Matthew J Piggott

List of Publications by Year
in descending order

60	1,487	361045 20	329751 37
papers	citations	h-index	g-index

63	63	63	2040
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PPARÎ± and PPARÎ³ activation is associated with pleural mesothelioma invasion but therapeutic inhibition is ineffective. IScience, 2022, 25, 103571.	1.9	7
2	Toward the Total Synthesis of Alpkinidine: Synthesis of Haloquinone CE Ring System Synthons and Attempted Nucleophilic Bisannulation. ACS Omega, 2022, 7, 19080-19092.	1.6	2
3	Toward the Total Synthesis of Alpkinidine: Michael Addition to Isoquinolinetrione CE Ring-System Synthons. ACS Omega, 2022, 7, 19093-19105.	1.6	1
4	2,7- and 4,9-Dialkynyldihydropyrene Molecular Switches: Syntheses, Properties, and Charge Transport in Single-Molecule Junctions. Journal of the American Chemical Society, 2022, 144, 12698-12714.	6.6	12
5	Isotope-Coded Maleimide Affinity Tags for Proteomics Applications. Bioconjugate Chemistry, 2021, 32, 1652-1666.	1.8	10
6	Discovery of Potent N-Ethylurea Pyrazole Derivatives as Dual Inhibitors of Trypanosoma brucei and Trypanosoma cruzi. ACS Medicinal Chemistry Letters, 2020, 11, 278-285.	1.3	15
7	Total Synthesis of the Antitumorâ€“Antitubercular 2,6â€²-Bijuglone Natural Product Diospyrin and Its 3,6â€²-Isomer. Journal of Natural Products, 2020, 83, 3623-3634.	1.5	1
8	Total Synthesis of the Antimalarial Ascidian Natural Product Albopunctatone. Organic Letters, 2019, 21, 5519-5523.	2.4	7
9	Chemically and Mechanically Controlled Single-Molecule Switches Using Spiropyrans. ACS Applied Materials & Interfaces, 2019, 11, 36886-36894.	4.0	69
10	Carbon-Rich Trinuclear Octamethylferrocenophanes. Inorganic Chemistry, 2019, 58, 3789-3799.	1.9	4
11	Reprint of: Antiproliferative activity of the Antrodia camphorata secondary metabolite 4,7-dimethoxy-5-methylbenzo[d][1,3]dioxole and analogues. FÃ¬toterapÃ¬Ã¢, 2018, 126, 40-44.	1.1	1
12	Associate Professor Emilio Luciano Ghisalberti (1943â€“2015). FÃ¬toterapÃ¬Ã¢, 2018, 126, 1-7.	1.1	0
13	Confirmation of the Revised Structure of Samoquasine A and a Proposed Structural Revision of Cherimoline. Journal of Natural Products, 2018, 81, 1658-1665.	1.5	8
14	Occurrence and significance of phytanyl arenes across the Permian-Triassic boundary interval. Organic Geochemistry, 2017, 104, 42-52.	0.9	8
15	Limiting the Hydrolysis and Oxidation of Maleimideâ€“Peptide Adducts Improves Detection of Protein Thiol Oxidation. Journal of Proteome Research, 2017, 16, 2004-2015.	1.8	24
16	What Is the Structure of the Antitubercular Natural Product Eucapsitrione?. Journal of Organic Chemistry, 2017, 82, 7287-7299.	1.7	13
17	Focus on O-phosphohydroxylysine, O-phosphohydroxyproline, N 1-phosphotryptophan and S-phosphocysteine. Amino Acids, 2017, 49, 1309-1323.	1.2	12
18	Antiproliferative activity of the Antrodia camphorata secondary metabolite 4,7-dimethoxy-5-methylbenzo[d][1,3]dioxole and analogues. FÃ¬toterapÃ¬Ã¢, 2017, 123, 9-12.	1.1	1

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19	Control over cyclisation sequences of 1,1â€²-bifunctional octamethylferrocenes to ferrocenophanes. Dalton Transactions, 2017, 46, 10899-10907.	1.6	2
20	Access to 1,2,3,4-Tetraoxygenated Benzenes via a Double Baeyerâ€“Villiger Reaction of Quinizarin Dimethyl Ether: Application to the Synthesis of Bioactive Natural Products from Antrodia camphorata. Journal of Organic Chemistry, 2016, 81, 3127-3135.	1.7	11
21	Hit-to-Lead Optimization of a Novel Class of Potent, Broad-Spectrum Trypanosomacides. Journal of Medicinal Chemistry, 2016, 59, 9686-9720.	2.9	30
22	1,1â€²-Diacetyloctamethylferrocene: an overlooked and overdue synthon leading to the facile synthesis of an octamethylferrocenophane. Dalton Transactions, 2016, 45, 18817-18821.	1.6	7
23	Enhanced bi-stability in a ruthenium alkynyl spiropyran complex. Dalton Transactions, 2015, 44, 8812-8815.	1.6	19
24	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. Neuropharmacology, 2014, 82, 76-87.	2.0	40
25	Total synthesis of monosporascone and dihydromonosporascone. Organic and Biomolecular Chemistry, 2014, 12, 2801-2810.	1.5	6
26	Ethynylbenzenoid metabolites of Antrodia camphorata: synthesis and inhibition of TNF expression. Organic and Biomolecular Chemistry, 2014, 12, 1100-1113.	1.5	24
27	A Four-Step Total Synthesis of Radermachol. Organic Letters, 2014, 16, 2490-2493.	2.4	35
28	Bisannulation of 2,3â€Dichloroâ€1,4â€naphthoquinone with oâ€Nitrophenylacetic Acid Derivatives: A Succinct Synthesis of the ABCD Ring System of Alpkinidine. European Journal of Organic Chemistry, 2013, 2013, 3232-3240.	1.2	14
29	Panning for phosphohistidine. Nature Chemical Biology, 2013, 9, 411-412.	3.9	4
30	A novel MDMA analogue, UWAâ€101, that lacks psychoactivity and cytotoxicity, enhances l â€DOPA benefit in parkinsonian primates. FASEB Journal, 2012, 26, 2154-2163.	0.2	22
31	The Monoamine Re-Uptake Inhibitor UWA-101 Improves Motor Fluctuations in the MPTP-Lesioned Common Marmoset. PLoS ONE, 2012, 7, e45587.	1.1	27
32	Enhancing the anti-lymphoma potential of 3,4-methylenedioxymethamphetamine (â€˜ecstasyâ€™) through iterative chemical redesign: mechanisms and pathways to cell death. Investigational New Drugs, 2012, 30, 1471-1483.	1.2	7
33	Stable triazolylphosphonate analogues of phosphohistidine. Amino Acids, 2012, 43, 857-874.	1.2	22
34	Burning vegetation produces cyanohydrins that liberate cyanide and stimulate seed germination. Nature Communications, 2011, 2, 360.	5.8	98
35	Is 2,3,4,5-Tetramethoxybenzoyl Chloride a Natural Product?. Journal of Natural Products, 2011, 74, 1348-1350.	1.5	6
36	Focus on phosphoaspartate and phosphoglutamate. Amino Acids, 2011, 40, 1035-1051.	1.2	44

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37	Characterization of 3,4-Methylenedioxymethamphetamine (MDMA) EnantiomersIn Vitroand in the MPTP-Lesioned Primate:R-MDMA Reduces Severity of Dyskinesia, WhereasS-MDMA Extends Duration of ON-Time. Journal of Neuroscience, 2011, 31, 7190-7198.	1.7	71
38	Use of pifithrin to inhibit p53-mediated signalling of TNF in dystrophic muscles of mdx mice. Molecular and Cellular Biochemistry, 2010, 337, 119-131.	1.4	14
39	Physical and crystallographic characterisation of the mGlu5 antagonist MTEP and its monohydrochloride. Journal of Pharmaceutical Sciences, 2010, 99, 234-245.	1.6	4
40	The Î±₂ adrenergic antagonist fipamezole improves quality of levodopa action in Parkinsonian primates. Movement Disorders, 2010, 25, 2084-2093.	2.2	35
41	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. Journal of Pharmacology and Experimental Therapeutics, 2010, 333, 865-873.	1.3	130
42	Redesigning the designer drug ecstasy: non-psychoactive MDMA analogues exhibiting Burkitt's lymphoma cytotoxicity. MedChemComm, 2010, 1, 287.	3.5	11
43	Making Mixtures to Solve Structures: Structural Elucidation via Combinatorial Synthesis. ACS Combinatorial Science, 2010, 12, 141-150.	3.3	7
44	An Expeditious Synthesis of Iminosugars. Australian Journal of Chemistry, 2010, 63, 1409.	0.5	11
45	Focus on Phosphoarginine and Phospholysine. Current Protein and Peptide Science, 2009, 10, 536-550.	0.7	85
46	Structural identification and mass spectral interpretation of C3n highly branched alkanes in sediment and aquatic extracts and evidence for their anthropogenic origin. Organic Geochemistry, 2009, 40, 1055-1062.	0.9	7
47	Analysis of trimethyl carboxyphosphate by gas chromatographyâ€“mass spectrometry. Analytical Biochemistry, 2008, 376, 283-285.	1.1	2
48	Insights into the mechanism and regulation of pyruvate carboxylase by characterisation of a biotin-deficient mutant of the Bacillus thermodenitrificans enzyme. International Journal of Biochemistry and Cell Biology, 2008, 40, 1743-1752.	1.2	15
49	Synthesis of Kalasinamide, a Putative Plant Defense Phototoxin. Journal of Natural Products, 2008, 71, 866-868.	1.5	29
50	Progress toward a Rationally Designed, Chemically Powered Rotary Molecular Motor. Journal of the American Chemical Society, 2007, 129, 376-386.	6.6	164
51	Focus on phosphohistidine. Amino Acids, 2007, 32, 145-156.	1.2	158
52	Synthesis of 5,8-dimethoxynaphtho[2,3-c]furan-4(9H)-one. Tetrahedron, 2006, 62, 3550-3556.	1.0	8
53	Naphtho[2,3-c]furan-4,9-diones and related compounds: theoretically interesting and bioactive natural and synthetic products. Tetrahedron, 2005, 61, 9929-9954.	1.0	43
54	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

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55	Crystal Structure of 1-Methyl-5,8-dihydroxynaphtho[2,3-c]furan-4,9-dione. Australian Journal of Chemistry, 2005, 58, 600.	0.5	3
56	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. Australian Journal of Chemistry, 2003, 56, 691.	0.5	16
57	The Synthesis of Ventilone A. Australian Journal of Chemistry, 2000, 53, 749.	0.5	21
58	Some Cycloaddition Reactions of 5,8-Dimethoxynaphtho[2,3-c]furan-4,9-dione. Australian Journal of Chemistry, 1998, 51, 819.	0.5	4
59	Western Australian Sandalwood Oil: Extraction by Different Techniques and Variations of the Major Components in Different Sections of a Single Tree. Flavour and Fragrance Journal, 1997, 12, 43-46.	1.2	34
60	A Merry Dance Across the Ï€-Cloud: Tracking the Transformation of a 2,7-Substituted Dihydropyrene Through a Thermally Stimulated Single-Crystal-to-Single-Crystal Reaction. Crystal Growth and Design, 0, , .	1.4	2