

Christopher A Reilly

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,108
citations

201674

27
h-index

233421

45
g-index

61
all docs

61
docs citations

61
times ranked

2526
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A reduced complexity cross between BALB/c substrains identifies Zhx2 as a candidate gene underlying oxycodone metabolite brain concentration and state-dependent learning of opioid reward. <i>FASEB Journal</i> , 2022, 36, . | 0.5 | 0 |
| 2 | Effect of combustion particle morphology on biological responses in a Co-culture of human lung and macrophage cells. <i>Atmospheric Environment</i> , 2022, 284, 119194. | 4.1 | 1 |
| 3 | Zhx2 Is a Candidate Gene Underlying Oxymorphone Metabolite Brain Concentration Associated with State-Dependent Oxycodone Reward. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2022, 382, 167-180. | 2.5 | 4 |
| 4 | 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. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2022, 57, 540-551. | 1.7 | 5 |
| 5 | Neuroactive Type-A β -Aminobutyric Acid Receptor Allosteric Modulator Steroids from the Hypobranchial Gland of Marine Mollusk, <i>Conus geographus</i> . <i>Journal of Medicinal Chemistry</i> , 2021, 64, 7033-7043. | 6.4 | 4 |
| 6 | 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. <i>Molecular Pharmacology</i> , 2021, 100, 295-307. | 2.3 | 5 |
| 7 | Nicotinic Acetylcholine Receptor Partial Antagonist Polyamides from Tunicates and Their Predatory Sea Slugs. <i>ACS Chemical Neuroscience</i> , 2021, 12, 2693-2704. | 3.5 | 4 |
| 8 | The Tunicate Metabolite 2-(3,5-Diiodo-4-methoxyphenyl)ethan-1-amine Targets Ion Channels of Vertebrate Sensory Neurons. <i>ACS Chemical Biology</i> , 2021, 16, 1654-1662. | 3.4 | 1 |
| 9 | Capsaicinoid metabolism by the generalist <i>Helicoverpa armigera</i> and specialist <i>H. assulta</i> : Species and tissue differences. <i>Pesticide Biochemistry and Physiology</i> , 2020, 163, 164-174. | 3.6 | 6 |
| 10 | 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. <i>Molecular Pharmacology</i> , 2020, 98, 586-597. | 2.3 | 10 |
| 11 | Wood Smoke Particles Stimulate MUC5AC Overproduction by Human Bronchial Epithelial Cells Through TRPA1 and EGFR Signaling. <i>Toxicological Sciences</i> , 2020, 174, 278-290. | 3.1 | 20 |
| 12 | Effect of collection methods on combustion particle physicochemical properties and their biological response in a human macrophage-like cell line. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 1170-1185. | 1.7 | 4 |
| 13 | Application of a quartz crystal microbalance to measure the mass concentration of combustion particle suspensions. <i>Journal of Aerosol Science</i> , 2019, 137, 105445. | 3.8 | 7 |
| 14 | <i>trans</i> -Anethole of Fennel Oil is a Selective and Nonelectrophilic Agonist of the TRPA1 Ion Channel. <i>Molecular Pharmacology</i> , 2019, 95, 433-441. | 2.3 | 25 |
| 15 | Secondary Metabolites of Onygenales Fungi Exemplified by <i>Aioliomyces pyridodomos</i> . <i>Journal of Natural Products</i> , 2019, 82, 1616-1626. | 3.0 | 8 |
| 16 | Differential Activation of TRPA1 by Diesel Exhaust Particles: Relationships between Chemical Composition, Potency, and Lung Toxicity. <i>Chemical Research in Toxicology</i> , 2019, 32, 1040-1050. | 3.3 | 16 |
| 17 | Development and validation of an assay for quantifying budesonide in dried blood spots collected from extremely low gestational age neonates. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 167, 7-14. | 2.8 | 13 |
| 18 | Wood and Biomass Smoke: Addressing Human Health Risks and Exposures. <i>Chemical Research in Toxicology</i> , 2019, 32, 219-221. | 3.3 | 7 |

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|----|--|-----------|-----------|
| 19 | Transient Receptor Potential Ion Channel-Dependent Toxicity of Silica Nanoparticles and Poly(amido) Tj ETQq1 | 1.0784314 | 12 |
| 20 | Activation of TRPV3 by Wood Smoke Particles and Roles in Pneumotoxicity. <i>Chemical Research in Toxicology</i> , 2018, 31, 291-301. | 3.3 | 22 |
| 21 | Effects of fuel components and combustion particle physicochemical properties on toxicological responses of lung cells. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018, 53, 295-309. | 1.7 | 24 |
| 22 | Onydecalsins, Fungal Polyketides with Anti- <i>Histoplasma</i> and Anti-TRP Activity. <i>Journal of Natural Products</i> , 2018, 81, 2605-2611. | 3.0 | 9 |
| 23 | Activation of Human Transient Receptor Potential Melastatin-8 (TRPM8) by Calcium-Rich Particulate Materials and Effects on Human Lung Cells. <i>Molecular Pharmacology</i> , 2017, 92, 653-664. | 2.3 | 15 |
| 24 | Inhaled Remifentanyl in Rodents. <i>Anesthesia and Analgesia</i> , 2016, 122, 1831-1838. | 2.2 | 8 |
| 25 | 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. <i>Journal of Biological Chemistry</i> , 2016, 291, 24866-24879. | 3.4 | 31 |
| 26 | Activation of Transient Receptor Potential Ankyrin-1 by Insoluble Particulate Material and Association with Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 53, 893-901. | 2.9 | 43 |
| 27 | Quantitative Assay Validation for Oxandrolone in Human Plasma Using LC-MS-MS. <i>Journal of Analytical Toxicology</i> , 2015, 39, 526-531. | 2.8 | 2 |
| 28 | Effect of CYP3A5*3 on asthma control among children treated with inhaled beclomethasone. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 505-507. | 2.9 | 12 |
| 29 | Inhibition of FAAH, TRPV1, and COX2 by NSAID-serotonin conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5695-5698. | 2.2 | 15 |
| 30 | Drofenine: a 2-APB analog with improved selectivity for human TRPV3. <i>Pharmacology Research and Perspectives</i> , 2014, 2, e00062. | 2.4 | 15 |
| 31 | Emerging Mechanistic Targets in Lung Injury Induced by Combustion-Generated Particles. <i>Toxicological Sciences</i> , 2013, 132, 253-267. | 3.1 | 49 |
| 32 | Fluticasone Propionate Pharmacogenetics: CYP3A4*22 Polymorphism and Pediatric Asthma Control. <i>Journal of Pediatrics</i> , 2013, 162, 1222-1227.e2. | 1.8 | 50 |
| 33 | A Bacterial Source for Mollusk Pyrone Polyketides. <i>Chemistry and Biology</i> , 2013, 20, 73-81. | 6.0 | 71 |
| 34 | Cytochrome P450-Dependent Modification of Capsaicinoids: Pharmacological Inactivation and Bioactivation Mechanisms. , 2013, , 107-129. | | 2 |
| 35 | Reactive Intermediates Produced from the Metabolism of the Vanilloid Ring of Capsaicinoids by P450 Enzymes. <i>Chemical Research in Toxicology</i> , 2013, 26, 55-66. | 3.3 | 38 |
| 36 | Activation of Transient Receptor Potential Ankyrin-1 (TRPA1) in Lung Cells by Wood Smoke Particulate Material. <i>Chemical Research in Toxicology</i> , 2013, 26, 750-758. | 3.3 | 76 |

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|----|---|-----|-----------|
| 37 | Regulation of CYP3A genes by glucocorticoids in human lung cells. <i>F1000Research</i> , 2013, 2, 173. | 1.6 | 4 |
| 38 | Contributions of TRPV1, endovanilloids, and endoplasmic reticulum stress in lung cell death in vitro and lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 302, L111-L119. | 2.9 | 39 |
| 39 | Transient Receptor Potential Vanilloid-1 (TRPV1) Is a Mediator of Lung Toxicity for Coal Fly Ash Particulate Material. <i>Molecular Pharmacology</i> , 2012, 81, 411-419. | 2.3 | 58 |
| 40 | Electrophilic Components of Diesel Exhaust Particles (DEP) Activate Transient Receptor Potential Ankyrin-1 (TRPA1): A Probable Mechanism of Acute Pulmonary Toxicity for DEP. <i>Chemical Research in Toxicology</i> , 2011, 24, 950-959. | 3.3 | 85 |
| 41 | Nobilamides Aâ€“H, Long-Acting Transient Receptor Potential Vanilloid-1 (TRPV1) Antagonists from Mollusk-Associated Bacteria. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 3746-3755. | 6.4 | 35 |
| 42 | Structure-Activity Relationship of Capsaicin Analogs and Transient Receptor Potential Vanilloid 1-Mediated Human Lung Epithelial Cell Toxicity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 337, 400-410. | 2.5 | 40 |
| 43 | Effects of cell type and culture media on Interleukin-6 secretion in response to environmental particles. <i>Toxicology in Vitro</i> , 2008, 22, 498-509. | 2.4 | 44 |
| 44 | Human Lung Epithelial Cells Express a Functional Cold-Sensing TRPM8 Variant. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 39, 466-474. | 2.9 | 118 |
| 45 | Increased transcription of cytokine genes in human lung epithelial cells through activation of a TRPM8 variant by cold temperatures. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 295, L194-L200. | 2.9 | 81 |
| 46 | Dehydrogenation of Indoline by Cytochrome P450 Enzymes: A Novel â€œAromataseâ€•Process. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 322, 843-851. | 2.5 | 34 |
| 47 | Transient Receptor Potential Vanilloid 1 Agonists Cause Endoplasmic Reticulum Stress and Cell Death in Human Lung Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 830-838. | 2.5 | 79 |
| 48 | Metabolism of Capsaicinoids by P450 Enzymes: A Review of Recent Findings on Reaction Mechanisms, Bio-Activation, and Detoxification Processes. <i>Drug Metabolism Reviews</i> , 2006, 38, 685-706. | 3.6 | 80 |
| 49 | TRPV1 Antagonists Elevate Cell Surface Populations of Receptor Protein and Exacerbate TRPV1-Mediated Toxicities in Human Lung Epithelial Cells. <i>Toxicological Sciences</i> , 2006, 89, 278-286. | 3.1 | 35 |
| 50 | Calcium-dependent and independent mechanisms of capsaicin receptor (TRPV1)-mediated cytokine production and cell death in human bronchial epithelial cells. <i>Journal of Biochemical and Molecular Toxicology</i> , 2005, 19, 266-275. | 3.0 | 74 |
| 51 | STRUCTURAL AND ENZYMATIC PARAMETERS THAT DETERMINE ALKYL DEHYDROGENATION/HYDROXYLATION OF CAPSAICINOIDS BY CYTOCHROME P450 ENZYMES. <i>Drug Metabolism and Disposition</i> , 2005, 33, 530-536. | 3.3 | 36 |
| 52 | Analysis of the Nutritional Supplement 1AD, Its Metabolites, and Related Endogenous Hormones in Biological Matrices Using Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2004, 28, 1-10. | 2.8 | 19 |
| 53 | Inflammatory Cytokines and Cell Death in BEAS-2B Lung Cells Treated with Soil Dust, Lipopolysaccharide, and Surface-Modified Particles. <i>Toxicological Sciences</i> , 2004, 82, 88-96. | 3.1 | 62 |
| 54 | Metabolism of Capsaicin by Cytochrome P450 Produces Novel Dehydrogenated Metabolites and Decreases Cytotoxicity to Lung and Liver Cells. <i>Chemical Research in Toxicology</i> , 2003, 16, 336-349. | 3.3 | 122 |

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|----|--|-----|-----------|
| 55 | Capsaicinoids Cause Inflammation and Epithelial Cell Death through Activation of Vanilloid Receptors. <i>Toxicological Sciences</i> , 2003, 73, 170-181. | 3.1 | 154 |
| 56 | Determination of Capsaicin, Nonivamide, and Dihydrocapsaicin in Blood and Tissue by Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2002, 26, 313-319. | 2.8 | 59 |
| 57 | Detection of Pepper Spray Residues on Fabrics Using Liquid Chromatography-Mass Spectrometry. <i>Journal of Forensic Sciences</i> , 2002, 47, 37-43. | 1.6 | 14 |
| 58 | Determination of capsaicin, dihydrocapsaicin, and nonivamide in self-defense weapons by liquid chromatography-mass spectrometry and liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2001, 912, 259-267. | 3.7 | 106 |
| 59 | Quantitative Analysis of Capsaicinoids in Fresh Peppers, Oleoresin Capsicum and Pepper Spray Products. <i>Journal of Forensic Sciences</i> , 2001, 46, 502-509. | 1.6 | 96 |