

# Bruce D Hammock

## List of Publications by Year in descending order

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Version: 2024-02-01

1,106  
papers

53,323  
citations

1697

104  
h-index

6282

158  
g-index

1118  
all docs

1118  
docs citations

1118  
times ranked

30818  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronic Diclofenac Exposure Increases Mitochondrial Oxidative Stress, Inflammatory Mediators, and Cardiac Dysfunction. <i>Cardiovascular Drugs and Therapy</i> , 2023, 37, 25-37.	1.3	9
2	CRISPR/Cas9-mediated inactivation of the phosphatase activity of soluble epoxide hydrolase prevents obesity and cardiac ischemic injury. <i>Journal of Advanced Research</i> , 2023, 43, 163-174.	4.4	7
3	Structure-guided discovery of potent and oral soluble epoxide hydrolase inhibitors for the treatment of neuropathic pain. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 1377-1389.	5.7	5
4	Fuonanobody-based nanosensor via fluorescence resonance energy transfer for ultrasensitive detection of ochratoxin A. <i>Journal of Hazardous Materials</i> , 2022, 422, 126838.	6.5	35
5	Clinical and Preclinical Evidence for Roles of Soluble Epoxide Hydrolase in Osteoarthritis Knee Pain. <i>Arthritis and Rheumatology</i> , 2022, 74, 623-633.	2.9	10
6	Soluble epoxide hydrolase inhibitor can protect the femoral head against tobacco smoke exposure-induced osteonecrosis in spontaneously hypertensive rats. <i>Toxicology</i> , 2022, 465, 153045.	2.0	2
7	“Ready-to-use” immunosensor for the detection of small molecules with fast readout. <i>Biosensors and Bioelectronics</i> , 2022, 201, 113968.	5.3	11
8	A Fast and Selective Approach for Profiling Vicinal Diols Using Liquid Chromatography-Post Column Derivatization-Double Precursor Ion Scanning Mass Spectrometry. <i>Molecules</i> , 2022, 27, 283.	1.7	3
9	A Polydopamine-Coated Gold Nanoparticles Quenching Quantum Dots-Based Dual-Readout Lateral Flow Immunoassay for Sensitive Detection of Carbendazim in Agriproducts. <i>Biosensors</i> , 2022, 12, 83.	2.3	7
10	Camelization of a murine single-domain antibody against aflatoxin B1 and its antigen-binding analysis. <i>Mycotoxin Research</i> , 2022, 38, 51-60.	1.3	4
11	Development of a Rapid Gold Nanoparticle Immunochromatographic Strip Based on the Nanobody for Detecting 2,4-Dichlorophenoxyacetic Acid. <i>Biosensors</i> , 2022, 12, 84.	2.3	7
12	Nanobodies for accurate recognition of iso-tenuazonic acid and development of sensitive immunoassay for contaminant detection in foods. <i>Food Control</i> , 2022, 136, 108835.	2.8	5
13	Kurarione alleviated Parkinson's disease via stabilization of epoxyeicosatrienoic acids in animal model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	37
14	Discovery and In Vivo Proof of Concept of a Highly Potent Dual Inhibitor of Soluble Epoxide Hydrolase and Acetylcholinesterase for the Treatment of Alzheimer’s Disease. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 4909-4925.	2.9	22
15	Production and Characterization of Biotinylated Anti-fenitrothion Nanobodies and Development of Sensitive Fluoroimmunoassay. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 4102-4111.	2.4	16
16	Soluble epoxide hydrolase inhibition avoid formalin-induced inflammatory hyperalgesia in the temporomandibular joint. <i>Inflammopharmacology</i> , 2022, 30, 981-990.	1.9	3
17	sEH-derived metabolites of linoleic acid drive pathologic inflammation while impairing key innate immune cell function in burn injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2120691119.	3.3	23
18	Improved ELISA for linoleate-derived diols in human plasma utilizing a polyHRP-based secondary tracer. <i>Analytical Methods</i> , 2022, , .	1.3	3

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19	Novel aerosol treatment of airway hyper-reactivity and inflammation in a murine model of asthma with a soluble epoxide hydrolase inhibitor. <i>PLoS ONE</i> , 2022, 17, e0266608.	1.1	1
20	New Approach to Generate Ratiometric Signals on Immunochromatographic Strips for Small Molecules. <i>Analytical Chemistry</i> , 2022, 94, 7358-7367.	3.2	13
21	A highly sensitive bio-barcode immunoassay for multi-residue detection of organophosphate pesticides based on fluorescence anti-quenching. <i>Journal of Pharmaceutical Analysis</i> , 2022, 12, 637-644.	2.4	7
22	Development of the Au@Pt-Labeled Nanobody Lateral-Flow Nanozyme Immunoassay for Visual Detection of 3-Phenoxybenzoic Acid in Milk and Lake Water. <i>ACS Agricultural Science and Technology</i> , 2022, 2, 573-579.	1.0	6
23	Omega-6 Polyunsaturated Fatty Acids Enhance Tumor Aggressiveness in Experimental Lung Cancer Model: Important Role of Oxylipins. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6179.	1.8	12
24	Role of the soluble epoxide hydrolase in the hair follicle stem cell homeostasis and hair growth. <i>Pflugers Archiv European Journal of Physiology</i> , 2022, 474, 1021-1035.	1.3	1
25	Design and Characterization of a Novel Hapten and Preparation of Monoclonal Antibody for Detecting Atrazine. <i>Foods</i> , 2022, 11, 1726.	1.9	5
26	Detection of Acrylamide in Foodstuffs by Nanobody-Based Immunoassays. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 9179-9186.	2.4	10
27	The epoxy fatty acid pathway enhances cAMP in mammalian cells through multiple mechanisms. <i>Prostaglandins and Other Lipid Mediators</i> , 2022, 162, 106662.	1.0	1
28	Development of a sensitive non-competitive immunoassay via immunocomplex binding peptide for the determination of ethyl carbamate in wine samples. <i>Journal of Hazardous Materials</i> , 2021, 406, 124288.	6.5	30
29	Soluble Epoxide Hydrolase Hepatic Deficiency Ameliorates Alcohol-Associated Liver Disease. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 815-830.	2.3	11
30	Generation of functional single-chain fragment variable from hybridoma and development of chemiluminescence enzyme immunoassay for determination of total malachite green in tilapia fish. <i>Food Chemistry</i> , 2021, 337, 127780.	4.2	33
31	Highly specific nanobody against herbicide 2,4-dichlorophenoxyacetic acid for monitoring of its contamination in environmental water. <i>Science of the Total Environment</i> , 2021, 753, 141950.	3.9	26
32	Target-Mediated Drug Disposition: A Class Effect of Soluble Epoxide Hydrolase Inhibitors. <i>Journal of Clinical Pharmacology</i> , 2021, 61, 531-537.	1.0	7
33	Identification of the Functional Binding Site for the Convulsant Tetramethylenedisulfotetramine in the Pore of the $\alpha 2 \beta 3 \gamma 2$ GABA <sub>A</sub> Receptor. <i>Molecular Pharmacology</i> , 2021, 99, 78-91.	1.0	7
34	Reply to Reeves and Dunn: Risk for autism in offspring after maternal glyphosate exposure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2016496118.	3.3	1
35	Soluble epoxide hydrolase inhibition improves cognitive function and parenchymal artery dilation in a hypertensive model of chronic cerebral hypoperfusion. <i>Microcirculation</i> , 2021, 28, e12653.	1.0	16
36	Carcinogenesis: Failure of resolution of inflammation?. , 2021, 218, 107670.		101

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37	Fusion expression of nanobodies specific for the insecticide fipronil on magnetosomes in <i>Magnetospirillum gryphiswaldense</i> MSR-1. <i>Journal of Nanobiotechnology</i> , 2021, 19, 27.	4.2	10
38	Development of a chemiluminescence immunoassay for detection of tenuazonic acid mycotoxin in fruit juices with a specific camel polyclonal antibody. <i>Analytical Methods</i> , 2021, 13, 1795-1802.	1.3	6
39	Inhibition of the Soluble Epoxide Hydrolase as an Analgesic Strategy: A Review of Preclinical Evidence. <i>Journal of Pain Research</i> , 2021, Volume 14, 61-72.	0.8	22
40	Development of nanobody-based flow-through dot ELISA and lateral-flow immunoassay for rapid detection of 3-phenoxybenzoic acid. <i>Analytical Methods</i> , 2021, 13, 1757-1765.	1.3	17
41	Soluble Epoxide Hydrolase in Aged Female Mice and Human Explanted Hearts Following Ischemic Injury. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1691.	1.8	12
42	Movement to the Clinic of Soluble Epoxide Hydrolase Inhibitor EC5026 as an Analgesic for Neuropathic Pain and for Use as a Nonaddictive Opioid Alternative. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 1856-1872.	2.9	76
43	Development of a nanobody-based ELISA for the detection of the insecticides cyantraniliprole and chlorantraniliprole in soil and the vegetable bok choy. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2503-2511.	1.9	15
44	Ibuprofen alters epoxide hydrolase activity and epoxy-oxylipin metabolites associated with different metabolic pathways in murine livers. <i>Scientific Reports</i> , 2021, 11, 7042.	1.6	5
45	Adrenic Acid-Derived Epoxy Fatty Acids Are Naturally Occurring Lipids and Their Methyl Ester Prodrug Reduces Endoplasmic Reticulum Stress and Inflammatory Pain. <i>ACS Omega</i> , 2021, 6, 7165-7174.	1.6	13
46	Plasma Linoleate Diols Are Potential Biomarkers for Severe COVID-19 Infections. <i>Frontiers in Physiology</i> , 2021, 12, 663869.	1.3	43
47	A Soluble Epoxide Hydrolase Inhibitor, 1-trifluoromethoxyphenyl-3-(1-propionylpiperidin-4-yl) Urea, Ameliorates Experimental Autoimmune Encephalomyelitis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4650.	1.8	10
48	Enhanced Non-Toxic Immunodetection of <i>Alternaria</i> Mycotoxin Tenuazonic Acid Based on Ferritin-Displayed Anti-Idiotypic Nanobody-Nanoluciferase Multimers. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 4911-4917.	2.4	17
49	Soluble epoxide hydrolase deficiency attenuates lipotoxic cardiomyopathy via upregulation of AMPK-mTORC mediated autophagy. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 154, 80-91.	0.9	15
50	Relative Importance of Soluble and Microsomal Epoxide Hydrolases for the Hydrolysis of Epoxy-Fatty Acids in Human Tissues. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4993.	1.8	14
51	From the Design to the <i>In Vivo</i> Evaluation of Benzohomoadamantane-Derived Soluble Epoxide Hydrolase Inhibitors for the Treatment of Acute Pancreatitis. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 5429-5446.	2.9	12
52	Natural Products in the Prevention of Metabolic Diseases: Lessons Learned from the 20th KAST Frontier Scientists Workshop. <i>Nutrients</i> , 2021, 13, 1881.	1.7	4
53	Activity of sEH and Oxidant Status during Systemic Bovine Coliform Mastitis. <i>Antioxidants</i> , 2021, 10, 812.	2.2	5
54	Generation of dual functional nanobody-nanoluciferase fusion and its potential in bioluminescence enzyme immunoassay for trace glypican-3 in serum. <i>Sensors and Actuators B: Chemical</i> , 2021, 336, 129717.	4.0	24

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55	Pharmacokinetics, Metabolite Measurement, and Biomarker Identification of Dermal Exposure to Permethrin Using Accelerator Mass Spectrometry. <i>Toxicological Sciences</i> , 2021, 183, 49-59.	1.4	7
56	Differential Effects of 17,18-EEQ and 19,20-EDP Combined with Soluble Epoxide Hydrolase Inhibitor t-TUCB on Diet-Induced Obesity in Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8267.	1.8	9
57	Immune response dynamics in COVID-19 patients to SARS-CoV-2 and other human coronaviruses. <i>PLoS ONE</i> , 2021, 16, e0254367.	1.1	17
58	Role of Epoxide Hydrolases and Cytochrome P450s on Metabolism of KZR-616, a First-in-Class Selective Inhibitor of the Immunoproteasome. <i>Drug Metabolism and Disposition</i> , 2021, 49, 810-821.	1.7	9
59	Development of a direct competitive enzyme-linked immunosorbent assay for quantitation of sodium saccharin residue in food. <i>Journal of Food Science</i> , 2021, 86, 3720-3729.	1.5	1
60	Autism-like Behaviors in Male Juvenile Offspring after Maternal Glyphosate Exposure. <i>Clinical Psychopharmacology and Neuroscience</i> , 2021, 19, 554-558.	0.9	11
61	EPHX1 mutations cause a lipotrophic diabetes syndrome due to impaired epoxide hydrolysis and increased cellular senescence. <i>ELife</i> , 2021, 10, .	2.8	16
62	Sortase-Mediated Phage Decoration for Analytical Applications. <i>Analytical Chemistry</i> , 2021, 93, 11800-11808.	3.2	8
63	TPPU treatment of burned mice dampens inflammation and generation of bioactive DHET which impairs neutrophil function. <i>Scientific Reports</i> , 2021, 11, 16555.	1.6	8
64	Genetic deficiency or pharmacological inhibition of soluble epoxide hydrolase ameliorates high fat diet-induced pancreatic $\beta$ -cell dysfunction and loss. <i>Free Radical Biology and Medicine</i> , 2021, 172, 48-57.	1.3	5
65	Multitarget molecule, PTUPB, to treat diabetic nephropathy in rats. <i>British Journal of Pharmacology</i> , 2021, 178, 4468-4484.	2.7	6
66	Species Differences in Metabolism of Soluble Epoxide Hydrolase Inhibitor, EC1728, Highlight the Importance of Clinically Relevant Screening Mechanisms in Drug Development. <i>Molecules</i> , 2021, 26, 5034.	1.7	3
67	Ingestion of <i>Faecalibaculum rodentium</i> causes depression-like phenotypes in resilient <i>Ephx2</i> knock-out mice: A role of brain-gut microbiota axis via the subdiaphragmatic vagus nerve. <i>Journal of Affective Disorders</i> , 2021, 292, 565-573.	2.0	63
68	Smartphone-Based Dual-Channel Immunochromatographic Test Strip with Polymer Quantum Dot Labels for Simultaneous Detection of Cypermethrin and 3-Phenoxybenzoic Acid. <i>Analytical Chemistry</i> , 2021, 93, 13658-13666.	3.2	17
69	Enhanced Bio-Barcode Immunoassay Using Droplet Digital PCR for Multiplex Detection of Organophosphate Pesticides. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 11131-11141.	2.4	2
70	Inhibition of sEH via stabilizing the level of EETs alleviated Alzheimer's disease through GSK3 $\beta$ signaling pathway. <i>Food and Chemical Toxicology</i> , 2021, 156, 112516.	1.8	23
71	Discovery of memantyl urea derivatives as potent soluble epoxide hydrolase inhibitors against lipopolysaccharide-induced sepsis. <i>European Journal of Medicinal Chemistry</i> , 2021, 223, 113678.	2.6	9
72	Discovery of Soluble Epoxide Hydrolase Inhibitors from Chemical Synthesis and Natural Products. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 184-215.	2.9	50

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73	Eicosanoid regulation of debris-stimulated metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
74	New Alkoxy- Analogues of Epoxyeicosatrienoic Acids Attenuate Cisplatin Nephrotoxicity In Vitro via Reduction of Mitochondrial Dysfunction, Oxidative Stress, Mitogen-Activated Protein Kinase Signaling, and Caspase Activation. Chemical Research in Toxicology, 2021, , .	1.7	5
75	Further exploration of the structure-activity relationship of dual soluble epoxide hydrolase/fatty acid amide hydrolase inhibitors. Bioorganic and Medicinal Chemistry, 2021, 51, 116507.	1.4	9
76	Soluble Epoxide Hydrolase. , 2021, , 1450-1456.		0
77	Sex-Specific Differences in Resolution of Airway Inflammation in Fat-1 Transgenic Mice Following Repetitive Agricultural Dust Exposure. Frontiers in Pharmacology, 2021, 12, 785193.	1.6	2
78	Soluble Epoxide Hydrolase Deletion Limits High-Fat Diet-Induced Inflammation. Frontiers in Pharmacology, 2021, 12, 778470.	1.6	3
79	COX-2/sEH Dual Inhibitor PTUPB Alleviates CCl4-Induced Liver Fibrosis and Portal Hypertension. Frontiers in Medicine, 2021, 8, 761517.	1.2	5
80	2-(Piperidin-4-yl)acetamides as Potent Inhibitors of Soluble Epoxide Hydrolase with Anti-Inflammatory Activity. Pharmaceuticals, 2021, 14, 1323.	1.7	2
81	Dual sEH/COX-2 Inhibition Using PTUPBâ€”A Promising Approach to Antiangiogenesis-Induced Nephrotoxicity. Frontiers in Pharmacology, 2021, 12, 744776.	1.6	4
82	Acute Hypercapnia/Ischemia Alters the Esterification of Arachidonic Acid and Docosahexaenoic Acid Epoxide Metabolites in Rat Brain Neutral Lipids. Lipids, 2020, 55, 7-22.	0.7	11
83	Cytochrome P450 derived epoxidized fatty acids as a therapeutic tool against neuroinflammatory diseases. Prostaglandins and Other Lipid Mediators, 2020, 147, 106385.	1.0	32
84	A rapid and simple fluorescence enzyme-linked immunosorbent assay for tetrabromobisphenol A in soil samples based on a bifunctional fusion protein. Ecotoxicology and Environmental Safety, 2020, 188, 109904.	2.9	18
85	COXâ€”/sEH dual inhibitor PTUPB alleviates bleomycinâ€”induced pulmonary fibrosis in mice via inhibiting senescence. FEBS Journal, 2020, 287, 1666-1680.	2.2	39
86	Ultrasensitive and rapid detection of ochratoxin A in agro-products by a nanobody-mediated FRET-based immunosensor. Journal of Hazardous Materials, 2020, 387, 121678.	6.5	49
87	Imidazolidine-2,4,5- and pyrimidine-2,4,6-triones â€” New primary pharmacophore for soluble epoxide hydrolase inhibitors with enhanced water solubility. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126908.	1.0	4
88	Soluble epoxide hydrolase inhibitor mediated analgesia lacks tolerance in rat models. Brain Research, 2020, 1728, 146573.	1.1	10
89	Construction of Immunomagnetic Particles with High Stability in Stringent Conditions by Site-Directed Immobilization of Multivalent Nanobodies onto Bacterial Magnetic Particles for the Environmental Detection of Tetrabromobisphenol-A. Analytical Chemistry, 2020, 92, 1114-1121.	3.2	31
90	Inactivation of Cys <sup>674</sup> in SERCA2 increases BP by inducing endoplasmic reticulum stress and soluble epoxide hydrolase. British Journal of Pharmacology, 2020, 177, 1793-1805.	2.7	19

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91	Soluble Epoxide Hydrolase Inhibition by t-TUCB Promotes Brown Adipogenesis and Reduces Serum Triglycerides in Diet-Induced Obesity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7039.	1.8	11
92	Cytochrome P450-derived linoleic acid metabolites EpOMEs and DiHOMEs: a review of recent studies. <i>Journal of Nutritional Biochemistry</i> , 2020, 86, 108484.	1.9	99
93	Lack of rewarding effects of a soluble epoxide hydrolase inhibitor TPPU in mice: Comparison with morphine. <i>Neuropsychopharmacology Reports</i> , 2020, 40, 412-416.	1.1	7
94	Vitamin D deficiency serves as a precursor to stunted growth and central adiposity in zebrafish. <i>Scientific Reports</i> , 2020, 10, 16032.	1.6	18
95	Development of multitarget inhibitors for the treatment of pain: Design, synthesis, biological evaluation and molecular modeling studies. <i>Bioorganic Chemistry</i> , 2020, 103, 104165.	2.0	9
96	EpOMEs act as immune suppressors in a lepidopteran insect, <i>Spodoptera exigua</i> . <i>Scientific Reports</i> , 2020, 10, 20183.	1.6	22
97	On-spot quantitative analysis of dicamba in field waters using a lateral flow immunochromatographic strip with smartphone imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6995-7006.	1.9	9
98	2-Oxaadamant-1-yl Ureas as Soluble Epoxide Hydrolase Inhibitors: <i>In Vivo</i> Evaluation in a Murine Model of Acute Pancreatitis. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9237-9257.	2.9	14
99	Bioisosteric substitution of adamantane with bicyclic lipophilic groups improves water solubility of human soluble epoxide hydrolase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127430.	1.0	14
100	Development of a nanobody tagged with streptavidin-binding peptide and its application in a Luminex fluoroimmunoassay for alpha fetal protein in serum. <i>RSC Advances</i> , 2020, 10, 23767-23774.	1.7	9
101	Sensitive Immunochromatographic Assay Using Highly Luminescent Quantum Dot Nanobeads as Tracer for the Detection of Cyproheptadine Hydrochloride in Animal-Derived Food. <i>Frontiers in Chemistry</i> , 2020, 8, 575.	1.8	3
102	Peripheral soluble epoxide hydrolase inhibition reduces hypernociception and inflammation in albumin-induced arthritis in temporomandibular joint of rats. <i>International Immunopharmacology</i> , 2020, 87, 106841.	1.7	16
103	Development of a Highly Sensitive Enzyme-Linked Immunosorbent Assay for Mouse Soluble Epoxide Hydrolase Detection by Combining a Polyclonal Capture Antibody with a Nanobody Tracer. <i>Analytical Chemistry</i> , 2020, 92, 11654-11663.	3.2	8
104	Chemiluminescent Enzyme Immunoassay and Bioluminescent Enzyme Immunoassay for Tenuazonic Acid Mycotoxin by Exploitation of Nanobody and Nanobody-Nanolumiferase Fusion. <i>Analytical Chemistry</i> , 2020, 92, 11935-11942.	3.2	43
105	Suppression of inflammation and fibrosis using soluble epoxide hydrolase inhibitors enhances cardiac stem cell-based therapy. <i>Stem Cells Translational Medicine</i> , 2020, 9, 1570-1584.	1.6	12
106	Resolution of eicosanoid/cytokine storm prevents carcinogen and inflammation-initiated hepatocellular cancer progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21576-21587.	3.3	48
107	$\omega$ -3 Polyunsaturated Fatty Acids on Colonic Inflammation and Colon Cancer: Roles of Lipid-Metabolizing Enzymes Involved. <i>Nutrients</i> , 2020, 12, 3301.	1.7	15
108	Soluble Epoxide Hydrolase Regulation of Lipid Mediators Limits Pain. <i>Neurotherapeutics</i> , 2020, 17, 900-916.	2.1	20

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109	Selection of Potent Inhibitors of Soluble Epoxide Hydrolase for Usage in Veterinary Medicine. <i>Frontiers in Veterinary Science</i> , 2020, 7, 580.	0.9	5
110	Using sulfuramidimidoyl fluorides that undergo sulfur(vi) fluoride exchange for inverse drug discovery. <i>Nature Chemistry</i> , 2020, 12, 906-913.	6.6	85
111	Epoxy Fatty Acids Are Promising Targets for Treatment of Pain, Cardiovascular Disease and Other Indications Characterized by Mitochondrial Dysfunction, Endoplasmic Stress and Inflammation. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1274, 71-99.	0.8	38
112	Early antihypertensive treatment and ischemia-induced acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, F563-F570.	1.3	11
113	<i>N</i> -Benzyl-linoleamide, a Constituent of <i>Lepidium meyenii</i> (Maca), Is an Orally Bioavailable Soluble Epoxide Hydrolase Inhibitor That Alleviates Inflammatory Pain. <i>Journal of Natural Products</i> , 2020, 83, 3689-3697.	1.5	9
114	An epoxide hydrolase inhibitor reduces neuroinflammation in a mouse model of Alzheimer's disease. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	77
115	Inflammation resolution: a dual-pronged approach to averting cytokine storms in COVID-19?. <i>Cancer and Metastasis Reviews</i> , 2020, 39, 337-340.	2.7	169
116	Maternal glyphosate exposure causes autism-like behaviors in offspring through increased expression of soluble epoxide hydrolase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11753-11759.	3.3	95
117	Soluble epoxide hydrolase inhibitor, TPPU, increases regulatory T cells pathway in an arthritis model. <i>FASEB Journal</i> , 2020, 34, 9074-9086.	0.2	22
118	Pharmacological Inhibition of Soluble Epoxide Hydrolase as a New Therapy for Alzheimer's Disease. <i>Neurotherapeutics</i> , 2020, 17, 1825-1835.	2.1	45
119	Vascular Lipidomic Profiling of Potential Endogenous Fatty Acid PPAR Ligands Reveals the Coronary Artery as Major Producer of CYP450-Derived Epoxy Fatty Acids. <i>Cells</i> , 2020, 9, 1096.	1.8	10
120	Aryl Hydrocarbon Receptor-Dependent inductions of omega-3 and omega-6 polyunsaturated fatty acid metabolism act inversely on tumor progression. <i>Scientific Reports</i> , 2020, 10, 7843.	1.6	16
121	An Ultrasensitive Bioluminescent Enzyme Immunoassay Based on Nanobody/Nanoluciferase Heptamer Fusion for the Detection of Tetrabromobisphenol A in Sediment. <i>Analytical Chemistry</i> , 2020, 92, 10083-10090.	3.2	29
122	Soluble epoxide hydrolase is an endogenous regulator of obesity-induced intestinal barrier dysfunction and bacterial translocation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8431-8436.	3.3	32
123	Effects of Linoleic Acid-Rich Diet on Plasma Profiles of Eicosanoids and Development of Colitis in <i>IL-10</i> <sup>-/-</sup> Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 7641-7647.	2.4	6
124	Eicosanoids. <i>American Journal of Pathology</i> , 2020, 190, 1782-1788.	1.9	115
125	Monitoring of the Organophosphate Pesticide Chlorpyrifos in Vegetable Samples from Local Markets in Northern Thailand by Developed Immunoassay. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4723.	1.2	37
126	Protostane-type triterpenoids as natural soluble epoxide hydrolase inhibitors: Inhibition potentials and molecular dynamics. <i>Bioorganic Chemistry</i> , 2020, 96, 103637.	2.0	25

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127	A COX-2/sEH dual inhibitor PTUPB ameliorates cecal ligation and puncture-induced sepsis in mice via anti-inflammation and anti-oxidative stress. <i>Biomedicine and Pharmacotherapy</i> , 2020, 126, 109907.	2.5	35
128	Single-chain variable fragment antibody-based immunochromatographic strip for rapid detection of fumonisin B1 in maize samples. <i>Food Chemistry</i> , 2020, 319, 126546.	4.2	30
129	Assessment of soluble epoxide hydrolase activity in vivo: A metabolomic approach. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 148, 106410.	1.0	7
130	An Innovative Nanobody-Based Electrochemical Immunosensor Using Decorated Nylon Nanofibers for Point-of-Care Monitoring of Human Exposure to Pyrethroid Insecticides. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 6159-6168.	4.0	50
131	PTUPB ameliorates high-fat diet-induced non-alcoholic fatty liver disease via inhibiting NLRP3 inflammasome activation in mice. <i>Biochemical and Biophysical Research Communications</i> , 2020, 523, 1020-1026.	1.0	32
132	Comparison of the toxicokinetics of the convulsants picrotoxinin and tetramethylenedisulfotetramine (TETS) in mice. <i>Archives of Toxicology</i> , 2020, 94, 1995-2007.	1.9	10
133	Development of Improved Double-Nanobody Sandwich ELISAs for Human Soluble Epoxide Hydrolase Detection in Peripheral Blood Mononuclear Cells of Diabetic Patients and the Prefrontal Cortex of Multiple Sclerosis Patients. <i>Analytical Chemistry</i> , 2020, 92, 7334-7342.	3.2	30
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968	Insecticidal effects of an insect-specific neurotoxin expressed by a recombinant baculovirus. <i>Virology</i> , 1991, 184, 777-780.	1.1	141
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1031	Optimization of assay conditions for epoxide metabolizing enzymes in <i>Trichoplusia ni</i> . <i>Insect Biochemistry</i> , 1986, 16, 319-325.	1.8	10
1032	Effects of parasitization of <i>Trichoplusia ni</i> by <i>Chelonus</i> sp.. <i>Physiological Entomology</i> , 1985, 10, 383-394.	0.6	37
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1095	Selective inhibition of JH esterases from cockroach hemolymph. <i>Pesticide Biochemistry and Physiology</i> , 1977, 7, 517-530.	1.6	47
1096	A rapid assay for insect juvenile hormone esterase activity. <i>Analytical Biochemistry</i> , 1977, 82, 573-579.	1.1	276
1097	Soluble mammalian epoxide hydratase: Action on juvenile hormone and other terpenoid epoxides. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1976, 53, 263-265.	0.2	23
1098	Metabolic O-dealkylation of 1-(4-ethylphenoxy)-3,7-dimethyl-7-methoxy or ethoxy-trans-2-octene, potent juvenoids. <i>Pesticide Biochemistry and Physiology</i> , 1975, 5, 12-18.	1.6	15

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1099	NADPH dependent epoxidation of methyl farnesoate to juvenile hormone in the cockroach L. Life Sciences, 1975, 17, 323-328.	2.0	62
1100	Detection and analysis of epoxides with 4-(p-nitrobenzyl)-pyridine. Bulletin of Environmental Contamination and Toxicology, 1974, 12, 759-764.	1.3	65
1101	Mammalian Metabolism and Environmental Degradation of the Juvenoid 1-(4'-Ethylphenoxy)-3,7-dimethyl-6,7-epoxy-. Journal of Agricultural and Food Chemistry, 1974, 22, 386-395.	2.4	81
1102	Synthesis and morphogenetic activity of derivatives and analogs of aryl geranyl ether juvenoids. Journal of Agricultural and Food Chemistry, 1974, 22, 379-385.	2.4	62
1103	Insect metabolism of a phenyl epoxygeranyl ether juvenoid and related compounds. Pesticide Biochemistry and Physiology, 1974, 4, 393-406.	1.6	25
1104	Potent juvenile hormone mimic, 1-(4'-ethylphenoxy)-6,7-epoxy-3,7-dimethyl-2-octene, labeled with tritium in either the ethylphenyl- or geranyl-derived moiety. Journal of Agricultural and Food Chemistry, 1972, 20, 439-442.	2.4	11
1105	PRELIMINARY CHROMATOGRAPHIC STUDIES ON THE METABOLITES AND PHOTODECOMPOSITION PRODUCTS OF THE JUVENOID 1-(4'-ETHYLPHENOXY)-6,7-EPOXY-3,7-DIMETHYL-2-OCTENE. , 1972, , 177-189.		17
1106	Using a quantum dot bead-based lateral flow immunoassay to broadly detect the adulteration of PDE-5 inhibitors in functional foods. Analytical Methods, 0, , .	1.3	0