

# Bruce D Hammock

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

1,087  
papers

44,577  
citations

99  
h-index

147  
g-index

1,118  
ext. papers

48,956  
ext. citations

5.7  
avg, IF

7.52  
L-index

#	Paper	IF	Citations
1087	A Fast and Selective Approach for Profiling Vicinal Diols Using Liquid Chromatography-Post Column Derivatization-Double Precursor Ion Scanning Mass Spectrometry.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	1
1086	A Polydopamine-Coated Gold Nanoparticles Quenching Quantum Dots-Based Dual-Readout Lateral Flow Immunoassay for Sensitive Detection of Carbendazim in Agriproducts.. <i>Biosensors</i> , <b>2022</b> , 12,	5.9	4
1085	Camelization of a murine single-domain antibody against aflatoxin B and its antigen-binding analysis.. <i>Mycotoxin Research</i> , <b>2022</b> , 38, 51	4	0
1084	Development of a Rapid Gold Nanoparticle Immunochromatographic Strip Based on the Nanobody for Detecting 2,4-Dichlorophenoxyacetic Acid.. <i>Biosensors</i> , <b>2022</b> , 12,	5.9	2
1083	Nanobodies for accurate recognition of iso-tenuazonic acid and development of sensitive immunoassay for contaminant detection in foods. <i>Food Control</i> , <b>2022</b> , 136, 108835	6.2	1
1082	"Ready-to-use" immunosensor for the detection of small molecules with fast readout.. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 201, 113968	11.8	3
1081	Structure-guided discovery of potent and oral soluble epoxide hydrolase inhibitors for the treatment of neuropathic pain.. <i>Acta Pharmaceutica Sinica B</i> , <b>2022</b> , 12, 1377-1389	15.5	1
1080	Fluonanobody-based nanosensor via fluorescence resonance energy transfer for ultrasensitive detection of ochratoxin A. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 422, 126838	12.8	6
1079	Kurarinone 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> , <b>2022</b> , 119,	11.5	6
1078	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> , <b>2022</b> ,	8.3	4
1077	Soluble epoxide hydrolase inhibition avoid formalin-induced inflammatory hyperalgesia in the temporomandibular joint.. <i>Inflammopharmacology</i> , <b>2022</b> , 1	5.1	0
1076	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> , <b>2022</b> , 119, e2120691119	11.5	4
1075	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> , <b>2022</b> , 17, e0266608	3.7	
1074	Omega-6 Polyunsaturated Fatty Acids Enhance Tumor Aggressiveness in Experimental Lung Cancer Model: Important Role of Oxylipins. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 6179	6.3	3
1073	Soluble Epoxide Hydrolase <b>2021</b> , 1450-1456		
1072	Sex-Specific Differences in Resolution of Airway Inflammation in Transgenic Mice Following Repetitive Agricultural Dust Exposure.. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 785193	5.6	1
1071	Soluble Epoxide Hydrolase Deletion Limits High-Fat Diet-Induced Inflammation.. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 778470	5.6	1

1070	Soluble epoxide hydrolase inhibitor can protect the femoral head against tobacco smoke exposure-induced osteonecrosis in spontaneously hypertensive rats. <i>Toxicology</i> , <b>2021</b> , 465, 153045	4.4	0
1069	Further exploration of the structure-activity relationship of dual soluble epoxide hydrolase/fatty acid amide hydrolase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2021</b> , 51, 116507	3.4	1
1068	Eicosanoid regulation of debris-stimulated metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3
1067	Discovery of Soluble Epoxide Hydrolase Inhibitors from Chemical Synthesis and Natural Products. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 184-215	8.3	22
1066	Ibuprofen alters epoxide hydrolase activity and epoxy-oxylipin metabolites associated with different metabolic pathways in murine livers. <i>Scientific Reports</i> , <b>2021</b> , 11, 7042	4.9	0
1065	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> , <b>2021</b> , 6, 7165-7174	3.9	1
1064	Plasma Linoleate Diols Are Potential Biomarkers for Severe COVID-19 Infections. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 663869	4.6	16
1063	Enhanced Non-Toxic Immunodetection of Mycotoxin Tenuazonic Acid Based on Ferritin-Displayed Anti-Idiotypic Nanobody-Nanoluciferase Multimers. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 4911-4917	5.7	3
1062	Soluble epoxide hydrolase deficiency attenuates lipotoxic cardiomyopathy via upregulation of AMPK-mTORC mediated autophagy. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2021</b> , 154, 80-91	5.8	3
1061	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> , <b>2021</b> , 22,	6.3	5
1060	From the Design to the Evaluation of Benzohomoadamantane-Derived Soluble Epoxide Hydrolase Inhibitors for the Treatment of Acute Pancreatitis. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 5429-5446	8.3	6
1059	Natural Products in the Prevention of Metabolic Diseases: Lessons Learned from the 20th KAST Frontier Scientists Workshop. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	1
1058	Activity of sEH and Oxidant Status during Systemic Bovine Coliform Mastitis. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	1
1057	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> , <b>2021</b> , 336,	8.5	10
1056	Pharmacokinetics, Metabolite Measurement, and Biomarker Identification of Dermal Exposure to Permethrin Using Accelerator Mass Spectrometry. <i>Toxicological Sciences</i> , <b>2021</b> , 183, 49-59	4.4	1
1055	Differential Effects of 17,18-EEQ and 19,20-EDP Combined with Soluble Epoxide Hydrolase Inhibitor -TUCB on Diet-Induced Obesity in Mice. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
1054	Immune response dynamics in COVID-19 patients to SARS-CoV-2 and other human coronaviruses. <i>PLoS ONE</i> , <b>2021</b> , 16, e0254367	3.7	3
1053	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> , <b>2021</b> , 406, 124288	12.8	13

1052	Soluble Epoxide Hydrolase Hepatic Deficiency Ameliorates Alcohol-Associated Liver Disease. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , <b>2021</b> , 11, 815-830	7.9	3
1051	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> , <b>2021</b> , 337, 127780	8.5	10
1050	Highly specific nanobody against herbicide 2,4-dichlorophenoxyacetic acid for monitoring of its contamination in environmental water. <i>Science of the Total Environment</i> , <b>2021</b> , 753, 141950	10.2	12
1049	Target-Mediated Drug Disposition-A Class Effect of Soluble Epoxide Hydrolase Inhibitors. <i>Journal of Clinical Pharmacology</i> , <b>2021</b> , 61, 531-537	2.9	1
1048	Identification of the Functional Binding Site for the Convulsant Tetramethylenedisulfotetramine in the Pore of the GABA Receptor. <i>Molecular Pharmacology</i> , <b>2021</b> , 99, 78-91	4.3	4
1047	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> , <b>2021</b> , 118,	11.5	1
1046	Soluble epoxide hydrolase inhibition improves cognitive function and parenchymal artery dilation in a hypertensive model of chronic cerebral hypoperfusion. <i>Microcirculation</i> , <b>2021</b> , 28, e12653	2.9	6
1045	Carcinogenesis: Failure of resolution of inflammation?. <i>Pharmacology &amp; Therapeutics</i> , <b>2021</b> , 218, 107670	13.9	47
1044	Fusion expression of nanobodies specific for the insecticide fipronil on magnetosomes in <i>Magnetospirillum gryphiswaldense</i> MSR-1. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 27	9.4	3
1043	Development of a chemiluminescence immunoassay for detection of tenuazonic acid mycotoxin in fruit juices with a specific camel polyclonal antibody. <i>Analytical Methods</i> , <b>2021</b> , 13, 1795-1802	3.2	4
1042	Inhibition of the Soluble Epoxide Hydrolase as an Analgesic Strategy: A Review of Preclinical Evidence. <i>Journal of Pain Research</i> , <b>2021</b> , 14, 61-72	2.9	8
1041	Development of nanobody-based flow-through dot ELISA and lateral-flow immunoassay for rapid detection of 3-phenoxybenzoic acid. <i>Analytical Methods</i> , <b>2021</b> , 13, 1757-1765	3.2	8
1040	Soluble Epoxide Hydrolase in Aged Female Mice and Human Explanted Hearts Following Ischemic Injury. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
1039	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> , <b>2021</b> , 64, 1856-1872	8.3	31
1038	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> , <b>2021</b> , 413, 2503-2511	4.4	3
1037	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> , <b>2021</b> , 49, 810-821	4	3
1036	Development of a direct competitive enzyme-linked immunosorbent assay for quantitation of sodium saccharin residue in food. <i>Journal of Food Science</i> , <b>2021</b> , 86, 3720-3729	3.4	1
1035	Autism-like Behaviors in Male Juvenile Offspring after Maternal Glyphosate Exposure. <i>Clinical Psychopharmacology and Neuroscience</i> , <b>2021</b> , 19, 554-558	3.4	4

1034	mutations cause a lipotrophic diabetes syndrome due to impaired epoxide hydrolysis and increased cellular senescence. <i>ELife</i> , <b>2021</b> , 10,	8.9	5
1033	Sortase-Mediated Phage Decoration for Analytical Applications. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 11800-11888	8.8	2
1032	TPPU treatment of burned mice dampens inflammation and generation of bioactive DHET which impairs neutrophil function. <i>Scientific Reports</i> , <b>2021</b> , 11, 16555	4.9	3
1031	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> , <b>2021</b> , 172, 48-57	7.8	1
1030	Multitarget molecule, PTUPB, to treat diabetic nephropathy in rats. <i>British Journal of Pharmacology</i> , <b>2021</b> , 178, 4468-4484	8.6	2
1029	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> , <b>2021</b> , 292, 565-573	6.6	17
1028	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> , <b>2021</b> , 93, 13658-13666	7.8	4
1027	Chronic Diclofenac Exposure Increases Mitochondrial Oxidative Stress, Inflammatory Mediators, and Cardiac Dysfunction. <i>Cardiovascular Drugs and Therapy</i> , <b>2021</b> , 1	3.9	1
1026	Enhanced Bio-Barcode Immunoassay Using Droplet Digital PCR for Multiplex Detection of Organophosphate Pesticides. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 11131-11141	5.7	1
1025	Inhibition of sEH via stabilizing the level of EETs alleviated Alzheimer's disease through GSK3 $\beta$ signaling pathway. <i>Food and Chemical Toxicology</i> , <b>2021</b> , 156, 112516	4.7	5
1024	Discovery of memantyl urea derivatives as potent soluble epoxide hydrolase inhibitors against lipopolysaccharide-induced sepsis. <i>European Journal of Medicinal Chemistry</i> , <b>2021</b> , 223, 113678	6.8	3
1023	COX-2/sEH Dual Inhibitor PTUPB Alleviates CCl-Induced Liver Fibrosis and Portal Hypertension.. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 761517	4.9	0
1022	Dual sEH/COX-2 Inhibition Using PTUPB-A Promising Approach to Antiangiogenesis-Induced Nephrotoxicity.. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 744776	5.6	2
1021	-Benzyl-linoleamide, a Constituent of (Maca), Is an Orally Bioavailable Soluble Epoxide Hydrolase Inhibitor That Alleviates Inflammatory Pain. <i>Journal of Natural Products</i> , <b>2020</b> , 83, 3689-3697	4.9	5
1020	An epoxide hydrolase inhibitor reduces neuroinflammation in a mouse model of Alzheimer's disease. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	28
1019	Inflammation resolution: a dual-pronged approach to averting cytokine storms in COVID-19?. <i>Cancer and Metastasis Reviews</i> , <b>2020</b> , 39, 337-340	9.6	101
1018	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> , <b>2020</b> , 117, 11753-11759	11.5	41
1017	Soluble epoxide hydrolase inhibitor, TPPU, increases regulatory T cells pathway in an arthritis model. <i>FASEB Journal</i> , <b>2020</b> , 34, 9074-9086	0.9	9

1016	Pharmacological Inhibition of Soluble Epoxide Hydrolase as a New Therapy for Alzheimer's Disease. <i>Neurotherapeutics</i> , <b>2020</b> , 17, 1825-1835	6.4	23
1015	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> , <b>2020</b> , 9,	7.9	4
1014	Aryl Hydrocarbon Receptor-Dependent inductions of omega-3 and omega-6 polyunsaturated fatty acid metabolism act inversely on tumor progression. <i>Scientific Reports</i> , <b>2020</b> , 10, 7843	4.9	8
1013	An Ultrasensitive Bioluminescent Enzyme Immunoassay Based on Nanobody/Nanoluciferase Heptamer Fusion for the Detection of Tetrabromobisphenol A in Sediment. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 10083-10090	7.8	12
1012	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> , <b>2020</b> , 117, 8431-8436	11.5	11
1011	Effects of Linoleic Acid-Rich Diet on Plasma Profiles of Eicosanoids and Development of Colitis in -10 Mice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 7641-7647	5.7	0
1010	Eicosanoids: The Overlooked Storm in Coronavirus Disease 2019 (COVID-19)?. <i>American Journal of Pathology</i> , <b>2020</b> , 190, 1782-1788	5.8	68
1009	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> , <b>2020</b> , 17,	4.6	15
1008	Protostane-type triterpenoids as natural soluble epoxide hydrolase inhibitors: Inhibition potentials and molecular dynamics. <i>Bioorganic Chemistry</i> , <b>2020</b> , 96, 103637	5.1	15
1007	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> , <b>2020</b> , 126, 109907	7.5	20
1006	Single-chain variable fragment antibody-based immunochromatographic strip for rapid detection of fumonisin B in maize samples. <i>Food Chemistry</i> , <b>2020</b> , 319, 126546	8.5	15
1005	Assessment of soluble epoxide hydrolase activity in vivo: A metabolomic approach. <i>Prostaglandins and Other Lipid Mediators</i> , <b>2020</b> , 148, 106410	3.7	3
1004	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> , <b>2020</b> , 12, 6159-6168	9.5	23
1003	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> , <b>2020</b> , 523, 102034-102042	10.26	22
1002	Comparison of the toxicokinetics of the convulsants picrotoxinin and tetramethylenedisulfotetramine (TETS) in mice. <i>Archives of Toxicology</i> , <b>2020</b> , 94, 1995-2007	5.8	6
1001	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> , <b>2020</b> , 92, 7334-7342	7.8	16
1000	Simultaneous Target-Mediated Drug Disposition Model for Two Small-Molecule Compounds Competing for Their Pharmacological Target: Soluble Epoxide Hydrolase. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2020</b> , 374, 223-232	4.7	6
999	A COX-2/SEH dual inhibitor PTUPB alleviates lipopolysaccharide-induced acute lung injury in mice by inhibiting NLRP3 inflammasome activation. <i>Theranostics</i> , <b>2020</b> , 10, 4749-4761	12.1	47

998	Increased expression of soluble epoxide hydrolase in the brain and liver from patients with major psychiatric disorders: A role of brain - liver axis. <i>Journal of Affective Disorders</i> , <b>2020</b> , 270, 131-134	6.6	7
997	Development of potent inhibitors of the human microsomal epoxide hydrolase. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 193, 112206	6.8	2
996	Soluble Epoxide Hydrolase <b>2020</b> , 1-7		
995	Preparation and evaluation of soluble epoxide hydrolase inhibitors with improved physical properties and potencies for treating diabetic neuropathic pain. <i>Bioorganic and Medicinal Chemistry</i> , <b>2020</b> , 28, 115735	3.4	8
994	Acute Hypercapnia/Ischemia Alters the Esterification of Arachidonic Acid and Docosahexaenoic Acid Epoxide Metabolites in Rat Brain Neutral Lipids. <i>Lipids</i> , <b>2020</b> , 55, 7-22	1.6	4
993	Cytochrome P450 derived epoxidized fatty acids as a therapeutic tool against neuroinflammatory diseases. <i>Prostaglandins and Other Lipid Mediators</i> , <b>2020</b> , 147, 106385	3.7	18
992	A rapid and simple fluorescence enzyme-linked immunosorbent assay for tetrabromobisphenol A in soil samples based on a bifunctional fusion protein. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 188, 109904	7	11
991	COX-2/sEH dual inhibitor PTUPB alleviates bleomycin-induced pulmonary fibrosis in mice via inhibiting senescence. <i>FEBS Journal</i> , <b>2020</b> , 287, 1666-1680	5.7	21
990	Ultrasensitive and rapid detection of ochratoxin A in agro-products by a nanobody-mediated FRET-based immunosensor. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 387, 121678	12.8	23
989	Imidazolidine-2,4,5- and pirimidine-2,4,6-triones - New primary pharmacophore for soluble epoxide hydrolase inhibitors with enhanced water solubility. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2020</b> , 30, 126908	2.9	2
988	Soluble epoxide hydrolase inhibitor mediated analgesia lacks tolerance in rat models. <i>Brain Research</i> , <b>2020</b> , 1728, 146573	3.7	8
987	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. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 1114-1121	7.8	14
986	Inactivation of Cys in SERCA2 increases BP by inducing endoplasmic reticulum stress and soluble epoxide hydrolase. <i>British Journal of Pharmacology</i> , <b>2020</b> , 177, 1793-1805	8.6	10
985	Soluble Epoxide Hydrolase Inhibition by -TUCB Promotes Brown Adipogenesis and Reduces Serum Triglycerides in Diet-Induced Obesity. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	6
984	Cytochrome P450-derived linoleic acid metabolites EpOMEs and DiHOMEs: a review of recent studies. <i>Journal of Nutritional Biochemistry</i> , <b>2020</b> , 86, 108484	6.3	38
983	Lack of rewarding effects of a soluble epoxide hydrolase inhibitor TPPU in mice: Comparison with morphine. <i>Neuropsychopharmacology Reports</i> , <b>2020</b> , 40, 412-416	2.2	3
982	Vitamin D deficiency serves as a precursor to stunted growth and central adiposity in zebrafish. <i>Scientific Reports</i> , <b>2020</b> , 10, 16032	4.9	8
981	Development of multitarget inhibitors for the treatment of pain: Design, synthesis, biological evaluation and molecular modeling studies. <i>Bioorganic Chemistry</i> , <b>2020</b> , 103, 104165	5.1	3

980	EpOMEs act as immune suppressors in a lepidopteran insect, <i>Spodoptera exigua</i> . <i>Scientific Reports</i> , <b>2020</b> , 10, 20183	4.9	12
979	On-spot quantitative analysis of dicamba in field waters using a lateral flow immunochemical strip with smartphone imaging. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 6995-7006	4.4	4
978	2-Oxaadamant-1-yl Ureas as Soluble Epoxide Hydrolase Inhibitors: Evaluation in a Murine Model of Acute Pancreatitis. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 9237-9257	8.3	7
977	Bioisosteric substitution of adamantane with bicyclic lipophilic groups improves water solubility of human soluble epoxide hydrolase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2020</b> , 30, 127430	3.9	9
976	Development of a nanobody tagged with streptavidin-binding peptide and its application in a Luminox fluoroimmunoassay for alpha fetal protein in serum.. <i>RSC Advances</i> , <b>2020</b> , 10, 23767-23774	3.7	3
975	Sensitive Immunochemical Assay Using Highly Luminescent Quantum Dot Nanobeads as Tracer for the Detection of Cyproheptadine Hydrochloride in Animal-Derived Food. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 575	5	1
974	Peripheral soluble epoxide hydrolase inhibition reduces hypernociception and inflammation in albumin-induced arthritis in temporomandibular joint of rats. <i>International Immunopharmacology</i> , <b>2020</b> , 87, 106841	5.8	7
973	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> , <b>2020</b> , 92, 11654-11663	7.8	3
972	Chemiluminescent Enzyme Immunoassay and Bioluminescent Enzyme Immunoassay for Tenuazonic Acid Mycotoxin by Exploitation of Nanobody and Nanobody-Nanoluciferase Fusion. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 11935-11942	7.8	16
971	Suppression of inflammation and fibrosis using soluble epoxide hydrolase inhibitors enhances cardiac stem cell-based therapy. <i>Stem Cells Translational Medicine</i> , <b>2020</b> , 9, 1570-1584	6.9	8
970	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> , <b>2020</b> , 117, 21576-21587	11.5	22
969	EB Polyunsaturated Fatty Acids on Colonic Inflammation and Colon Cancer: Roles of Lipid-Metabolizing Enzymes Involved. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	3
968	Soluble Epoxide Hydrolase Regulation of Lipid Mediators Limits Pain. <i>Neurotherapeutics</i> , <b>2020</b> , 17, 900-966	6.6	11
967	Selection of Potent Inhibitors of Soluble Epoxide Hydrolase for Usage in Veterinary Medicine. <i>Frontiers in Veterinary Science</i> , <b>2020</b> , 7, 580	3.1	2
966	Using sulfiramimidoyl fluorides that undergo sulfur(VI) fluoride exchange for inverse drug discovery. <i>Nature Chemistry</i> , <b>2020</b> , 12, 906-913	17.6	27
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831	Inhibition of soluble epoxide hydrolase prevents diabetic retinopathy. <i>Nature</i> , <b>2017</b> , 552, 248-252	50.4	82
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181	Hapten design and development of an ELISA (enzyme-linked immunosorbent assay) for the detection of the mercapturic acid conjugates of naphthalene. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 7548-7556	4.2	35
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179	Ligand binding by a recombinant insect juvenile hormone binding protein. <i>Biochemistry</i> , <b>1993</b> , 32, 2068-752		70
178	Development of an enzyme-linked immunosorbent assay for the .beta.-exotoxin of <i>Bacillus thuringiensis</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>1993</b> , 41, 1530-1536	5.7	8
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172	Insect Control by Use of Recombinant Baculoviruses Expressing Juvenile Hormone Esterase. <i>ACS Symposium Series</i> , <b>1993</b> , 368-383	0.4	4
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170	Properties of enzymes hydrating epoxides in human epidermis and liver. <i>International Journal of Biochemistry &amp; Cell Biology</i> , <b>1993</b> , 25, 1291-301		2
169	The interaction of cytosolic epoxide hydrolase with chiral epoxides. <i>International Journal of Biochemistry &amp; Cell Biology</i> , <b>1993</b> , 25, 43-52		2
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167	Stereochemical aspects of cytosolic epoxide hydrolase hydration of methyl diepoxystearates. <i>Tetrahedron</i> , <b>1993</b> , 49, 2601-2612	2.4	14
166	Inhibition of human and murine cytosolic epoxide hydrolase by group-selective reagents. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1993</b> , 104, 299-308		4
165	Inhibition of epoxide hydrolase from human, monkey, bovine, rabbit and murine liver by trans-3-phenylglycidols. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1993</b> , 104, 309-14		8
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47	Development of enzyme-linked immunosorbent assays for residue analysis of diflubenzuron and BAY SIR 8514. <i>Journal of Agricultural and Food Chemistry</i> , <b>1982</b> , 30, 949-957	5.7	53
46	Spectrophotometric assay for mammalian cytosolic epoxide hydrolase using trans-stilbene oxide as the substrate. <i>Biochemical Pharmacology</i> , <b>1982</b> , 31, 1979-84	6	33
45	Chalcone oxides--potent selective inhibitors of cytosolic epoxide hydrolase. <i>Archives of Biochemistry and Biophysics</i> , <b>1982</b> , 216, 423-39	4.1	111

44	The use of enzyme-linked immunosorbent assays (ELISA) for the determination of triton X nonionic detergents. <i>Analytical Biochemistry</i> , <b>1982</b> , 125, 168-76	3.1	11
43	Juvenile hormone esterases of Lepidoptera. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>1982</b> , 148, 1-10	2.2	57
42	The source and action of head factors regulating juvenile hormone esterase in larvae of the cabbage looper, <i>Trichoplusia ni</i> . <i>Journal of Insect Physiology</i> , <b>1981</b> , 27, 85-91	2.4	56
41	Epoxide hydrolase activity in the mitochondrial and submitochondrial fractions of mouse liver. <i>Biochemical Pharmacology</i> , <b>1981</b> , 30, 2111-20	6	56
40	Developmental and behavioural responses of larval <i>Trichoplusia ni</i> to parasitization by an imported braconid parasite <i>Chelonus</i> sp. <i>Physiological Entomology</i> , <b>1981</b> , 6, 387-394	1.9	53
39	Epoxide hydrolase activity in the mitochondrial fraction of mouse liver. <i>Nature</i> , <b>1981</b> , 291, 167-8	50.4	35
38	Approaches to the purification of the juvenile hormone esterase from the cabbage looper, <i>Trichoplusia ni</i> . <i>Insect Biochemistry</i> , <b>1981</b> , 11, 437-444		22
37	The distribution of juvenile hormone esterase and its interrelationship with other proteins influencing juvenile hormone metabolism in the cabbage looper, <i>Trichoplusia ni</i> . <i>Insect Biochemistry</i> , <b>1981</b> , 11, 473-485		83
36	Potential of Immunochemical Technology for Pesticide Analysis. <i>ACS Symposium Series</i> , <b>1980</b> , 321-352	0.4	57
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34	A rapid radiometric assay for mammalian cytosolic epoxide hydrolase. <i>Analytical Biochemistry</i> , <b>1980</b> , 106, 476-85	3.1	44
33	Hydration of an 18O epoxide by a cytosolic epoxide hydrolase from mouse liver. <i>Life Sciences</i> , <b>1980</b> , 27, 1635-41	6.8	20
32	Comparative inhibition of the juvenile hormone esterases from <i>Trichoplusia ni</i> , <i>Tenebrio molitor</i> , and <i>Musca domestica</i> . <i>Pesticide Biochemistry and Physiology</i> , <b>1980</b> , 14, 290-302	4.9	92
31	The effect of hepatic microsomal and cytosolic subcellular fractions on the mutagenic activity of epoxide-containing compounds in the Salmonella assay. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , <b>1980</b> , 79, 59-71		33
30	Mutagenicity of psoralen epoxides. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , <b>1980</b> , 79, 73-7		24
29	Distribution and properties of a mammalian soluble epoxide hydrase. <i>Biochemical Pharmacology</i> , <b>1980</b> , 29, 389-95	6	132
28	A comparison of the induced and naturally occurring juvenile hormone esterases from last instar larvae of <i>Trichoplusia ni</i> . <i>Insect Biochemistry</i> , <b>1979</b> , 9, 411-421		66
27	Induction and regulation of juvenile hormone esterases during the last larval instar of the cabbage looper, <i>Trichoplusia ni</i> . <i>Journal of Insect Physiology</i> , <b>1979</b> , 25, 551-560	2.4	76

26	Haemolymph juvenile hormone esterase activity in synchronous last instar larvae of the cabbage looper, <i>Trichoplusia ni</i> . <i>Journal of Insect Physiology</i> , <b>1979</b> , 25, 125-132	2.4	110
25	Hydration of cis- and trans-epoxymethyl stearates by the cytosolic epoxide hydrase of mouse liver. <i>Biochemical and Biophysical Research Communications</i> , <b>1979</b> , 89, 965-71	3.4	77
24	Synthesis and bioassay of carbamate inhibitors of the juvenile hormone hydrolyzing esterases from the housefly, <i>Musca domestica</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>1979</b> , 27, 763-765	5.7	8
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22	Substrate selectivity and stereochemistry of enzymatic epoxide hydration in the soluble fraction of mouse liver. <i>Pesticide Biochemistry and Physiology</i> , <b>1979</b> , 11, 275-284	4.9	47
21	Stability of epoxide-containing juvenoids to dilute aqueous acid. <i>Journal of Agricultural and Food Chemistry</i> , <b>1979</b> , 27, 1223-1228	5.7	15
20	A partition assay for epoxide hydrases acting on insect juvenile hormone and an epoxide-containing juvenoid. <i>Analytical Biochemistry</i> , <b>1979</b> , 92, 16-21	3.1	48
19	Chromatographic fractionation of aggregation and sex pheromones of <i>Nippostrongylus brasiliensis</i> (Nematoda). <i>The Journal of Experimental Zoology</i> , <b>1979</b> , 208, 311-318		8
18	Inhibition of epoxidation of methyl farnesoate to juvenile hormone III by cockroach corpus allatum homogenates. <i>Pesticide Biochemistry and Physiology</i> , <b>1978</b> , 9, 39-47	4.9	45
17	Acute toxicity and developmental effects of analogs of ethyl .alpha.-(4-chlorophenoxy)-.alpha.-methylpropionate on two insects, <i>Oncopeltus fasciatus</i> and <i>Tenebrio molitor</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>1978</b> , 26, 166-170	5.7	9
16	Development of an S-bioallethrin specific antibody. <i>Journal of Agricultural and Food Chemistry</i> , <b>1978</b> , 26, 1328-33	5.7	54
15	Mechanisms of resistance to the juvenoid methoprene in the house fly <i>Musca domestica</i> L. <i>Pesticide Biochemistry and Physiology</i> , <b>1977</b> , 7, 261-272	4.9	33
14	Selective inhibition of JH esterases from cockroach hemolymph. <i>Pesticide Biochemistry and Physiology</i> , <b>1977</b> , 7, 517-530	4.9	44
13	A rapid assay for insect juvenile hormone esterase activity. <i>Analytical Biochemistry</i> , <b>1977</b> , 82, 573-9	3.1	267
12	Soluble mammalian epoxide hydratase: action on juvenile hormone and other terpenoid epoxides. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1976</b> , 53, 263-5		14
11	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> , <b>1975</b> , 5, 12-18	4.9	15
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3	Epoxy fatty acid dysregulation and neuroinflammation in Alzheimer's disease is resolved by a soluble epoxide hydrolase inhibitor		3
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1	HNF4 $\alpha$ isoforms regulate the circadian balance between carbohydrate and lipid metabolism in the liver		2