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	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
2	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
3	Production of ES1 Plasma Carboxylesterase Knockout Mice for Toxicity Studies. Chemical Research in Toxicology, 2011, 24, 1891-1898.	1.7	56
4	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
5	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2003, 119, 161-171.	0.9	45
6	Analysis of chemical warfare agents. Journal of Chromatography A, 2005, 1068, 315-326.	1.8	43
7	Fluoroalkene chemistry. Journal of Fluorine Chemistry, 2004, 125, 685-693.	0.9	35
8	Fluorinated pyridine derivatives. Journal of Fluorine Chemistry, 2005, 126, 1160-1165.	0.9	35
9	The steric and electronic effects of aliphatic fluoroalkyl groups. Journal of Fluorine Chemistry, 2003, 123, 65-70.	0.9	33
10	Analysis of chemical warfare agents. Journal of Chromatography A, 2004, 1028, 313-320.	1.8	33
11	Bispyridinium Compounds Inhibit Both Muscle and Neuronal Nicotinic Acetylcholine Receptors in Human Cell Lines. PLoS ONE, 2015, 10, e0135811.	1.1	33
12	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
13	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
14	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2000, 104, 215-223.	0.9	29
15	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
16	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
17	Organophosphorus chemistry. Part 1. The synthesis of alkyl methylphosphonic acids. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 26-30.	1.3	26
18	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

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19	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
20	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2002, 113, 65-78.	0.9	24
21	Analysis of chemical warfare agents. Journal of Chromatography A, 2005, 1098, 156-165.	1.8	24
22	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2000, 106, 153-161.	0.9	23
23	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
24	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2002, 113, 111-122.	0.9	22
25	Solid-Phase Synthesis of Some Alkyl Hydrogen Methylphosphonates. Phosphorus, Sulfur and Silicon and the Related Elements, 2003, 178, 2279-2286.	0.8	22
26	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
27	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
28	Highly-toxic fluorine compounds. , 2000, , 499-538.		20
29	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
30	Synthesis and anticholinesterase activity of some new fluorogenic analogues of organophosphorus nerve agents. Journal of Fluorine Chemistry, 2006, 127, 1554-1563.	0.9	20
31	The synthesis and reactions of dialkyl fluoroalkyl phosphates. Journal of Fluorine Chemistry, 1999, 96, 95-100.	0.9	19
32	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2000, 106, 43-52.	0.9	19
33	Potency of irritation by benzylidenemalononitriles in humans correlates with TRPA1 ion channel activation. Royal Society Open Science, 2015, 2, 140160.	1.1	19
34	Î±-Conotoxin GI triazole-peptidomimetics: potent and stable blockers of a human acetylcholine receptor. Chemical Science, 2019, 10, 1671-1676.	3.7	18
35	Fluoroalkene chemistry. Journal of Fluorine Chemistry, 2006, 127, 249-256.	0.9	17
36	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

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37	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
38	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2001, 107, 155-158.	0.9	16
39	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
40	The first isolable dialkyl iodophosphates. Chemical Communications, 2001, , 797-798.	2.2	14
41	The Synthesis and Properties of Some Fluorinated Dialkyl Phosphoramidates. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 423-430.	0.8	14
42	Synthesis and Î¼-Opioid Activity of the Primary Metabolites of Carfentanil. ACS Medicinal Chemistry Letters, 2019, 10, 1568-1572.	1.3	14
43	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
44	Ketene thioacetal derivatives from perfluoroisobutene (PFIB) and its 1,1-dichloro analogue. Journal of Fluorine Chemistry, 1999, 94, 37-41.	0.9	12
45	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
46	Highest paraoxonase turnover rate found in a bacterial phosphotriesterase variant. Protein Engineering, Design and Selection, 2011, 24, 209-211.	1.0	11
47	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
48	Breaking bad chemicals down. Nature Materials, 2015, 14, 469-470.	13.3	10
49	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2001, 109, 103-111.	0.9	9
50	Fluoroalkene chemistry. Journal of Fluorine Chemistry, 2004, 125, 1265-1272.	0.9	9
51	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2005, 126, 892-901.	0.9	9
52	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2005, 126, 902-906.	0.9	8
53	Fluorinated phosphorus compounds. Journal of Fluorine Chemistry, 2005, 126, 1144-1149.	0.9	8
54	OPCW-IUPAC Workshop on Innovative Technologies for Chemical Security. Pure and Applied Chemistry, 2018, 90, 1501-1506.	0.9	7

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55	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
56	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
57	Innovative technologies for chemical security. Pure and Applied Chemistry, 2018, 90, 1527-1557.	0.9	6
58	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
59	Assessment of false transmitters as treatments for nerve agent poisoning. Toxicology Letters, 2020, 321, 21-31.	0.4	6
60	Chemistry and diplomacy. Pure and Applied Chemistry, 2018, 90, 1507-1525.	0.9	5
61	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
62	Painful chemistry! From barbecue smoke to riot control. Pure and Applied Chemistry, 2017, 89, 231-248.	0.9	4
63	Evaluation of the Influence of Three Newly Developed Bispyridinium Antiâ€nicotinic Compounds (MB408,) Tj ETQq1 1 0.784314 rgBT /C Clinical Pharmacology and Toxicology, 2018, 122, 429-435.	1.2	4
64	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
65	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
66	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
67	Phosphoryl Compounds. , 2015, , 365-562.		2
68	Chemical Disarmament in a Technologically Evolving World. ACS Symposium Series, 2018, , 3-35.	0.5	2
69	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
70	Thiophosphoryl Compounds. , 2015, , 563-632.		1
71	Phosphonyl Compounds. , 2015, , 91-325.		1
72	Chemical Safety and Security in a Rapidly Changing World. Chemistry International, 2016, 38, .	0.3	1

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73	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
74	Fluoroalkene Chemistry. Part 2. Reactions of Thiols with Some Toxic 1,2-Dichlorinated Polyfluorocycloalkenes.. ChemInform, 2004, 35, no.	0.1	0
75	Fluorinated Phosphorus Compounds. Part 10. Bis(fluoroalkyl) S-Alkyl Phosphorothiolates and Tris(fluoroalkyl) Phosphorothionates.. ChemInform, 2005, 36, no.	0.1	0
76	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
77	General Overview. , 2015, , 1-89.		0
78	Î¼â€Conotoxin KIIIA peptidomimetics that block human voltageâ€gated sodium channels. Peptide Science, 2021, 113, e24203.	1.0	0