Christopher M Timperley

List of Publications by Year
in descending order

78	1,464	304368 22	377514 34
papers	citations	h-index	g-index

82	82	82	1319
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of Experimental End Point on the Therapeutic Efficacy of Essential and Additional Antidotes in Organophosphorus Nerve Agent-Intoxicated Mice. Toxics, 2022, 10, 192.	1.6	2
2	Î¼â€Conotoxin KIIIA peptidomimetics that block human voltageâ€gated sodium channels. Peptide Science, 2021, 113, e24203.	1.0	0
3	Reply to â€œComment on â€˜Nomenclature, Chemical Abstracts Service Numbers, Isomer Enumeration, Ring Strain, and Stereochemistry: What Does Any of This Have to Do with an International Chemical Disarmament and Nonproliferation Treaty?â€™â€. Journal of Chemical Education, 2021, 98, 1468-1471.	1.1	3
4	Advice on assistance and protection provided by the Scientific Advisory Board of the Organisation for the Prohibition of Chemical Weapons: Part 3. On medical care and treatment of injuries from sulfur mustard. Toxicology, 2021, 463, 152967.	2.0	7
5	Assessment of false transmitters as treatments for nerve agent poisoning. Toxicology Letters, 2020, 321, 21-31.	0.4	6
6	Influence of experimental end point on the therapeutic efficacy of the antinicotinic compounds MB408, MB442 and MB444 in treating nerve agent poisoned mice â€“ a comparison with oxime-based treatment. Toxicology Mechanisms and Methods, 2020, 30, 703-710.	1.3	3
7	Nomenclature, Chemical Abstracts Service Numbers, Isomer Enumeration, Ring Strain, and Stereochemistry: What Does Any of This Have to Do with an International Chemical Disarmament and Nonproliferation Treaty?. Journal of Chemical Education, 2020, 97, 1715-1730.	1.1	7
8	3-Quinuclidinyl-Î±-methoxydiphenylacetate: A multi-targeted ligand with antimuscarinic and antinicotinic effects designed for the treatment of anticholinesterase poisoning. Toxicology Letters, 2020, 325, 67-76.	0.4	3
9	Synthesis and Î¼-Opioid Activity of the Primary Metabolites of Carfentanil. ACS Medicinal Chemistry Letters, 2019, 10, 1568-1572.	1.3	14
10	Î±-Conotoxin GI triazole-peptidomimetics: potent and stable blockers of a human acetylcholine receptor. Chemical Science, 2019, 10, 1671-1676.	3.7	18
11	Is there a role for green and sustainable chemistry in chemical disarmament and nonproliferation?. Current Opinion in Green and Sustainable Chemistry, 2019, 15, 103-114.	3.2	6
12	Advice on assistance and protection provided by the Scientific Advisory Board of the Organisation for the Prohibition of Chemical Weapons: Part 1. On medical care and treatment of injuries from nerve agents. Toxicology, 2019, 415, 56-69.	2.0	25
13	Investigative science and technology supporting the Organization for the Prohibition of Chemical Weapons (OPCW). Australian Journal of Forensic Sciences, 2019, 51, 611-622.	0.7	5
14	Advice on assistance and protection by the Scientific Advisory Board of the Organisation for the Prohibition of Chemical Weapons: Part 2. On preventing and treating health effects from acute, prolonged, and repeated nerve agent exposure, and the identification of medical countermeasures able to reduce or eliminate the longer term health effects of nerve agents. Toxicology, 2019, 413, 13-23.	2.0	23
15	Advice on chemical weapons sample stability and storage provided by the Scientific Advisory Board of the Organisation for the Prohibition of Chemical Weapons to increase investigative capabilities worldwide. Talanta, 2018, 188, 808-832.	2.9	17
16	Evaluation of the Influence of Three Newly Developed Bispyridinium Antiâ€nicotinic Compounds (MB408,) Tj ETQq0 0 0 rgBT /Overlock 1 Clinical Pharmacology and Toxicology, 2018, 122, 429-435.	1.2	4
17	Advice from the Scientific Advisory Board of the Organisation for the Prohibition of Chemical Weapons on riot control agents in connection to the Chemical Weapons Convention. RSC Advances, 2018, 8, 41731-41739.	1.7	13
18	Chemical Disarmament in a Technologically Evolving World. ACS Symposium Series, 2018, , 3-35.	0.5	2

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19	Innovative technologies for chemical security. Pure and Applied Chemistry, 2018, 90, 1527-1557.	0.9	6
20	Advice from the Scientific Advisory Board of the Organisation for the Prohibition of Chemical Weapons on isotopically labelled chemicals and stereoisomers in relation to the Chemical Weapons Convention. Pure and Applied Chemistry, 2018, 90, 1647-1670.	0.9	15
21	Chemistry and diplomacy. Pure and Applied Chemistry, 2018, 90, 1507-1525.	0.9	5
22	OPCW-IUPAC Workshop on Innovative Technologies for Chemical Security. Pure and Applied Chemistry, 2018, 90, 1501-1506.	0.9	7
23	Painful chemistry! From barbecue smoke to riot control. Pure and Applied Chemistry, 2017, 89, 231-248.	0.9	4
24	Chemical Safety and Security in a Rapidly Changing World. Chemistry International, 2016, 38, .	0.3	1
25	Evaluation of the benefit of the bispyridinium compound MB327 for the antidotal treatment of nerve agent-poisoned mice. Toxicology Mechanisms and Methods, 2016, 26, 334-339.	1.3	11
26	Pharmacokinetic profile and quantitation of protection against soman poisoning by the antinicotinic compound MB327 in the guinea-pig. Toxicology Letters, 2016, 244, 154-160.	0.4	25
27	Bispyridinium Compounds Inhibit Both Muscle and Neuronal Nicotinic Acetylcholine Receptors in Human Cell Lines. PLoS ONE, 2015, 10, e0135811.	1.1	33
28	Thiophosphoryl Compounds. , 2015, , 563-632.		1
29	General Overview. , 2015, , 1-89.		0
30	Breaking bad chemicals down. Nature Materials, 2015, 14, 469-470.	13.3	10
31	Potency of irritation by benzylidenemalononitriles in humans correlates with TRPA1 ion channel activation. Royal Society Open Science, 2015, 2, 140160.	1.1	19
32	Toxicity and medical countermeasure studies on the organophosphorus nerve agents VM and VX. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20140891.	1.0	27
33	Phosphoryl Compounds. , 2015, , 365-562.		2
34	Phosphonyl Compounds. , 2015, , 91-325.		1
35	Evidence of VX nerve agent use from contaminated white mustard plants. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2014, 470, 20140076.	1.0	21
36	Detection of the organophosphorus nerve agent VX and its hydrolysis products in white mustard plants grown in contaminated soil. Analytical Methods, 2013, 5, 50-53.	1.3	30

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37	Analysis of Clothing and Urine from Moscow Theatre Siege Casualties Reveals Carfentanil and Remifentanil Use. Journal of Analytical Toxicology, 2012, 36, 647-656.	1.7	176
38	1,1â€²-(Propane-1,3-diyl)bis(4-tert-butylpyridinium) di(methanesulfonate) protects guinea pigs from soman poisoning when used as part of a combined therapy. MedChemComm, 2012, 3, 352-356.	3.5	29
39	Production of ES1 Plasma Carboxylesterase Knockout Mice for Toxicity Studies. Chemical Research in Toxicology, 2011, 24, 1891-1898.	1.7	56
40	Synthesis of some fluorine-containing pyridinealdoximes of potential use for the treatment of organophosphorus nerve-agent poisoning. Journal of Fluorine Chemistry, 2011, 132, 541-547.	0.9	21
41	Phosphotriesterase variants with high methylphosphonatase activity and strong negative trade-off against phosphotriesters. Protein Engineering, Design and Selection, 2011, 24, 151-159.	1.0	17
42	Highest paraoxonase turnover rate found in a bacterial phosphotriesterase variant. Protein Engineering, Design and Selection, 2011, 24, 209-211.	1.0	11
43	Inhibitory Potency against Human Acetylcholinesterase and Enzymatic Hydrolysis of Fluorogenic Nerve Agent Mimics by Human Paraoxonase 1 and Squid Diisopropyl Fluorophosphatase. Biochemistry, 2008, 47, 5216-5224.	1.2	51
44	Isotopically Labelled Phosphorus Compounds: Some Deuterated Methyl and Ethyl Derivatives. Phosphorus, Sulfur and Silicon and the Related Elements, 2006, 181, 1847-1857.	0.8	11
45	Analogues with Fluorescent Leaving Groups for Screening and Selection of Enzymes That Efficiently Hydrolyze Organophosphorus Nerve Agents. Journal of Medicinal Chemistry, 2006, 49, 246-255.	2.9	77
46	Synthesis and anticholinesterase activity of some new fluorogenic analogues of organophosphorus nerve agents. Journal of Fluorine Chemistry, 2006, 127, 1554-1563.	0.9	20
47	Fluoroalkene chemistry. Journal of Fluorine Chemistry, 2006, 127, 249-256.	0.9	17
48	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2005, 126, 902-906.	0.9	8
49	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2005, 126, 892-901.	0.9	9
50	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2005, 126, 1144-1149.	0.9	8
51	Fluorinated pyridine derivatives. Journal of Fluorine Chemistry, 2005, 126, 1160-1165.	0.9	35
52	Analysis of chemical warfare agents. Journal of Chromatography A, 2005, 1068, 315-326.	1.8	43
53	Analysis of chemical warfare agents. Journal of Chromatography A, 2005, 1098, 156-165.	1.8	24
54	Fluorinated Phosphorus Compounds. Part 10. Bis(fluoroalkyl) S-Alkyl Phosphorothiolates and Tris(fluoroalkyl) Phosphorothionates.. ChemInform, 2005, 36, no.	0.1	0

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55	Fluorinated Pyridine Derivatives. Part 1. The Synthesis of Some Mono- and Bis-quaternary Pyridine Salts of Potential Use in the Treatment of Nerve Agent Poisoning.. ChemInform, 2005, 36, no.	0.1	0
56	Analysis of chemical warfare agents. Journal of Chromatography A, 2004, 1028, 313-320.	1.8	33
57	Fluoroalkene chemistry. Journal of Fluorine Chemistry, 2004, 125, 685-693.	0.9	35
58	Fluoroalkene Chemistry. Part 1. Highly-Toxic Fluorobutenes and Their Mode of Toxicity: Reactions of Perfluoroisobutene and Polyfluorinated Cyclobutenes with Thiols.. ChemInform, 2004, 35, no.	0.1	0
59	Fluoroalkene Chemistry. Part 2. Reactions of Thiols with Some Toxic 1,2-Dichlorinated Polyfluorocycloalkenes.. ChemInform, 2004, 35, no.	0.1	0
60	Fluoroalkene chemistry. Journal of Fluorine Chemistry, 2004, 125, 1265-1272.	0.9	9
61	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2003, 119, 161-171.	0.9	45
62	Bis(fluoroalkyl)acrylic and methacrylic phosphate monomers, their polymers and some of their properties. Journal of Fluorine Chemistry, 2003, 121, 23-31.	0.9	31
63	The steric and electronic effects of aliphatic fluoroalkyl groups. Journal of Fluorine Chemistry, 2003, 123, 65-70.	0.9	33
64	Hydrolysis and Oxidation Products of the Chemical Warfare Agents 1,2-Bis[(2-chloroethyl)thio]ethane Q and 2,2â€²-Bis(2-chloroethylthio)diethyl Ether T. Phosphorus, Sulfur and Silicon and the Related Elements, 2003, 178, 2027-2046.	0.8	20
65	Solid-Phase Synthesis of Some Alkyl Hydrogen Methylphosphonates. Phosphorus, Sulfur and Silicon and the Related Elements, 2003, 178, 2279-2286.	0.8	22
66	The Synthesis and Properties of Some Fluorinated Dialkyl Phosphoramidates. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 423-430.	0.8	14
67	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2002, 113, 65-78.	0.9	24
68	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2002, 113, 111-122.	0.9	22
69	Organophosphorus chemistry. Part 1. The synthesis of alkyl methylphosphonic acids. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 26-30.	1.3	26
70	The first isolable dialkyl iodophosphates. Chemical Communications, 2001, , 797-798.	2.2	14
71	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2001, 107, 155-158.	0.9	16
72	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2001, 109, 103-111.	0.9	9

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73	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2000, 104, 215-223.	0.9	29
74	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2000, 106, 43-52.	0.9	19
75	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2000, 106, 153-161.	0.9	23
76	Highly-toxic fluorine compounds. , 2000, , 499-538.		20
77	Ketene thioacetal derivatives from perfluoroisobutene (PFIB) and its 1,1-dichloro analogue. Journal of Fluorine Chemistry, 1999, 94, 37-41.	0.9	12
78	The synthesis and reactions of dialkyl fluoroalkyl phosphates. Journal of Fluorine Chemistry, 1999, 96, 95-100.	0.9	19