

Matthew J Piggott

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,487
citations

361296

20
h-index

330025

37
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63
all docs

63
docs citations

63
times ranked

2040
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress toward a Rationally Designed, Chemically Powered Rotary Molecular Motor. <i>Journal of the American Chemical Society</i> , 2007, 129, 376-386.	6.6	164
2	Focus on phosphohistidine. <i>Amino Acids</i> , 2007, 32, 145-156.	1.2	158
3	Reduction of L-DOPA-Induced Dyskinesia by the Selective Metabotropic Glutamate Receptor 5 Antagonist 3-[(2-Methyl-1,3-thiazol-4-yl)ethynyl]pyridine in the 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine-Lesioned Macaque Model of Parkinson's Disease. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 333, 865-873.	1.3	130
4	Burning vegetation produces cyanohydrins that liberate cyanide and stimulate seed germination. <i>Nature Communications</i> , 2011, 2, 360.	5.8	98
5	Focus on Phosphoarginine and Phospholysine. <i>Current Protein and Peptide Science</i> , 2009, 10, 536-550.	0.7	85
6	Characterization of 3,4-Methylenedioxymethamphetamine (MDMA) Enantiomers <i>In Vitro</i> and in the MPTP-Lesioned Primate: <i>R</i> -MDMA Reduces Severity of Dyskinesia, Whereas <i>S</i> -MDMA Extends Duration of ON-Time. <i>Journal of Neuroscience</i> , 2011, 31, 7190-7198.	1.7	71
7	Chemically and Mechanically Controlled Single-Molecule Switches Using Spiropyran. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36886-36894.	4.0	69
8	Focus on phosphoaspartate and phosphoglutamate. <i>Amino Acids</i> , 2011, 40, 1035-1051.	1.2	44
9	Naphtho[2,3-c]furan-4,9-diones and related compounds: theoretically interesting and bioactive natural and synthetic products. <i>Tetrahedron</i> , 2005, 61, 9929-9954.	1.0	43
10	UWA-121, a mixed dopamine and serotonin re-uptake inhibitor, enhances L-DOPA anti-parkinsonian action without worsening dyskinesia or psychosis-like behaviours in the MPTP-lesioned common marmoset. <i>Neuropharmacology</i> , 2014, 82, 76-87.	2.0	40
11	The $\hat{\pm}2$ adrenergic antagonist fipamezole improves quality of levodopa action in Parkinsonian primates. <i>Movement Disorders</i> , 2010, 25, 2084-2093.	2.2	35
12	A Four-Step Total Synthesis of Radermachol. <i>Organic Letters</i> , 2014, 16, 2490-2493.	2.4	35
13	Western Australian Sandalwood Oil: Extraction by Different Techniques and Variations of the Major Components in Different Sections of a Single Tree. <i>Flavour and Fragrance Journal</i> , 1997, 12, 43-46.	1.2	34
14	Hit-to-Lead Optimization of a Novel Class of Potent, Broad-Spectrum Trypanosomacides. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 9686-9720.	2.9	30
15	Synthesis of Kalasinamide, a Putative Plant Defense Phototoxin. <i>Journal of Natural Products</i> , 2008, 71, 866-868.	1.5	29
16	The Monoamine Re-Uptake Inhibitor UWA-101 Improves Motor Fluctuations in the MPTP-Lesioned Common Marmoset. <i>PLoS ONE</i> , 2012, 7, e45587.	1.1	27
17	Ethynylbenzenoid metabolites of <i>Antrodia camphorata</i> : synthesis and inhibition of TNF expression. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1100-1113.	1.5	24
18	Limiting the Hydrolysis and Oxidation of Maleimide-Peptide Adducts Improves Detection of Protein Thiol Oxidation. <i>Journal of Proteome Research</i> , 2017, 16, 2004-2015.	1.8	24

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19	A novel MDMA analogue, UWA-101, that lacks psychoactivity and cytotoxicity, enhances l-DOPA benefit in parkinsonian primates. <i>FASEB Journal</i> , 2012, 26, 2154-2163.	0.2	22
20	Stable triazolylphosphonate analogues of phosphohistidine. <i>Amino Acids</i> , 2012, 43, 857-874.	1.2	22
21	The Synthesis of Ventilone A. <i>Australian Journal of Chemistry</i> , 2000, 53, 749.	0.5	21
22	Enhanced bi-stability in a ruthenium alkynyl spiropyran complex. <i>Dalton Transactions</i> , 2015, 44, 8812-8815.	1.6	19
23	The Synthesis of 5-Hydroxy-3-methylnaphtho[2,3-c]furan-4,9-dione and 5,8-Dihydroxy-1-methylnaphtho[2,3-c]furan-4,9-dione. <i>Australian Journal of Chemistry</i> , 2003, 56, 691.	0.5	16
24	Insights into the mechanism and regulation of pyruvate carboxylase by characterisation of a biotin-deficient mutant of the <i>Bacillus thermodenitrificans</i> enzyme. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 1743-1752.	1.2	15
25	Discovery of Potent <i>N</i> -Ethylurea Pyrazole Derivatives as Dual Inhibitors of <i>Trypanosoma brucei</i> and <i>Trypanosoma cruzi</i> . <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 278-285.	1.3	15
26	Use of pifithrin to inhibit p53-mediated signalling of TNF in dystrophic muscles of mdx mice. <i>Molecular and Cellular Biochemistry</i> , 2010, 337, 119-131.	1.4	14
27	Bisannulation of 2,3-Dichloro-1,4-naphthoquinone with <i>o</i> -Nitrophenylacetic Acid Derivatives: A Succinct Synthesis of the ABCD Ring System of Alpinkidine. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3232-3240.	1.2	14
28	What Is the Structure of the Antitubercular Natural Product Eucapsitrone?. <i>Journal of Organic Chemistry</i> , 2017, 82, 7287-7299.	1.7	13
29	Focus on O-phosphohydroxylysine, O-phosphohydroxyproline, N 1-phosphotryptophan and S-phosphocysteine. <i>Amino Acids</i> , 2017, 49, 1309-1323.	1.2	12
30	2,7- and 4,9-Dialkynyldihydropyrene Molecular Switches: Syntheses, Properties, and Charge Transport in Single-Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2022, 144, 12698-12714.	6.6	12
31	Redesigning the designer drug ecstasy: non-psychoactive MDMA analogues exhibiting Burkitt's lymphoma cytotoxicity. <i>MedChemComm</i> , 2010, 1, 287.	3.5	11
32	An Expedient Synthesis of Iminosugars. <i>Australian Journal of Chemistry</i> , 2010, 63, 1409.	0.5	11
33	Access to 1,2,3,4-Tetraoxygenated Benzenes via a Double Baeyer-Villiger Reaction of Quinizarin Dimethyl Ether: Application to the Synthesis of Bioactive Natural Products from <i>Antrodia camphorata</i> . <i>Journal of Organic Chemistry</i> , 2016, 81, 3127-3135.	1.7	11
34	Isotope-Coded Maleimide Affinity Tags for Proteomics Applications. <i>Bioconjugate Chemistry</i> , 2021, 32, 1652-1666.	1.8	10
35	Synthesis of 5,8-dimethoxynaphtho[2,3-c]furan-4(9H)-one. <i>Tetrahedron</i> , 2006, 62, 3550-3556.	1.0	8
36	Occurrence and significance of phytanyl arenes across the Permian-Triassic boundary interval. <i>Organic Geochemistry</i> , 2017, 104, 42-52.	0.9	8

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37	Confirmation of the Revised Structure of Samoquasine A and a Proposed Structural Revision of Cherimoline. <i>Journal of Natural Products</i> , 2018, 81, 1658-1665.	1.5	8
38	Structural identification and mass spectral interpretation of C _{3n} highly branched alkanes in sediment and aquatic extracts and evidence for their anthropogenic origin. <i>Organic Geochemistry</i> , 2009, 40, 1055-1062.	0.9	7
39	Making Mixtures to Solve Structures: Structural Elucidation via Combinatorial Synthesis. <i>ACS Combinatorial Science</i> , 2010, 12, 141-150.	3.3	7
40	Enhancing the anti-lymphoma potential of 3,4-methylenedioxymethamphetamine (ecstasy™) through iterative chemical redesign: mechanisms and pathways to cell death. <i>Investigational New Drugs</i> , 2012, 30, 1471-1483.	1.2	7
41	1,1'-Diacetyloctamethylferrocene: an overlooked and overdue synthon leading to the facile synthesis of an octamethylferrocenophane. <i>Dalton Transactions</i> , 2016, 45, 18817-18821.	1.6	7
42	Total Synthesis of the Antimalarial Ascidian Natural Product Albopunctatone. <i>Organic Letters</i> , 2019, 21, 5519-5523.	2.4	7
43	PPAR α and PPAR β activation is associated with pleural mesothelioma invasion but therapeutic inhibition is ineffective. <i>IScience</i> , 2022, 25, 103571.	1.9	7
44	Is 2,3,4,5-Tetramethoxybenzoyl Chloride a Natural Product?. <i>Journal of Natural Products</i> , 2011, 74, 1348-1350.	1.5	6
45	Total synthesis of monosporascone and dihydromonosporascone. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2801-2810.	1.5	6
46	Physical and crystallographic characterisation of the mGlu5 antagonist MTEP and its monohydrochloride. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 234-245.	1.6	4
47	Panning for phosphohistidine. <i>Nature Chemical Biology</i> , 2013, 9, 411-412.	3.9	4
48	Carbon-Rich Trinuclear Octamethylferrocenophanes. <i>Inorganic Chemistry</i> , 2019, 58, 3789-3799.	1.9	4
49	Some Cycloaddition Reactions of 5,8-Dimethoxynaphtho[2,3-c]furan-4,9-dione. <i>Australian Journal of Chemistry</i> , 1998, 51, 819.	0.5	4
50	Crystal Structure of 1-Methyl-5,8-dihydroxynaphtho[2,3-c]furan-4,9-dione. <i>Australian Journal of Chemistry</i> , 2005, 58, 600.	0.5	3
51	Analysis of trimethyl carboxyphosphate by gas chromatography-mass spectrometry. <i>Analytical Biochemistry</i> , 2008, 376, 283-285.	1.1	2
52	Control over cyclisation sequences of 1,1'-bifunctional octamethylferrocenes to ferrocenophanes. <i>Dalton Transactions</i> , 2017, 46, 10899-10907.	1.6	2
53	A Merry Dance Across the π -Cloud: Tracking the Transformation of a 2,7-Substituted Dihydropyrene Through a Thermally Stimulated Single-Crystal-to-Single-Crystal Reaction. <i>Crystal Growth and Design</i> , 0, , .	1.4	2
54	Toward the Total Synthesis of Alpinidine: Synthesis of Haloquinone CE Ring System Synthons and Attempted Nucleophilic Bisannulation. <i>ACS Omega</i> , 2022, 7, 19080-19092.	1.6	2

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55	Antiproliferative activity of the Antrodia camphorata secondary metabolite 4,7-dimethoxy-5-methylbenzo[d][1,3]dioxole and analogues. F \ddot{A} -toterap \ddot{A} - \ddot{A} ç, 2017, 123, 9-12.	1.1	1
56	Reprint of: Antiproliferative activity of the Antrodia camphorata secondary metabolite 4,7-dimethoxy-5-methylbenzo[d][1,3]dioxole and analogues. F \ddot{A} -toterap \ddot{A} - \ddot{A} ç, 2018, 126, 40-44.	1.1	1
57	Total Synthesis of the Antitumor \hat{A} “Antitubercular 2,6 \hat{A} “ \hat{A} -Bijuglone Natural Product Diospyrin and Its 3,6 \hat{A} “ \hat{A} -Isomer. Journal of Natural Products, 2020, 83, 3623-3634.	1.5	1
58	Toward the Total Synthesis of Alpinidine: Michael Addition to Isoquinolinetrione CE Ring-System Synthons. ACS Omega, 2022, 7, 19093-19105.	1.6	1
59	Naphtho[2,3-c]furan-4,9-diones and Related Compounds: Theoretically Interesting and Bioactive Natural and Synthetic Products. ChemInform, 2005, 36, no.	0.1	0
60	Associate Professor Emilio Luciano Ghisalberti (1943 \hat{A} “2015). F \ddot{A} -toterap \ddot{A} - \ddot{A} ç, 2018, 126, 1-7.	1.1	0