Bruce D Hammock

List of Publications by Year
in descending order

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	Mass spectrometry-based metabolomics. Mass Spectrometry Reviews, 2007, 26, 51-78.	2.8	1,754
2	Soluble epoxide hydrolase as a therapeutic target for cardiovascular diseases. Nature Reviews Drug Discovery, 2009, 8, 794-805.	21.5	527
3	Impact of Soluble Epoxide Hydrolase and Epoxyeicosanoids on Human Health. Annual Review of Pharmacology and Toxicology, 2013, 53, 37-58.	4.2	438
4	EPOXIDE HYDROLASES: Mechanisms, Inhibitor Designs, and Biological Roles. Annual Review of Pharmacology and Toxicology, 2005, 45, 311-333.	4.2	432
5	Soluble Epoxide Hydrolase Regulates Hydrolysis of Vasoactive Epoxyeicosatrienoic Acids. Circulation Research, 2000, 87, 992-998.	2.0	428
6	Soluble epoxide hydrolase is a therapeutic target for acute inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9772-9777.	3.3	420
7	Epoxide hydrolases: their roles and interactions with lipid metabolism. Progress in Lipid Research, 2005, 44, 1-51.	5.3	400
8	Soluble Epoxide Hydrolase Inhibition Lowers Arterial Blood Pressure in Angiotensin II Hypertension. Hypertension, 2002, 39, 690-694.	1.3	373
9	In Vitro Biologic Activities of the Antimicrobials Triclocarban, Its Analogs, and Triclosan in Bioassay Screens: Receptor-Based Bioassay Screens. Environmental Health Perspectives, 2008, 116, 1203-1210.	2.8	312
10	Quantitative Profiling Method for Oxylipin Metabolome by Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry. Analytical Chemistry, 2009, 81, 8085-8093.	3.2	292
11	Metabolomics: building on a century of biochemistry to guide human health. Metabolomics, 2005, 1, 3-9.	1.4	281
12	A rapid assay for insect juvenile hormone esterase activity. Analytical Biochemistry, 1977, 82, 573-579.	1.1	276
13	The antiinflammatory effect of laminar flow: The role of PPARÂ, epoxyeicosatrienoic acids, and soluble epoxide hydrolase. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16747-16752.	3.3	276
14	Bioactivation of leukotoxins to their toxic diols by epoxide hydrolase. Nature Medicine, 1997, 3, 562-566.	15.2	268
15	Epoxy metabolites of docosahexaenoic acid (DHA) inhibit angiogenesis, tumor growth, and metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6530-6535.	3.3	251
16	Enhanced Postischemic Functional Recovery in CYP2J2 Transgenic Hearts Involves Mitochondrial ATP-Sensitive K + Channels and p42/p44 MAPK Pathway. Circulation Research, 2004, 95, 506-514.	2.0	247
17	Epoxyeicosanoids stimulate multiorgan metastasis and tumor dormancy escape in mice. Journal of Clinical Investigation, 2012, 122, 178-191.	3.9	242
18	Inflammatory lipid mediators in adipocyte function and obesity. Nature Reviews Endocrinology, 2010, 6, 71-82.	4.3	240

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19	An Orally Active Epoxide Hydrolase Inhibitor Lowers Blood Pressure and Provides Renal Protection in Salt-Sensitive Hypertension. Hypertension, 2005, 46, 975-981.	1.3	223
20	Occurrence of endocrine-disrupting chemicals in indoor dust. Science of the Total Environment, 2008, 404, 26-35.	3.9	222
21	Orally Bioavailable Potent Soluble Epoxide Hydrolase Inhibitors. Journal of Medicinal Chemistry, 2007, 50, 3825-3840.	2.9	221
22	Prevention and reversal of cardiac hypertrophy by soluble epoxide hydrolase inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18733-18738.	3.3	215
23	Naturally occurring monoepoxides of eicosapentaenoic acid and docosahexaenoic acid are bioactive antihyperalgesic lipids. Journal of Lipid Research, 2010, 51, 3481-3490.	2.0	213
24	Expression and effects of the juvenile hormone esterase in a baculovirus vector. Nature, 1990, 344, 458-461.	13.7	209
25	Microarray Immunoassay for Phenoxybenzoic Acid Using Polymer Encapsulated Eu:Gd2O3Nanoparticles as Fluorescent Labels. Analytical Chemistry, 2005, 77, 6864-6873.	3.2	209
26	Antiandrogenic properties of parabens and other phenolic containing small molecules in personal care products. Toxicology and Applied Pharmacology, 2007, 221, 278-284.	1.3	205
27	Discovery of Inhibitors of Soluble Epoxide Hydrolase: A Target with Multiple Potential Therapeutic Indications. Journal of Medicinal Chemistry, 2012, 55, 1789-1808.	2.9	199
28	Hapten synthesis, antibody development, and competitive inhibition enzyme immunoassay for s-triazine herbicides. Journal of Agricultural and Food Chemistry, 1990, 38, 990-996.	2.4	198
29	Soluble epoxide hydrolase as a therapeutic target for pain, inflammatory and neurodegenerative diseases. , 2017, 180, 62-76.		197
30	Triclocarban Enhances Testosterone Action: A New Type of Endocrine Disruptor?. Endocrinology, 2008, 149, 1173-1179.	1.4	196
31	Development of Recombinant Baculoviruses for Insect Control. Annual Review of Entomology, 1996, 41, 191-210.	5.7	192
32	The soluble epoxide hydrolase encoded by EPXH2 is a bifunctional enzyme with novel lipid phosphate phosphatase activity. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1558-1563.	3.3	191
33	The commonly used antimicrobial additive triclosan is a liver tumor promoter. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17200-17205.	3.3	188
34	Soluble epoxide hydrolase inhibition reveals novel biological functions of epoxyeicosatrienoic acids (EETs). Prostaglandins and Other Lipid Mediators, 2007, 82, 42-49.	1.0	185
35	Inhibition of soluble epoxide hydrolase modulates inflammation and autophagy in obese adipose tissue and liver: Role for omega-3 epoxides. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 536-541.	3.3	185
36	Pathways of Epoxyeicosatrienoic Acid Metabolism in Endothelial Cells. Journal of Biological Chemistry, 2001, 276, 14867-14874.	1.6	179

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37	Soluble Epoxide Hydrolase: A Novel Therapeutic Target in Stroke. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1931-1940.	2.4	179
38	Radiometric assays for mammalian epoxide hydrolases and glutathione S-transferase. Analytical Biochemistry, 1983, 131, 273-282.	1.1	177
39	Metabolic profiling of major vitamin D metabolites using Dielsâ€“Alder derivatization and ultra-performance liquid chromatographyâ€“tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2008, 391, 1917-1930.	1.9	175
40	Soluble epoxide hydrolase: Gene structure, expression and deletion. Gene, 2013, 526, 61-74.	1.0	174
41	Structural refinement of inhibitors of urea-based soluble epoxide hydrolases. Biochemical Pharmacology, 2002, 63, 1599-1608.	2.0	173
42	Role of Soluble Epoxide Hydrolase in Postischemic Recovery of Heart Contractile Function. Circulation Research, 2006, 99, 442-450.	2.0	173
43	Enhancement of antinociception by coadministration of nonsteroidal anti-inflammatory drugs and soluble epoxide hydrolase inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13646-13651.	3.3	173
44	Genetic variation in soluble epoxide hydrolase (EPHX2) and risk of coronary heart disease: The Atherosclerosis Risk in Communities (ARIC) study. Human Molecular Genetics, 2006, 15, 1640-1649.	1.4	171
45	Structure of Human Epoxide Hydrolase Reveals Mechanistic Inferences on Bifunctional Catalysis in Epoxide and Phosphate Ester Hydrolysisâ€‚â€¡. Biochemistry, 2004, 43, 4716-4723.	1.2	170
46	Inflammation resolution: a dual-pronged approach to averting cytokine storms in COVID-19?. Cancer and Metastasis Reviews, 2020, 39, 337-340.	2.7	169
47	Soluble Epoxide Hydrolase Is a Main Effector of Angiotensin IIâ€“Induced Hypertension. Hypertension, 2005, 45, 759-765.	1.3	168
48	Soluble epoxide hydrolase is a susceptibility factor for heart failure in a rat model of human disease. Nature Genetics, 2008, 40, 529-537.	9.4	163
49	Soluble epoxide hydrolase and epoxyeicosatrienoic acids modulate two distinct analgesic pathways. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18901-18906.	3.3	163
50	Attenuation of tobacco smoke-induced lung inflammation by treatment with a soluble epoxide hydrolase inhibitor. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2186-2191.	3.3	161
51	Epoxyeicosatrienoic and dihydroxyeicosatrienoic acids dilate human coronary arterioles via BKCa channels: implications for soluble epoxide hydrolase inhibition. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H491-H499.	1.5	159
52	The Soluble Epoxide Hydrolase as a Pharmaceutical Target for Hypertension. Journal of Cardiovascular Pharmacology, 2007, 50, 225-237.	0.8	159
53	Epoxyeicosatrienoic Acids Regulate Trp Channelâ€“Dependent Ca ²⁺ Signaling and Hyperpolarization in Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 2612-2618.	1.1	158
54	Soluble epoxide hydrolase inhibition protects the kidney from hypertension-induced damage. Journal of the American Society of Nephrology: JASN, 2004, 15, 1244-53.	3.0	153

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55	Functionalized Europium Oxide Nanoparticles Used as a Fluorescent Label in an Immunoassay for Atrazine. Analytical Chemistry, 2003, 75, 5282-5286.	3.2	152
56	Soluble epoxide hydrolase plays an essential role in angiotensin II-induced cardiac hypertrophy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 564-569.	3.3	150
57	Angiotensin II up-regulates soluble epoxide hydrolase in vascular endothelium in vitro and in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9018-9023.	3.3	149
58	1-Aryl-3-(1-acylpiperidin-4-yl)urea Inhibitors of Human and Murine Soluble Epoxide Hydrolase: Structureâ"Activity Relationships, Pharmacokinetics, and Reduction of Inflammatory Pain. Journal of Medicinal Chemistry, 2010, 53, 7067-7075.	2.9	148
59	Synthesis and Structureâ"Activity Relationship Studies of Urea-Containing Pyrazoles as Dual Inhibitors of Cyclooxygenase-2 and Soluble Epoxide Hydrolase. Journal of Medicinal Chemistry, 2011, 54, 3037-3050.	2.9	148
60	Design, Synthesis, and Biological Activity of 1,3-Disubstituted Ureas as Potent Inhibitors of the Soluble Epoxide Hydrolase of Increased Water Solubility. Journal of Medicinal Chemistry, 2004, 47, 2110-2122.	2.9	147
61	Influence of the ELISA format and the hapten-enzyme conjugate on the sensitivity of an immunoassay for S-triazine herbicides using monoclonal antibodies. Journal of Agricultural and Food Chemistry, 1992, 40, 525-530.	2.4	146
62	One scorpion, two venoms: Prevenom of Parabuthus transvaalicus acts as an alternative type of venom with distinct mechanism of action. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 922-927.	3.3	146
63	Fluorescent substrates for soluble epoxide hydrolase and application to inhibition studies. Analytical Biochemistry, 2005, 343, 66-75.	1.1	145
64	Sequence similarity of mammalian epoxide hydrolases to the bacterial haloalkane dehalogenase and other related proteins. FEBS Letters, 1994, 338, 251-256.	1.3	144
65	Polymorphisms in Human Soluble Epoxide Hydrolase. Molecular Pharmacology, 2003, 64, 482-490.	1.0	142
66	A baculovirus-encoded protein tyrosine phosphatase gene induces enhanced locomotory activity in a lepidopteran host. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2584-2589.	3.3	142
67	Insecticidal effects of an insect-specific neurotoxin expressed by a recombinant baculovirus. Virology, 1991, 184, 777-780.	1.1	141
68	Antibacterial Colorants: Characterization of Prodiginines and Their Applications on Textile Materials. Biotechnology Progress, 2008, 24, 742-747.	1.3	141
69	Endoplasmic reticulum stress in the peripheral nervous system is a significant driver of neuropathic pain. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9082-9087.	3.3	141
70	Distribution and properties of a mammalian soluble epoxide hydrase. Biochemical Pharmacology, 1980, 29, 389-395.	2.0	140
71	Metabolomics--a new exciting field within the "omics" sciences.. Environmental Health Perspectives, 2004, 112, A396-7.	2.8	140
72	Inhibition of soluble epoxide hydrolase reduces LPS-induced thermal hyperalgesia and mechanical allodynia in a rat model of inflammatory pain. Life Sciences, 2006, 79, 2311-2319.	2.0	140

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73	Triclosan impairs excitationâ€“contraction coupling and Ca ²⁺ dynamics in striated muscle. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14158-14163.	3.3	139
74	Differential induction of cytosolic eposide hydrolase, microsomal epoxide hydrolase, and glutathione S-transferase activities. Toxicology and Applied Pharmacology, 1983, 71, 254-265.	1.3	137
75	Biochemical Characterization of the Human Liver Cytochrome P450 Arachidonic Acid Epoxygenase Pathway. Archives of Biochemistry and Biophysics, 1996, 330, 87-96.	1.4	135
76	Substituted thiotrifluoropropanones as potent selective inhibitors of juvenile hormone esterase. Pesticide Biochemistry and Physiology, 1984, 22, 209-223.	1.6	133
77	Stabilized epoxygenated fatty acids regulate inflammation, pain, angiogenesis and cancer. Progress in Lipid Research, 2014, 53, 108-123.	5.3	133
78	Gene Evolution of Epoxide Hydrolases and Recommended Nomenclature. DNA and Cell Biology, 1995, 14, 61-71.	0.9	131
79	The simultaneous quantification of cytochrome P450 dependent linoleate and arachidonate metabolites in urine by HPLC-MS/MS. Journal of Lipid Research, 2002, 43, 1563-1578.	2.0	131
80	Recombinant baculoviruses for insect control. Pest Management Science, 2001, 57, 981-987.	1.7	130
81	Individual variability in esterase activity and CYP1A levels in Chinook salmon (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.9	130
82	Soluble epoxide hydrolase deficiency alters pancreatic islet size and improves glucose homeostasis in a model of insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9038-9043.	3.3	130
83	Compensatory Mechanism for Homeostatic Blood Pressure Regulation in Ephx2 Gene-disrupted Mice. Journal of Biological Chemistry, 2007, 282, 2891-2898.	1.6	127
84	Applications of Carboxylesterase Activity in Environmental Monitoring and Toxicity Identification Evaluations (TIEs). Reviews of Environmental Contamination and Toxicology, 2008, 195, 117-178.	0.7	126
85	Epoxyeicosanoids promote organ and tissue regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13528-13533.	3.3	124
86	Immunochemical techniques for multianalyte analysis of chemical residues in food and the environment: A review. TrAC - Trends in Analytical Chemistry, 2017, 88, 25-40.	5.8	124
87	Synthesis of haptens for immunoassay of organophosphorus pesticides and effect of heterology in hapten spacer arm length on immunoassay sensitivity. Analytica Chimica Acta, 2003, 475, 85-96.	2.6	123
88	Gene deficiency and pharmacological inhibition of soluble epoxide hydrolase confers resilience to repeated social defeat stress. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1944-52.	3.3	123
89	Soluble epoxide hydrolase gene deletion attenuates renal injury and inflammation with DOCA-salt hypertension. American Journal of Physiology - Renal Physiology, 2009, 297, F740-F748.	1.3	121
90	Metabolomic profiling of regulatory lipid mediators in sputum from adult cystic fibrosis patients. Free Radical Biology and Medicine, 2012, 53, 160-171.	1.3	120

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91	An Epoxide Hydrolase Inhibitor, 12-(3-Adamantan-1-yl-ureido)dodecanoic Acid (AUDA), Reduces Ischemic Cerebral Infarct Size in Stroke-Prone Spontaneously Hypertensive Rats. Journal of Cardiovascular Pharmacology, 2005, 46, 842-848.	0.8	117
92	Chalcone oxidesâ€"potent selective inhibitors of cytosolic epoxide hydrolase. Archives of Biochemistry and Biophysics, 1982, 216, 423-439.	1.4	116
93	Metabolic profiling of murine plasma reveals an unexpected biomarker in rofecoxib-mediated cardiovascular events. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17017-17022.	3.3	116
94	Vitamin D Enhances Corneal Epithelial Barrier Function. , 2011, 52, 7359.		116
95	A COX-2/sEH dual inhibitor PTUPB alleviates lipopolysaccharide-induced acute lung injury in mice by inhibiting NLRP3 inflammasome activation. Theranostics, 2020, 10, 4749-4761.	4.6	116
96	Inhibition of soluble epoxide hydrolase enhances the anti-inflammatory effects of aspirin and 5-lipoxygenase activation protein inhibitor in a murine model. Biochemical Pharmacology, 2010, 79, 880-887.	2.0	115
97	Eicosanoids. American Journal of Pathology, 2020, 190, 1782-1788.	1.9	115
98	Inhibitors of soluble epoxide hydrolase attenuate vascular smooth muscle cell proliferation. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2222-2227.	3.3	114
99	Inhibition of soluble epoxide hydrolase prevents diabetic retinopathy. Nature, 2017, 552, 248-252.	13.7	113
100	Haemolymph juvenile hormone esterase activity in synchronous last instar larvae of the cabbage looper, Trichoplusia ni. Journal of Insect Physiology, 1979, 25, 125-132.	0.9	112
101	ThePhotorhabdusPir toxins are similar to a developmentally regulated insect protein but show no juvenile hormone esterase activity. FEMS Microbiology Letters, 2005, 245, 47-52.	0.7	112
102	Ï‰-3 Polyunsaturated fatty acids-derived lipid metabolites on angiogenesis, inflammation and cancer. Prostaglandins and Other Lipid Mediators, 2014, 113-115, 13-20.	1.0	112
103	Soluble Epoxide Hydrolase Inhibitors Reduce the Development of Atherosclerosis in Apolipoprotein E-Knockout Mouse Model. Journal of Cardiovascular Pharmacology, 2008, 52, 314-323.	0.8	111
104	The haemolymph juvenile hormone esterase of Manduca sexta (L.)â€"inhibition and regulation. Insect Biochemistry, 1983, 13, 529-541.	1.8	110
105	Use of immunochemical techniques for the analysis of pesticides. Pest Management Science, 1989, 26, 303-317.	0.7	109
106	Soluble Epoxide Hydrolase Deficiency or Inhibition Attenuates Diet-induced Endoplasmic Reticulum Stress in Liver and Adipose Tissue. Journal of Biological Chemistry, 2013, 288, 14189-14199.	1.6	109
107	Development of an ELISA for the Detection of the Residues of the Insecticide Imidacloprid in Agricultural and Environmental Samples. Journal of Agricultural and Food Chemistry, 2001, 49, 2159-2167.	2.4	108
108	Synthesis and bio-functionalization of multifunctional magnetic Fe3O4@Y2O3:Eu nanocomposites. Journal of Materials Chemistry, 2009, 19, 4695.	6.7	108

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109	Competitive inhibition ELISA for the s-triazine herbicides: assay optimization and antibody characterization. Journal of Agricultural and Food Chemistry, 1991, 39, 122-128.	2.4	107
110	Cytochrome P450 Epoxygenase Gene Function in Hypoxic Pulmonary Vasoconstriction and Pulmonary Vascular Remodeling. Hypertension, 2006, 47, 762-770.	1.3	105
111	Inhibition or Deletion of Soluble Epoxide Hydrolase Prevents Hyperglycemia, Promotes Insulin Secretion, and Reduces Islet Apoptosis. Journal of Pharmacology and Experimental Therapeutics, 2010, 334, 430-438.	1.3	105
112	Binding of Alkylurea Inhibitors to Epoxide Hydrolase Implicates Active Site Tyrosines in Substrate Activation. Journal of Biological Chemistry, 2000, 275, 15265-15270.	1.6	104
113	Soluble epoxide hydrolase plays a key role in the pathogenesis of Parkinsonâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5815-E5823.	3.3	104
114	Characterization of pyrethroid hydrolysis by the human liver carboxylesterases hCE-1 and hCE-2. Archives of Biochemistry and Biophysics, 2006, 445, 115-123.	1.4	103
115	VHH antibodies: emerging reagents for the analysis of environmental chemicals. Analytical and Bioanalytical Chemistry, 2016, 408, 5985-6002.	1.9	103
116	Soluble Epoxide Inhibition Is Protective Against Cerebral Ischemia via Vascular and Neural Protection. American Journal of Pathology, 2009, 174, 2086-2095.	1.9	102
117	Dendrogenin A arises from cholesterol and histamine metabolism and shows cell differentiation and anti-tumour properties. Nature Communications, 2013, 4, 1840.	5.8	101
118	Carcinogenesis: Failure of resolution of inflammation?. , 2021, 218, 107670.		101
119	HPLCâ^'Accelerator MS Measurement of Atrazine Metabolites in Human Urine after Dermal Exposure. Analytical Chemistry, 1999, 71, 3519-3525.	3.2	100
120	Genetically Modified Baculoviruses: A Historical Overview and Future Outlook. Advances in Virus Research, 2006, 68, 323-360.	0.9	100
121	Epoxyeicosatrienoic acids and the soluble epoxide hydrolase are determinants of pulmonary artery pressure and the acute hypoxic pulmonary vasoconstrictor response. FASEB Journal, 2008, 22, 4306-4315.	0.2	100
122	Development of a Green Fluorescent Protein-Based Cell Bioassay for the Rapid and Inexpensive Detection and Characterization of Ah Receptor Agonists. Toxicological Sciences, 2002, 65, 200-210.	1.4	99
123	Optimization of Amide-Based Inhibitors of Soluble Epoxide Hydrolase with Improved Water Solubility. Journal of Medicinal Chemistry, 2005, 48, 3621-3629.	2.9	99
124	Cytochrome P450-derived linoleic acid metabolites EpOMEs and DiHOMEs: a review of recent studies. Journal of Nutritional Biochemistry, 2020, 86, 108484.	1.9	99
125	Cloning and expression of soluble epoxide hydrolase from potato. Plant Journal, 1994, 6, 251-258.	2.8	98
126	Involvement of CYP 2C9 in Mediating the Proinflammatory Effects of Linoleic Acid in Vascular Endothelial Cells. Journal of the American College of Nutrition, 2003, 22, 502-510.	1.1	98

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127	Trifluoromethylketones as possible transition state analog inhibitors of juvenile hormone esterase. Pesticide Biochemistry and Physiology, 1982, 17, 76-88.	1.6	97
128	Magnetic/luminescent core/shell particles synthesized by spray pyrolysis and their application in immunoassays with internal standard. Nanotechnology, 2007, 18, 055102.	1.3	97
129	Comparison of coating and immunizing antigen structure on the sensitivity and specificity of immunoassays for benzoylphenyl urea insecticides. Journal of Agricultural and Food Chemistry, 1984, 32, 1294-1301.	2.4	96
130	Hapten design for compound-selective antibodies: ELISAS for environmentally deleterious small molecules. Analytica Chimica Acta, 1998, 376, 83-91.	2.6	96
131	Leukotoxin-Diol. American Journal of Respiratory Cell and Molecular Biology, 2001, 25, 434-438.	1.4	96
132	Vitamin D Intake Needed to Maintain Target Serum 25-Hydroxyvitamin D Concentrations in Participants with Low Sun Exposure and Dark Skin Pigmentation Is Substantially Higher Than Current Recommendations. Journal of Nutrition, 2010, 140, 542-550.	1.3	96
133	Investigation of Human Exposure to Triclocarban after Showering and Preliminary Evaluation of Its Biological Effects. Environmental Science & Technology, 2011, 45, 3109-3115.	4.6	96
134	Inhibition of Soluble Epoxide Hydrolase Attenuates High-Fat-Dietâ€“Induced Hepatic Steatosis by Reduced Systemic Inflammatory Status in Mice. PLoS ONE, 2012, 7, e39165.	1.1	95
135	Maternal glyphosate exposure causes autism-like behaviors in offspring through increased expression of soluble epoxide hydrolase. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11753-11759.	3.3	95
136	Comparative inhibition of the juvenile hormone esterases from Trichoplusia ni, Tenebrio molitor, and Musca domestica. Pesticide Biochemistry and Physiology, 1980, 14, 290-302.	1.6	94
137	PCB-induced oxidative stress in endothelial cells: modulation by nutrients. International Journal of Hygiene and Environmental Health, 2002, 205, 95-102.	2.1	94
138	Preoperative stimulation of resolution and inflammation blockade eradicates micrometastases. Journal of Clinical Investigation, 2019, 129, 2964-2979.	3.9	94
139	Development of an enzyme-linked immunosorbent assay for the analysis of the thiocarbamate herbicide molinate. Journal of Agricultural and Food Chemistry, 1988, 36, 863-870.	2.4	93
140	Biochemical Evidence for the Involvement of Tyrosine in Epoxide Activation during the Catalytic Cycle of Epoxide Hydrolase. Journal of Biological Chemistry, 2000, 275, 23082-23088.	1.6	93
141	Human soluble epoxide hydrolase: Structural basis of inhibition by 4-(3-cyclohexylureido)-carboxylic acids. Protein Science, 2006, 15, 58-64.	3.1	93
142	Mechanism of Soluble Epoxide Hydrolase. Journal of Biological Chemistry, 1995, 270, 26923-26930.	1.6	92
143	Disc-based immunoassay microarrays. Analytica Chimica Acta, 2000, 411, 1-11.	2.6	92
144	Analgesia mediated by soluble epoxide hydrolase inhibitors is dependent on cAMP. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5093-5097.	3.3	92

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145	Anti-inflammatory Effects of Ï‰-3 Polyunsaturated Fatty Acids and Soluble Epoxide Hydrolase Inhibitors in Angiotensin-IIâ€“Dependent Hypertension. Journal of Cardiovascular Pharmacology, 2013, 62, 285-297.	0.8	92
146	Quantitative kinetic assays for glutathione S-transferase and general esterase in individual mosquitoes using an EIA reader. Insect Biochemistry, 1989, 19, 741-751.	1.8	91
147	Eu3+-doped Gd2O3 nanoparticles as reporters for optical detection and visualization of antibodies patterned by microcontact printing. Analytical and Bioanalytical Chemistry, 2006, 384, 631-637.	1.9	91
148	Development of a Nanobodyâ€“Alkaline Phosphatase Fusion Protein and Its Application in a Highly Sensitive Direct Competitive Fluorescence Enzyme Immunoassay for Detection of Ochratoxin A in Cereal. Analytical Chemistry, 2015, 87, 1387-1394.	3.2	91
149	Affinity purification of cytosolic epoxide hydrolase using derivatized epoxy-activated Sepharose gels. Analytical Biochemistry, 1988, 169, 71-80.	1.1	90
150	Comparison of free serum oxylipin concentrations in hyper- vs. normolipidemic men. Prostaglandins Leukotrienes and Essential Fatty Acids, 2013, 89, 19-29.	1.0	90
151	Suppression of chemotherapy-induced cytokine/lipid mediator surge and ovarian cancer by a dual COX-2/sEH inhibitor. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1698-1703.	3.3	89
152	Determination of atrazine metabolites in human urine: Development of a biomarker of exposure. Chemical Research in Toxicology, 1993, 6, 107-116.	1.7	88
153	Pyrethroid tolerance in Culex pipiens pipiens var molestus from Marin County, California. Pest Management Science, 2004, 60, 359-368.	1.7	88
154	Isolation of Alpaca Anti-Idiotypic Heavy-Chain Single-Domain Antibody for the Aflatoxin Immunoassay. Analytical Chemistry, 2013, 85, 8298-8303.	3.2	88
155	The distribution of juvenile hormone esterase and its interrelationship with other proteins influencing juvenile hormone metabolism in the cabbage looper, Trichoplusia ni. Insect Biochemistry, 1981, 11, 473-485.	1.8	87
156	Molecular and Biochemical Evidence for the Involvement of the Asp-333â€“His-523 Pair in the Catalytic Mechanism of Soluble Epoxide Hydrolase. Journal of Biological Chemistry, 1995, 270, 7968-7974.	1.6	87
157	Development of an Enzyme-Linked Immunosorbent Assay for the Detection of the Pyrethroid Insecticide Fenpropathrin. Journal of Agricultural and Food Chemistry, 1998, 46, 2211-2221.	2.4	87
158	A Sensitive Class Specific Immunoassay for the Detection of Pyrethroid Metabolites in Human Urine. Chemical Research in Toxicology, 2004, 17, 218-225.	1.7	87
159	Dihydroxyoctadecamonoenoate esters inhibit the neutrophil respiratory burst. Journal of Biosciences, 2007, 32, 279-291.	0.5	87
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