Cell. Journal of Physical Chemistry B, 2004, 108, 12962-12971.	2.6	69
61	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
62	Photoinduced electron transfer in paraquat inclusion complexes of porphyrin-based receptors. New Journal of Chemistry, 2003, 27, 551-559.	2.8	21
63	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. Australian Journal of Chemistry, 2003, 56, 269.	0.9	10
64	Characterization of porphyrin supramolecular complexes using NMR diffusion spectroscopy. Journal of Porphyrins and Phthalocyanines, 2002, 06, 757-762.	0.8	8
65	Porphyrin-Containing Molecular Capsules: Metal Mediated Dimerization of a Bis-Porphyrin Cavity. Organic Letters, 2002, 4, 2165-2168.	4.6	33
66	An unusual energy transfer process from free-base porphyrin guests to a zinc porphyrin host in self-assembled systems. Photochemical and Photobiological Sciences, 2002, 1, 190-197.	2.9	25
67	Photoinduced Electron Transfer in Bisporphyrin-Diimide Complexes. Chemistry - A European Journal, 2002, 8, 3938-3947.	3.3	63
68	Photoinduced Electron Transfer in Bisporphyrin-Diimide Complexes. Chemistry - A European Journal, 2002, 8, 4829-4829.	3.3	2
69	A building BLOCK approach to bis-porphyrin cavity systems with convergent and divergent wall orientations. Tetrahedron, 2002, 58, 3445-3451.	1.9	23
70	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
71	Bis-porphyrinic clamp for photo- and electro-active guests: a spectroscopic and photophysical study. Physical Chemistry Chemical Physics, 2001, 3, 4488-4494.	2.8	19
72	Bis-Porphyrin Racks with Space-Separated Co-Planar Porphyrin Rings. Molecules, 2001, 6, 406-416.	3.8	10

#	ARTICLE	IF	CITATIONS
73	Current Chemistry: Bisporphyrin Cavities: from Guest Complexation to Molecular Capsule Formation. Australian Journal of Chemistry, 2001, 54, 633.	0.9	9
74	High-level Computational Study of the Site-, Facial- and Stereoselectivities for the Diels-Alder Reaction Between o-Benzoquinone and Norbornadiene. Molecules, 2000, 5, 1417-1428.	3.8	10
75	In-Line Proximity Effects in Extended 7-Azanorbornanes. 2. A Major Reduction of N-Inversion Barriers in Symmetrically Flanked Systems. Organic Letters, 2000, 2, 725-728.	4.6	16
76	In-Line Proximity Effects in Extended 7-Azanorbornanes. 1. A New Concept for Modifying Effector Group Separation Based on the Control of N-Invertomer Geometry. Organic Letters, 2000, 2, 721-724.	4.6	19
77	New Porphyrin π -Cycloaddition Reagents and Their Use in the Preparation of Porphyrin-(Rigid π -Spacer)-1,10-Phenanthrolines in Which Geometric π -Tuning of the Chromophores Is a Feature. Journal of Organic Chemistry, 1999, 64, 4218-4219.	3.2	19
78	Direct Synthesis of Rigid Ligand-Bridged Homo- and Heterodinuclear Complexes via Stereoselective 1,3-Dipolar Coupling of Mononuclear Ruthenium(II) and Osmium(II) Precursors. Inorganic Chemistry, 1999, 38, 4906-4909.	4.0	15
79	Photoinduced electron transfer in supramolecular assemblies of transition metal complexes. Coordination Chemistry Reviews, 1998, 171, 261-285.	18.8	34
80	Synthesis and modelling of novel rigid rods derived from a simple pentacyclic bis-norbornene [1]. Tetrahedron Letters, 1998, 39, 5277-5280.	1.4	30
81	Templated formation of multi-porphyrin assemblies resembling a molecular universal joint. Chemical Communications, 1998, , 2739-2740.	4.1	32
82	Direct Formation of π -Dione blocks from o-Benzoquinone Cycloadditions and their Value in the Synthesis of Fused Quinoxalines, 1,10-Phenanthrolines and Pteridines. Synlett, 1998, 1998, 590-592.	1.8	11
83	Preparation of New Porphyrin blocks and their Application to the Synthesis of Spacer and Cavity Ribbon Structures. Synlett, 1998, 1998, 593-595.	1.8	20
84	The debromination route to norbornadienomaleimides and 7-oxanorbornadienomaleimides: Study of cycloaddition specificities with cyclic dienes.. Tetrahedron Letters, 1995, 36, 7753-7756.	1.4	12
85	Self-Assembling Porphyrin [2]-Catenanes. Journal of the American Chemical Society, 1994, 116, 4810-4823.	13.7	123
86	Porphyrin-based molecular tweezers as a receptor for bipyridinium guests. Tetrahedron Letters, 1992, 33, 1771-1774.	1.4	27
87	A porphyrin-based crown ether co-receptor for the complexation of paraquat. Tetrahedron Letters, 1990, 31, 4801-4804.	1.4	25