

Simon M Pyke

List of Publications by Year in descending order

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51
papers

1,464
citations

279798

23
h-index

315739

38
g-index

55
all docs

55
docs citations

55
times ranked

1573
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro antiviral activity of the anthraquinone chrysophanic acid against poliovirus. <i>Antiviral Research</i> , 2001, 49, 169-178.	4.1	134
2	Aldehyde-sequestering drugs: tools for studying protein damage by lipid peroxidation products. <i>Toxicology</i> , 2002, 181-182, 229-236.	4.2	78
3	Hydralazine Inhibits Rapid Acrolein-Induced Protein Oligomerization: Role of Aldehyde Scavenging and Adduct Trapping in Cross-Link Blocking and Cytoprotection. <i>Molecular Pharmacology</i> , 2006, 69, 1056-1065.	2.3	76
4	A new method for the synthesis of porphyrin- β -diones that is applicable to the synthesis of trans-annular extended porphyrin systems. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 1567-1568.	2.0	71
5	Synthesis and characterization of triorganotin(IV) complexes of 5-[(E)-2-(aryl)-1-diazenyl]-2-hydroxybenzoic acids. <i>Journal of Organometallic Chemistry</i> , 2001, 633, 7-17.	1.8	71
6	Identification and Specificity Studies of Small-Molecule Ligands for SH3 Protein Domains. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 5405-5417.	6.4	71
7	Strong Protein Adduct Trapping Accompanies Abolition of Acrolein-Mediated Hepatotoxicity by Hydralazine in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 310, 1003-1010.	2.5	64
8	Antiviral flavonoid from <i>Pterocaulon sphaelatum</i> , an Australian Aboriginal medicine. <i>Journal of Ethnopharmacology</i> , 1999, 68, 283-288.	4.1	59
9	A new and highly efficient synthesis of hydroxyporphyrins. <i>Tetrahedron</i> , 1987, 43, 4569-4577.	1.9	57
10	Protein Adduct-Trapping by Hydrazinophthalazine Drugs: Mechanisms of Cytoprotection Against Acrolein-Mediated Toxicity. <i>Molecular Pharmacology</i> , 2004, 65, 655-664.	2.3	55
11	Antimicrobial Compounds from the Australian Desert Plant <i>Eremophila neglecta</i> . <i>Journal of Natural Products</i> , 2007, 70, 1439-1443.	3.0	51
12	Antimicrobial compounds from <i>Eremophila serrulata</i> . <i>Phytochemistry</i> , 2007, 68, 2684-2690.	2.9	51
13	Reactivity of hydrazinophthalazine drugs with the lipid peroxidation products acrolein and crotonaldehyde. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2578.	2.8	47
14	Sequential and Selective Buchwald-Hartwig Amination Reactions for the Controlled Functionalization of 6-Bromo-2-chloroquinoline: Synthesis of Ligands for the Tec Src Homology 3 Domain. <i>Journal of Organic Chemistry</i> , 2008, 73, 8880-8892.	3.2	37
15	Mechanistic Investigations on the Reaction between 1,2-Dioxines and Bulky Stabilized Phosphorus Ylides: An Efficient Route to Closely Related Cyclopropane Stereoisomers. <i>Journal of Organic Chemistry</i> , 2001, 66, 7955-7966.	3.2	36
16	Improved preparation of (β)-(1,3/2,4)-5-cyclohexene-1,2,3,4-tetrol [(β)-conduritol-B] and its reaction with hydrobromic and hydrochloric acid; synthesis and characterisation of some (β)-1-deoxy-1-halo- and (β)-1,4-dideoxy-1,4-dihaloconduritols. <i>Carbohydrate Research</i> , 1994, 264, 147-153.	2.3	30
17	Synthesis of 5-, 6- and 7-substituted-2-aminoquinolines as SH3 domain ligands. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2543.	2.8	30
18	Carbonyl-Scavenging Drugs & Protection Against Carbonyl Stress-Associated Cell Injury. <i>Mini-Reviews in Medicinal Chemistry</i> , 2008, 8, 319-330.	2.4	30

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19	Synthesis of N-benzylated-2-aminoquinolines as ligands for the Tec SH3 domain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 387-390.	2.2	29
20	Differences in Lysine Adduction by Acrolein and Methyl Vinyl Ketone: Implications for Cytotoxicity in Cultured Hepatocytes. <i>Chemical Research in Toxicology</i> , 2005, 18, 1627-1633.	3.3	28
21	Characterisation and In Vitro Cytotoxicity of Triorganophosphinegold(I) 2-Mercaptobenzoate Complexes. <i>Metal-Based Drugs</i> , 1999, 6, 31-40.	3.8	27
22	In Vivo Activity of Benzoyl Ester Clerodane Diterpenoid Derivatives from <i>Dodonaea polyandra</i> . <i>Journal of Natural Products</i> , 2011, 74, 650-657.	3.0	27
23	Development, Evaluation and Use of a Student Experience Survey in Undergraduate Science Laboratories: The Advancing Science by Enhancing Learning in the Laboratory Student Laboratory Learning Experience Survey. <i>International Journal of Science Education</i> , 2015, 37, 1795-1814.	1.9	27
24	The synthesis, characterization and structures of some 4-[(E)-1-{2-hydroxy-5-[(E)-2-(aryl)-1-diazenyl]phenyl}methylidene)amino]benzoic acid. <i>Dyes and Pigments</i> , 2009, 82, 379-386.	3.7	24
25	Isolation of episulfones from the Ramberg-Bäcklund rearrangement. Part 2. X-Ray molecular structure of 2,3-epithio-8,8-dimethyl-6,10-dioxaspiro[4.5]decane S,S-dioxide and of r-6-benzyl-t-7,t-8-epithio-1,4-dioxaspiro[4.4]nonane S,S-dioxide. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 2317-2327.	0.9	22
26	THE SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF SOME TRIORGANOTIN(IV) COMPLEXES OF 5-(4-CHLOROPHENYLAZO) SALICYLIC ACID: CRYSTAL AND MOLECULAR STRUCTURE OF TRIPHENYL TIN 5-(4-CHLOROPHENYLAZO)SALICYLATE. <i>Main Group Metal Chemistry</i> , 1999, 22, .	1.6	22
27	Reaction of 5-nitro-octaethylporphyrins with nucleophiles. <i>Journal of Porphyrins and Phthalocyanines</i> , 2002, 06, 685-694.	0.8	22
28	Enantioselective assay for the determination of perhexiline enantiomers in human plasma by liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 832, 114-120.	2.3	17
29	The Isolation of Episulphones from the Ramberg-Bäcklund Rearrangement; Part 31. <i>Synlett</i> , 1993, 1993, 660-662.	1.8	16
30	CRYSTAL AND MOLECULAR STRUCTURE OF AQUATRIPHENYL TIN 2-(3-FORMYL-4-HYDROXYPHENYLAZO)BENZOATE. <i>Main Group Metal Chemistry</i> , 1996, 19, .	1.6	16
31	Michael addition of acrolein to lysinyl and N-terminal residues of a model peptide: targets for cytoprotective hydrazino drugs. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1155-1164.	1.5	15
32	Reactivity with Tris(hydroxymethyl)aminomethane Confounds Immunodetection of Acrolein-Adducted Proteins. <i>Chemical Research in Toxicology</i> , 2003, 16, 1196-1201.	3.3	14
33	Selective biocatalytic hydroxylation of unactivated methylene C-H bonds in cyclic alkyl substrates. <i>Chemical Communications</i> , 2019, 55, 5029-5032.	4.1	13
34	Dinuclear organoplatinum(II)-methylidiphenylphosphine complexes of nicotinic acid. <i>Journal of Organometallic Chemistry</i> , 2000, 607, 222-226.	1.8	12
35	The generation and synthetic applications of episulfone $\hat{\pm}$ -anions. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1996, , 661-667.	0.9	11
36	Reactions of Ethyne with Some Ruthenium Cluster Complexes Containing dppm. <i>Helvetica Chimica Acta</i> , 2001, 84, 3197-3215.	1.6	11

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37	A regio- and stereo-selective synthesis of 2-hydroxy-3-methylchromycinone in three steps from 2-bromo-5-acetoxy-1,4-naphthoquinone and 1-acetoxy-3,3-dimethyl-5-vinylcyclohexa-1,5-diene. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 1826-1830.	1.3	9
38	A general method for the preparation of single pendant arm 2-hydroxyalkyl-1,4,7-triazacyclononane macrocycles. Journal of the Chemical Society Perkin Transactions 1, 1999, , 1211-1214.	0.9	8
39	Synthesis, and Cyclization to Aurones and Flavones, of Alkoxy-Substituted Aryl, Arylalkynyl Ketones. Australian Journal of Chemistry, 2008, 61, 350.	0.9	8
40	Implementing and investigating distributed leadership in a national university network " SaMnet. Journal of Higher Education Policy and Management, 2017, 39, 169-182.	2.3	8
41	Student Perceptions of Chemistry Experiments with Different Technological Interfaces: A Comparative Study. Journal of Chemical Education, 2014, 91, 1787-1795.	2.3	7
42	Porphyrin building blocks: using a modified Barton-Zard approach to construct annulated pyrroles. Journal of Porphyrins and Phthalocyanines, 2002, 06, 661-672.	0.8	5
43	Assessing the Assessments: Development of a Tool To Evaluate Assessment Items in Chemistry According to Learning Outcomes. ACS Symposium Series, 2016, , 225-244.	0.5	5
44	Cycloaddition Reactions of 7-Benzylidenecycloocta-1,3,5-triene with Ethenetetracarbonitrile and 4-Phenyl-3H-1,2,4-triazole-3,5(4H)-dione. Helvetica Chimica Acta, 2005, 88, 2003-2021.	1.6	4
45	Improving the Assessment of Transferable Skills in Chemistry Through Evaluation of Current Practice. , 2019, , 255-274.		4
46	The development of teaching skills to support active learning in university science (ALIUS). Journal of Learning Design, 2015, 3, .	0.8	3
47	Complexation of Zinc(II) and Cadmium(II) by Hydroxyethyl- and Bis(hydroxyethyl)-1,4,7-triazacyclononane in Water. Australian Journal of Chemistry, 2003, 56, 61.	0.9	2
48	N-(4,4-Dimethoxy-1-oxo-1,6-thianylidene)-4-methyl-1-benzenesulfonamide. Acta Crystallographica Section E: Structure Reports Online, 2001, 57, o394-o395.	0.2	0
49	Crystal structure of (E)-1,3-di(2,4,6-trimethoxyphenyl)-2-propen-1-one, C ₂₁ H ₂₄ O ₇ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2001, 216, .	0.3	0
50	Crystal structure of (3R*,4R*) 3-iodo-4-(4-methylbenzenesulfonyl)oxolane, C ₁₁ H ₁₃ IO ₃ S. Zeitschrift Fur Kristallographie - Crystalline Materials, 1996, 211, 421-422.	0.8	0
51	Crystal structure of 3,3-dimethyl-1,5-dioxo-9-thiaspiro[5.5]-undecane-9-oxide, 9-oxo-N-[(4-methyl-benzenesulfonyl)imine], C ₁₇ H ₂₅ NO ₅ S ₂ . Zeitschrift Fur Kristallographie - Crystalline Materials, 1996, 211, 573-574.	0.8	0