Christopher A Reilly

List of Publications by Year
in descending order

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59	2,108	201674	233421
papers	citations	27 h-index	45 g-index

61	61	61	2526
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Capsaicinoids Cause Inflammation and Epithelial Cell Death through Activation of Vanilloid Receptors. Toxicological Sciences, 2003, 73, 170-181.	3.1	154
2	Metabolism of Capsaicin by Cytochrome P450 Produces Novel Dehydrogenated Metabolites and Decreases Cytotoxicity to Lung and Liver Cells. Chemical Research in Toxicology, 2003, 16, 336-349.	3.3	122
3	Human Lung Epithelial Cells Express a Functional Cold-Sensing TRPM8 Variant. American Journal of Respiratory Cell and Molecular Biology, 2008, 39, 466-474.	2.9	118
4	Determination of capsaicin, dihydrocapsaicin, and nonivamide in self-defense weapons by liquid chromatographyâ€“mass spectrometry and liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2001, 912, 259-267.	3.7	106
5	Quantitative Analysis of Capsaicinoids in Fresh Peppers, Oleoresin Capsicum and Pepper Spray Products. Journal of Forensic Sciences, 2001, 46, 502-509.	1.6	96
6	Electrophilic Components of Diesel Exhaust Particles (DEP) Activate Transient Receptor Potential Ankyrin-1 (TRPA1): A Probable Mechanism of Acute Pulmonary Toxicity for DEP. Chemical Research in Toxicology, 2011, 24, 950-959.	3.3	85
7	Increased transcription of cytokine genes in human lung epithelial cells through activation of a TRPM8 variant by cold temperatures. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L194-L200.	2.9	81
8	Metabolism of Capsaicinoids by P450 Enzymes: A Review of Recent Findings on Reaction Mechanisms, Bio-Activation, and Detoxification Processes. Drug Metabolism Reviews, 2006, 38, 685-706.	3.6	80
9	Transient Receptor Potential Vanilloid 1 Agonists Cause Endoplasmic Reticulum Stress and Cell Death in Human Lung Cells. Journal of Pharmacology and Experimental Therapeutics, 2007, 321, 830-838.	2.5	79
10	Activation of Transient Receptor Potential Ankyrin-1 (TRPA1) in Lung Cells by Wood Smoke Particulate Material. Chemical Research in Toxicology, 2013, 26, 750-758.	3.3	76
11	Calcium-dependent and independent mechanisms of capsaicin receptor (TRPV1)-mediated cytokine production and cell death in human bronchial epithelial cells. Journal of Biochemical and Molecular Toxicology, 2005, 19, 266-275.	3.0	74
12	A Bacterial Source for Mollusk Pyrone Polyketides. Chemistry and Biology, 2013, 20, 73-81.	6.0	71
13	Inflammatory Cytokines and Cell Death in BEAS-2B Lung Cells Treated with Soil Dust, Lipopolysaccharide, and Surface-Modified Particles. Toxicological Sciences, 2004, 82, 88-96.	3.1	62
14	Determination of Capsaicin, Nonivamide, and Dihydrocapsaicin in Blood and Tissue by Liquid Chromatography-Tandem Mass Spectrometry. Journal of Analytical Toxicology, 2002, 26, 313-319.	2.8	59
15	Transient Receptor Potential Vanilloid-1 (TRPV1) Is a Mediator of Lung Toxicity for Coal Fly Ash Particulate Material. Molecular Pharmacology, 2012, 81, 411-419.	2.3	58
16	Fluticasone Propionate Pharmacogenetics: CYP3A4*22 Polymorphism and Pediatric Asthma Control. Journal of Pediatrics, 2013, 162, 1222-1227.e2.	1.8	50
17	Emerging Mechanistic Targets in Lung Injury Induced by Combustion-Generated Particles. Toxicological Sciences, 2013, 132, 253-267.	3.1	49
18	Effects of cell type and culture media on Interleukin-6 secretion in response to environmental particles. Toxicology in Vitro, 2008, 22, 498-509.	2.4	44

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19	Activation of Transient Receptor Potential Ankyrin-1 by Insoluble Particulate Material and Association with Asthma. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 893-901.	2.9	43
20	Structure-Activity Relationship of Capsaicin Analogs and Transient Receptor Potential Vanilloid 1-Mediated Human Lung Epithelial Cell Toxicity. Journal of Pharmacology and Experimental Therapeutics, 2011, 337, 400-410.	2.5	40
21	Contributions of TRPV1, endovanilloids, and endoplasmic reticulum stress in lung cell death in vitro and lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L111-L119.	2.9	39
22	Reactive Intermediates Produced from the Metabolism of the Vanilloid Ring of Capsaicinoids by P450 Enzymes. Chemical Research in Toxicology, 2013, 26, 55-66.	3.3	38
23	STRUCTURAL AND ENZYMATIC PARAMETERS THAT DETERMINE ALKYL DEHYDROGENATION/HYDROXYLATION OF CAPSAICINOIDS BY CYTOCHROME P450 ENZYMES. Drug Metabolism and Disposition, 2005, 33, 530-536.	3.3	36
24	TRPV1 Antagonists Elevate Cell Surface Populations of Receptor Protein and Exacerbate TRPV1-Mediated Toxicities in Human Lung Epithelial Cells. Toxicological Sciences, 2006, 89, 278-286.	3.1	35
25	Nobilamides Aâ€“H, Long-Acting Transient Receptor Potential Vanilloid-1 (TRPV1) Antagonists from Mollusk-Associated Bacteria. Journal of Medicinal Chemistry, 2011, 54, 3746-3755.	6.4	35
26	Dehydrogenation of Indoline by Cytochrome P450 Enzymes: A Novel â€œAromataseâ€•Process. Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 843-851.	2.5	34
27	Characterization of Transient Receptor Potential Vanilloid-1 (TRPV1) Variant Activation by Coal Fly Ash Particles and Associations with Altered Transient Receptor Potential Ankyrin-1 (TRPA1) Expression and Asthma. Journal of Biological Chemistry, 2016, 291, 24866-24879.	3.4	31
28	trans-Anethole of Fennel Oil is a Selective and Nonelectrophilic Agonist of the TRPA1 Ion Channel. Molecular Pharmacology, 2019, 95, 433-441.	2.3	25
29	Effects of fuel components and combustion particle physicochemical properties on toxicological responses of lung cells. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 295-309.	1.7	24
30	Activation of TRPV3 by Wood Smoke Particles and Roles in Pneumotoxicity. Chemical Research in Toxicology, 2018, 31, 291-301.	3.3	22
31	Wood Smoke Particles Stimulate MUC5AC Overproduction by Human Bronchial Epithelial Cells Through TRPA1 and EGFR Signaling. Toxicological Sciences, 2020, 174, 278-290.	3.1	20
32	Analysis of the Nutritional Supplement 1AD, Its Metabolites, and Related Endogenous Hormones in Biological Matrices Using Liquid Chromatography-Tandem Mass Spectrometry. Journal of Analytical Toxicology, 2004, 28, 1-10.	2.8	19
33	Differential Activation of TRPA1 by Diesel Exhaust Particles: Relationships between Chemical Composition, Potency, and Lung Toxicity. Chemical Research in Toxicology, 2019, 32, 1040-1050.	3.3	16
34	Inhibition of FAAH, TRPV1, and COX2 by NSAIDâ€“serotonin conjugates. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 5695-5698.	2.2	15
35	Drofenine: a 2â€APB analog with improved selectivity for human TRPV3. Pharmacology Research and Perspectives, 2014, 2, e00062.	2.4	15
36	Activation of Human Transient Receptor Potential Melastatin-8 (TRPM8) by Calcium-Rich Particulate Materials and Effects on Human Lung Cells. Molecular Pharmacology, 2017, 92, 653-664.	2.3	15

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37	Detection of Pepper Spray Residues on Fabrics Using Liquid Chromatography-Mass Spectrometry. Journal of Forensic Sciences, 2002, 47, 37-43.	1.6	14
38	Development and validation of an assay for quantifying budesonide in dried blood spots collected from extremely low gestational age neonates. Journal of Pharmaceutical and Biomedical Analysis, 2019, 167, 7-14.	2.8	13
39	Effect of CYP3A5*3 on asthma control among children treated with inhaled beclomethasone. Journal of Allergy and Clinical Immunology, 2015, 136, 505-507.	2.9	12
40	Transient Receptor Potential Ion Channelâ€“Dependent Toxicity of Silica Nanoparticles and Poly(amido) Tj ETQq0 0 0 rgBT /Overlock 10	2.5	12
41	Transient Receptor Potential Ankyrin-1 and Vanilloid-3 Differentially Regulate Endoplasmic Reticulum Stress and Cytotoxicity in Human Lung Epithelial Cells After Pneumotoxic Wood Smoke Particle Exposure. Molecular Pharmacology, 2020, 98, 586-597.	2.3	10
42	Onydecalins, Fungal Polyketides with Anti-Histoplasma and Anti-TRP Activity. Journal of Natural Products, 2018, 81, 2605-2611.	3.0	9
43	Inhaled Remifentanil in Rodents. Anesthesia and Analgesia, 2016, 122, 1831-1838.	2.2	8
44	Secondary Metabolites of Onygenales Fungi Exemplified by Aioliomyces pyridodomos. Journal of Natural Products, 2019, 82, 1616-1626.	3.0	8
45	Application of a quartz crystal microbalance to measure the mass concentration of combustion particle suspensions. Journal of Aerosol Science, 2019, 137, 105445.	3.8	7
46	Wood and Biomass Smoke: Addressing Human Health Risks and Exposures. Chemical Research in Toxicology, 2019, 32, 219-221.	3.3	7
47	Capsaicinoid metabolism by the generalist Helicoverpa armigera and specialist H. assulta: Species and tissue differences. Pesticide Biochemistry and Physiology, 2020, 163, 164-174.	3.6	6
48	Dynamic Expression of Transient Receptor Potential Vanilloid-3 and Integrated Signaling with Growth Factor Pathways during Lung Epithelial Wound Repair following Wood Smoke Particle and Other Forms of Lung Cell Injury. Molecular Pharmacology, 2021, 100, 295-307.	2.3	5
49	Comparison of biological responses between submerged, pseudo-air-liquid interface, and air-liquid interface exposure of A549 and differentiated THP-1 co-cultures to combustion-derived particles. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2022, 57, 540-551.	1.7	5
50	Effect of collection methods on combustion particle physicochemical properties and their biological response in a human macrophage-like cell line. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2019, 54, 1170-1185.	1.7	4
51	Neuroactive Type-A Î³-Aminobutyric Acid Receptor Allosteric Modulator Steroids from the Hypobranchial Gland of Marine Mollusk, Conus geographus. Journal of Medicinal Chemistry, 2021, 64, 7033-7043.	6.4	4
52	Nicotinic Acetylcholine Receptor Partial Antagonist Polyamides from Tunicates and Their Predatory Sea Slugs. ACS Chemical Neuroscience, 2021, 12, 2693-2704.	3.5	4
53	Regulation of CYP3A genes by glucocorticoids in human lung cells. F1000Research, 2013, 2, 173.	1.6	4
54	Zhx2 Is a Candidate Gene Underlying Oxymorphone Metabolite Brain Concentration Associated with State-Dependent Oxycodone Reward. Journal of Pharmacology and Experimental Therapeutics, 2022, 382, 167-180.	2.5	4

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55	Cytochrome P450-Dependent Modification of Capsaicinoids: Pharmacological Inactivation and Bioactivation Mechanisms. , 2013, , 107-129.		2
56	Quantitative Assay Validation for Oxandrolone in Human Plasma Using LCâ€“MS-MS. Journal of Analytical Toxicology, 2015, 39, 526-531.	2.8	2
57	The Tunicate Metabolite 2-(3,5-Diiodo-4-methoxyphenyl)ethan-1-amine Targets Ion Channels of Vertebrate Sensory Neurons. ACS Chemical Biology, 2021, 16, 1654-1662.	3.4	1
58	Effect of combustion particle morphology on biological responses in a Co-culture of human lung and macrophage cells. Atmospheric Environment, 2022, 284, 119194.	4.1	1
59	A reduced complexity cross between BALB/c substrains identifies Zhx2 as a candidate gene underlying oxycodone metabolite brain concentration and stateâ€dependent learning of opioid reward. FASEB Journal, 2022, 36, .	0.5	0