

# John E Casida

## 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.

259  
papers

14,876  
citations

64  
h-index

110  
g-index

260  
ext. papers

16,162  
ext. citations

5.7  
avg, IF

6.95  
L-index

#	Paper	IF	Citations
259	Radioligand Recognition of Insecticide Targets. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 3277-3290	3.7	206
258	Neonicotinoids and Other Insect Nicotinic Receptor Competitive Modulators: Progress and Prospects. <i>Annual Review of Entomology</i> , <b>2018</b> , 63, 125-144	21.8	107
257	Fiprole insecticide resistance of <i>Laodelphax striatellus</i> : electrophysiological and molecular docking characterization of A2'N RDL GABA receptors. <i>Pest Management Science</i> , <b>2018</b> , 74, 2645-2651	4.6	13
256	Acute toxicity, bioconcentration, elimination and antioxidant effects of fluralaner in zebrafish, <i>Danio rerio</i> . <i>Environmental Pollution</i> , <b>2018</b> , 232, 183-190	9.3	19
255	Pesticide Detox by Design. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 9379-9383	5.7	10
254	Ryanodine receptor genes of the rice stem borer, <i>Chilo suppressalis</i> : Molecular cloning, alternative splicing and expression profiling. <i>Pesticide Biochemistry and Physiology</i> , <b>2017</b> , 135, 69-77	4.9	15
253	Organophosphorus Xenobiotic Toxicology. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2017</b> , 57, 309-327	17.9	31
252	Pesticide Interactions: Mechanisms, Benefits, and Risks. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 4553-4561	5.7	36
251	Why Prodrugs and Propesticides Succeed. <i>Chemical Research in Toxicology</i> , <b>2017</b> , 30, 1117-1126	4	23
250	The ABCs of pesticide toxicology: amounts, biology, and chemistry. <i>Toxicology Research</i> , <b>2017</b> , 6, 755-763	3.6	30
249	Pesticide Chemical Research in Toxicology: Lessons from Nature. <i>Chemical Research in Toxicology</i> , <b>2017</b> , 30, 94-104	4	73
248	Unexpected Metabolic Reactions and Secondary Targets of Pesticide Action. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 4471-7	5.7	17
247	Lipases and their inhibitors in health and disease. <i>Chemico-Biological Interactions</i> , <b>2016</b> , 259, 211-222	5	26
246	Novel GABA receptor pesticide targets. <i>Pesticide Biochemistry and Physiology</i> , <b>2015</b> , 121, 22-30	4.9	69
245	Golden age of RyR and GABA-R diamide and isoxazoline insecticides: common genesis, serendipity, surprises, selectivity, and safety. <i>Chemical Research in Toxicology</i> , <b>2015</b> , 28, 560-6	4	81
244	Benomyl, aldehyde dehydrogenase, DOPAL, and the catecholaldehyde hypothesis for the pathogenesis of Parkinson's disease. <i>Chemical Research in Toxicology</i> , <b>2014</b> , 27, 1359-61	4	43
243	Diamide insecticide target site specificity in the <i>Heliothis</i> and <i>Musca</i> ryanodine receptors relative to toxicity. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 4077-82	5.7	42

242	Glufosinate binds N-methyl-D-aspartate receptors and increases neuronal network activity in vitro. <i>NeuroToxicology</i> , <b>2014</b> , 45, 38-47	4.4	29
241	Insect $\gamma$ -aminobutyric acid receptors and isoxazoline insecticides: toxicological profiles relative to the binding sites of [ $^3$ H]fluralaner, [ $^3$ H]-4'-ethynyl-4-n-propylbicycloorthobenzoate, and [ $^3$ H]ivermectin. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 1019-24	5.7	43
240	Fluorescent probes for insect ryanodine receptors: candidate anthranilic diamides. <i>Molecules</i> , <b>2014</b> , 19, 4105-14	4.8	8
239	GABAA receptor target of tetramethylenedisulfotetramine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 8607-12	11.5	41
238	New GABA/glutamate receptor target for [ $^3$ H]isoxazoline insecticide. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 514-6	4	69
237	Insect nicotinic receptor interactions in vivo with neonicotinoid, organophosphorus, and methylcarbamate insecticides and a synergist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 17273-7	11.5	30
236	Neuroactive insecticides: targets, selectivity, resistance, and secondary effects. <i>Annual Review of Entomology</i> , <b>2013</b> , 58, 99-117	21.8	472
235	Aldehyde dehydrogenase inhibition as a pathogenic mechanism in Parkinson disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 636-41	11.5	138
234	Species differences in chlorantraniliprole and flubendiamide insecticide binding sites in the ryanodine receptor. <i>Pesticide Biochemistry and Physiology</i> , <b>2013</b> , 107, 321-6	4.9	52
233	Newly observed spontaneous activation of ethephon as a butyrylcholinesterase inhibitor. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 422-31	4	6
232	Anticholinesterase insecticide retrospective. <i>Chemico-Biological Interactions</i> , <b>2013</b> , 203, 221-5	5	70
231	Neonicotinoid formaldehyde generators: possible mechanism of mouse-specific hepatotoxicity/hepatocarcinogenicity of thiamethoxam. <i>Toxicology Letters</i> , <b>2013</b> , 216, 139-45	4.4	33
230	Cycloxaprid insecticide: nicotinic acetylcholine receptor binding site and metabolism. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 7883-8	5.7	43
229	Characterization of the transient oxaphosphetane BChE inhibitor formed from spontaneously activated ethephon. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 1320-2	4	3
228	Aldehyde oxidase importance in vivo in xenobiotic metabolism: imidacloprid nitroreduction in mice. <i>Toxicological Sciences</i> , <b>2013</b> , 133, 22-8	4.4	47
227	Insect ryanodine receptor: distinct but coupled insecticide binding sites for [N-C(3)H(3)]chlorantraniliprole, flubendiamide, and [(3)H]ryanodine. <i>Chemical Research in Toxicology</i> , <b>2012</b> , 25, 1571-3	4	64
226	The greening of pesticide-environment interactions: some personal observations. <i>Environmental Health Perspectives</i> , <b>2012</b> , 120, 487-93	8.4	37
225	Novel nicotinic action of the sulfoximine insecticide sulfoxaflor. <i>Insect Biochemistry and Molecular Biology</i> , <b>2011</b> , 41, 432-9	4.5	113

224	Neonicotinoid insecticides: oxidative stress in planta and metallo-oxidase inhibition. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 4860-7	5.7	33
223	GABAA receptor open-state conformation determines non-competitive antagonist binding. <i>Toxicology and Applied Pharmacology</i> , <b>2011</b> , 250, 221-8	4.6	11
222	Curious about pesticide action. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 2762-9	5.7	27
221	Activity-based protein profiling of organophosphorus and thiocarbamate pesticides reveals multiple serine hydrolase targets in mouse brain. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 2808-15	5.7	71
220	Unique neonicotinoid binding conformations conferring selective receptor interactions. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 2825-8	5.7	36
219	Neonicotinoid metabolism: compounds, substituents, pathways, enzymes, organisms, and relevance. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 2923-31	5.7	201
218	Neonicotinoid insecticides induce salicylate-associated plant defense responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 17527-32	11.5	121
217	S-Arachidonoyl-2-thioglycerol synthesis and use for fluorimetric and colorimetric assays of monoacylglycerol lipase. <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 1942-7	3.4	9
216	Michael Elliott's billion dollar crystals and other discoveries in insecticide chemistry. <i>Pest Management Science</i> , <b>2010</b> , 66, 1163-70	4.6	14
215	Bis-neonicotinoid insecticides: Observed and predicted binding interactions with the nicotinic receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 3449-52	2.9	24
214	Enzymes and inhibitors in neonicotinoid insecticide metabolism. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 4861-6	5.7	52
213	Nicotinic agonist binding site mapped by methionine- and tyrosine-scanning coupled with azidochloropyridinyl photoaffinity labeling. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 3735-41	8.3	15
212	Molecular recognition of neonicotinoid insecticides: the determinants of life or death. <i>Accounts of Chemical Research</i> , <b>2009</b> , 42, 260-9	24.3	132
211	Pest toxicology: the primary mechanisms of pesticide action. <i>Chemical Research in Toxicology</i> , <b>2009</b> , 22, 609-19	4	217
210	JOHN E. CASIDA <b>2009</b> , 383-431		3
209	Activation of the endocannabinoid system by organophosphorus nerve agents. <i>Nature Chemical Biology</i> , <b>2008</b> , 4, 373-8	11.7	102
208	Organophosphate-sensitive lipases modulate brain lysophospholipids, ether lipids and endocannabinoids. <i>Chemico-Biological Interactions</i> , <b>2008</b> , 175, 355-64	5	33
207	Dual roles of brain serine hydrolase KIAA1363 in ether lipid metabolism and organophosphate detoxification. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 228, 42-8	4.6	22

206	Cellular function of neuropathy target esterase in lysophosphatidylcholine action. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 232, 376-83	4.6	25
205	Comparative metabolism and pharmacokinetics of seven neonicotinoid insecticides in spinach. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 10168-75	5.7	112
204	Atypical nicotinic agonist bound conformations conferring subtype selectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 1728-32	11.5	68
203	Atomic interactions of neonicotinoid agonists with AChBP: molecular recognition of the distinctive electronegative pharmacophore. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 7606-11	11.5	134
202	Monoacylglycerol lipase regulates 2-arachidonoylglycerol action and arachidonic acid levels. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 5875-8	2.9	67
201	Insecticide interactions with .GAMMA.-aminobutyric acid and nicotinic receptors: predictive aspects of structural models. <i>Journal of Pesticide Sciences</i> , <b>2008</b> , 33, 4-8	2.7	28
200	Glutathione S-transferase conjugation of organophosphorus pesticides yields S-phospho-, S-aryl-, and S-alkylglutathione derivatives. <i>Chemical Research in Toxicology</i> , <b>2007</b> , 20, 1211-7	4	76
199	Nitroso-imidacloprid irreversibly inhibits rabbit aldehyde oxidase. <i>Chemical Research in Toxicology</i> , <b>2007</b> , 20, 1942-6	4	20
198	Lysophosphatidylcholine hydrolases of human erythrocytes, lymphocytes, and brain: sensitive targets of conserved specificity for organophosphorus delayed neurotoxicants. <i>Toxicology and Applied Pharmacology</i> , <b>2007</b> , 224, 98-104	4.6	25
197	Mapping the elusive neonicotinoid binding site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 9075-80	11.5	62
196	Defining nicotinic agonist binding surfaces through photoaffinity labeling. <i>Biochemistry</i> , <b>2007</b> , 46, 8798-806	11.5	37
195	Insect muscarinic acetylcholine receptor: pharmacological and toxicological profiles of antagonists and agonists. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 2276-81	5.7	12
194	Monoacylglycerol lipase inhibition by organophosphorus compounds leads to elevation of brain 2-arachidonoylglycerol and the associated hypomotility in mice. <i>Toxicology and Applied Pharmacology</i> , <b>2006</b> , 211, 78-83	4.6	68
193	Spontaneous mobility of GABAA receptor M2 extracellular half relative to noncompetitive antagonist action. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 38871-8	5.4	14
192	Structural model for gamma-aminobutyric acid receptor noncompetitive antagonist binding: widely diverse structures fit the same site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 5185-90	11.5	127
191	Unique and common metabolites of thiamethoxam, clothianidin, and dinotefuran in mice. <i>Chemical Research in Toxicology</i> , <b>2006</b> , 19, 1549-56	4	115
190	Neo-nicotinoid metabolic activation and inactivation established with coupled nicotinic receptor-CYP3A4 and -aldehyde oxidase systems. <i>Toxicology Letters</i> , <b>2006</b> , 161, 108-14	4.4	48
189	Chloropyridinyl neonicotinoid insecticides: diverse molecular substituents contribute to facile metabolism in mice. <i>Chemical Research in Toxicology</i> , <b>2006</b> , 19, 944-51	4	121

188	Substrate specificity of rabbit aldehyde oxidase for nitroguanidine and nitromethylene neonicotinoid insecticides. <i>Chemical Research in Toxicology</i> , <b>2006</b> , 19, 38-43	4	39
187	Insect nicotinic acetylcholine receptors: neonicotinoid binding site specificity is usually but not always conserved with varied substituents and species. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 3365-71	5-7	39
186	Serine hydrolase KIAA1363: toxicological and structural features with emphasis on organophosphate interactions. <i>Chemical Research in Toxicology</i> , <b>2006</b> , 19, 1142-50	4	28
185	Neonicotinoid nitroguanidine insecticide metabolites: synthesis and nicotinic receptor potency of guanidines, aminoguanidines, and their derivatives. <i>Chemical Research in Toxicology</i> , <b>2005</b> , 18, 1479-84	4	41
184	Identification of aldehyde oxidase as the neonicotinoid nitroreductase. <i>Chemical Research in Toxicology</i> , <b>2005</b> , 18, 317-23	4	68
183	Cloning, expression, and catalytic triad of recombinant arylformamidase. <i>Protein Expression and Purification</i> , <b>2005</b> , 44, 39-44	2	17
182	Neonicotinoid insecticide toxicology: mechanisms of selective action. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2005</b> , 45, 247-68	17.9	1070
181	Serine hydrolase targets of organophosphorus toxicants. <i>Chemico-Biological Interactions</i> , <b>2005</b> , 157-158, 277-83	5	139
180	Platelet-activating factor acetylhydrolase: selective inhibition by potent n-alkyl methylphosphonofluoridates. <i>Toxicology and Applied Pharmacology</i> , <b>2005</b> , 205, 149-56	4.6	17
179	A brain detoxifying enzyme for organophosphorus nerve poisons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 6195-200	11.5	48
178	Blood acylpeptide hydrolase activity is a sensitive marker for exposure to some organophosphate toxicants. <i>Toxicological Sciences</i> , <b>2005</b> , 86, 291-9	4.4	50
177	Why Insecticides are More Toxic to Insects than People: The Unique Toxicology of Insects. <i>Journal of Pesticide Sciences</i> , <b>2004</b> , 29, 81-86	2.7	51
176	Lysophospholipase inhibition by organophosphorus toxicants. <i>Toxicology and Applied Pharmacology</i> , <b>2004</b> , 196, 319-26	4.6	27
175	Drosophila nicotinic receptors: evidence for imidacloprid insecticide and alpha-bungarotoxin binding to distinct sites. <i>Neuroscience Letters</i> , <b>2004</b> , 371, 56-9	3.3	21
174	Rotenone, deguelin, their metabolites, and the rat model of Parkinson's disease. <i>Chemical Research in Toxicology</i> , <b>2004</b> , 17, 1540-8	4	152
173	Organophosphate toxicology: safety aspects of nonacetylcholinesterase secondary targets. <i>Chemical Research in Toxicology</i> , <b>2004</b> , 17, 983-98	4	416
172	Cartap hydrolysis relative to its action at the insect nicotinic channel. <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 95-8	5.7	32
171	Ability of Poplar ( <i>Populus</i> spp.) to Detoxify Chloroacetanilide Herbicides. <i>Water, Air and Soil Pollution</i> , <b>2003</b> , 3, 277-283		14

170	5-Azidoepibatidine: an exceptionally potent photoaffinity ligand for neuronal alpha 4 beta 2 and alpha 7 nicotinic acetylcholine receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2003</b> , 13, 525-7	2.9	19
169	Reply to Association between organophosphate exposure and hyperactivity? <i>Nature Genetics</i> , <b>2003</b> , 34, 235-235	36.3	
168	Loss of neuropathy target esterase in mice links organophosphate exposure to hyperactivity. <i>Nature Genetics</i> , <b>2003</b> , 33, 477-85	36.3	142
167	Major intermediates in organophosphate synthesis (PCl <sub>3</sub> , POCl <sub>3</sub> , PScl <sub>3</sub> , and their diethyl esters) are anticholinesterase agents directly or on activation. <i>Chemical Research in Toxicology</i> , <b>2003</b> , 16, 350-6	4	19
166	Selective toxicity of neonicotinoids attributable to specificity of insect and mammalian nicotinic receptors. <i>Annual Review of Entomology</i> , <b>2003</b> , 48, 339-64	21.8	651
165	Cannabinoid CB1 Receptor Chemical Affinity Probes: Methods Suitable for Preparation of Isopropyl [11,12- <sup>3</sup> H]Dodecylfluorophosphonate and [11,12- <sup>3</sup> H]Dodecanesulfonyl Fluoride. <i>Synthetic Communications</i> , <b>2003</b> , 33, 2151-2159	1.7	22
164	Nereistoxin and cartap neurotoxicity attributable to direct block of the insect nicotinic receptor/channel. <i>Journal of Agricultural and Food Chemistry</i> , <b>2003</b> , 51, 2646-52	5.7	37
163	Insecticides in Chinese medicinal plants: survey leading to jacaranone, a neurotoxicant and glutathione-reactive quinol. <i>Journal of Agricultural and Food Chemistry</i> , <b>2003</b> , 51, 2544-7	5.7	46
162	Synthesis of a tritium-labeled, fipronil-based, highly potent, photoaffinity probe for the GABA receptor. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 8075-9	4.2	28
161	The neonicotinoid electronegative pharmacophore plays the crucial role in the high affinity and selectivity for the Drosophila nicotinic receptor: an anomaly for the nicotinoid cation-π interaction model. <i>Biochemistry</i> , <b>2003</b> , 42, 7819-27	3.2	110
160	Evidence that mouse brain neuropathy target esterase is a lysophospholipase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 7983-7	11.5	108
159	Selective inhibitors of fatty acid amide hydrolase relative to neuropathy target esterase and acetylcholinesterase: toxicological implications. <i>Toxicology and Applied Pharmacology</i> , <b>2002</b> , 179, 57-63	4.6	49
158	Desnitro-imidacloprid activates the extracellular signal-regulated kinase cascade via the nicotinic receptor and intracellular calcium mobilization in N1E-115 cells. <i>Toxicology and Applied Pharmacology</i> , <b>2002</b> , 184, 180-6	4.6	34
157	Neonicotinoid insecticides: reduction and cleavage of imidacloprid nitroimine substituent by liver microsomal and cytosolic enzymes. <i>Chemical Research in Toxicology</i> , <b>2002</b> , 15, 1158-65	4	57
156	Structural features of azidopyridinyl neonicotinoid probes conferring high affinity and selectivity for mammalian alpha4beta2 and Drosophila nicotinic receptors. <i>Journal of Medicinal Chemistry</i> , <b>2002</b> , 45, 2832-40	8.3	56
155	Imidacloprid insecticide metabolism: human cytochrome P450 isozymes differ in selectivity for imidazolidine oxidation versus nitroimine reduction. <i>Toxicology Letters</i> , <b>2002</b> , 132, 65-70	4.4	116
154	Photoaffinity labeling of insect nicotinic acetylcholine receptors with a novel [( <sup>3</sup> H)]azidoneonicotinoid. <i>Journal of Neurochemistry</i> , <b>2001</b> , 78, 1359-66	6	18
153	Fipronil-based photoaffinity probe for Drosophila and human beta 3 GABA receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2001</b> , 11, 2979-81	2.9	13

152	Structure and diversity of insect nicotinic acetylcholine receptors. <i>Pest Management Science</i> , <b>2001</b> , 57, 914-22	4.6	100
151	The insecticide target in the PSST subunit of complex I. <i>Pest Management Science</i> , <b>2001</b> , 57, 932-40	4.6	58
150	Role of human GABA(A) receptor beta3 subunit in insecticide toxicity. <i>Toxicology and Applied Pharmacology</i> , <b>2001</b> , 172, 233-40	4.6	105
149	Fatty acid amide hydrolase inhibition by neurotoxic organophosphorus pesticides. <i>Toxicology and Applied Pharmacology</i> , <b>2001</b> , 173, 48-55	4.6	90
148	Analgesic and toxic effects of neonicotinoid insecticides in mice. <i>Toxicology and Applied Pharmacology</i> , <b>2001</b> , 177, 77-83	4.6	60
147	Detoxification of alpha- and beta-Thujones (the active ingredients of absinthe): site specificity and species differences in cytochrome P450 oxidation in vitro and in vivo. <i>Chemical Research in Toxicology</i> , <b>2001</b> , 14, 589-95	4	66
146	Insect nicotinic acetylcholine receptor: conserved neonicotinoid specificity of [(3)H]imidacloprid binding site. <i>Journal of Neurochemistry</i> , <b>2000</b> , 75, 1294-303	6	111
145	Chloropicrin dechlorination in relation to toxic action. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2000</b> , 14, 26-32	3.4	20
144	Sensitivity of blood-clotting factors and digestive enzymes to inhibition by organophosphorus pesticides. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2000</b> , 14, 51-6	3.4	24
143	Chemical model for phosphine-induced lipid peroxidation. <i>Pest Management Science</i> , <b>2000</b> , 56, 779-783	4.6	23
142	Activation of extracellular signal-regulated kinases (ERK 44/42) by chlorpyrifos oxon in Chinese hamster ovary cells. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2000</b> , 14, 346-53	3.4	18
141	Avermectin chemistry and action: ester- and ether-type candidate photoaffinity probes. <i>Bioorganic and Medicinal Chemistry</i> , <b>2000</b> , 8, 19-26	3.4	6
140	Regional modification of [(3)H]Ethynylbicycloorthobenzoate binding in mouse brain GABA(A) receptor by endosulfan, fipronil, and avermectin B(1a). <i>Toxicology and Applied Pharmacology</i> , <b>2000</b> , 163, 188-94	4.6	34
139	Imidacloprid, thiacloprid, and their imine derivatives up-regulate the alpha 4 beta 2 nicotinic acetylcholine receptor in M10 cells. <i>Toxicology and Applied Pharmacology</i> , <b>2000</b> , 169, 114-20	4.6	72
138	5-Azidoimidacloprid and an acyclic analogue as candidate photoaffinity probes for mammalian and insect nicotinic acetylcholine receptors. <i>Journal of Medicinal Chemistry</i> , <b>2000</b> , 43, 5003-9	8.3	29
137	Neonicotinoid insecticides: molecular features conferring selectivity for insect versus mammalian nicotinic receptors. <i>Journal of Agricultural and Food Chemistry</i> , <b>2000</b> , 48, 6016-24	5.7	174
136	Minor structural changes in nicotinoid insecticides confer differential subtype selectivity for mammalian nicotinic acetylcholine receptors. <i>British Journal of Pharmacology</i> , <b>1999</b> , 127, 115-22	8.6	99
135	Desnitroimidacloprid and Nicotine Binding Site in Rat Recombinant $\alpha 4 \beta 2$ Neuronal Nicotinic Acetylcholine Receptor. <i>Pesticide Biochemistry and Physiology</i> , <b>1999</b> , 64, 55-61	4.9	19



134	Organophosphorus pesticide-induced butyrylcholinesterase inhibition and potentiation of succinylcholine toxicity in mice. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>1999</b> , 13, 113-8	3.4	16
133	New bioactive flavonoids and stilbenes in cubfresin insecticide. <i>Journal of Natural Products</i> , <b>1999</b> , 62, 205-10	4.9	74
132	Novel and potent 6-chloro-3-pyridinyl ligands for the alpha4beta2 neuronal nicotinic acetylcholine receptor. <i>Journal of Medicinal Chemistry</i> , <b>1999</b> , 42, 2227-34	8.3	53
131	NADH: ubiquinone oxidoreductase inhibitors block induction of ornithine decarboxylase activity in MCF-7 human breast cancer cells. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1998</b> , 83, 214-9		26
130	Photoaffinity radioligand for NADH:ubiquinone oxidoreductase: [S-C3H2](trifluoromethyl)diaziriny-pyridaben. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>1998</b> , 41, 191-199	1.9	11
129	Human protoporphyrinogen oxidase: relation between the herbicide binding site and the flavin cofactor. <i>Biochemistry</i> , <b>1998</b> , 37, 6905-10	3.2	12
128	Oxidative bioactivation of methamidophos insecticide: synthesis of N-hydroxymethamidophos (a candidate metabolite) and its proposed alternative reactions involving N→O rearrangement or fragmentation through a metaphosphate analogue. <i>Chemical Research in Toxicology</i> , <b>1998</b> , 11, 26-34	4	15
127	Mechanism for benomyl action as a mitochondrial aldehyde dehydrogenase inhibitor in mice. <i>Chemical Research in Toxicology</i> , <b>1998</b> , 11, 535-43	4	39
126	Golden age of insecticide research: past, present, or future?. <i>Annual Review of Entomology</i> , <b>1998</b> , 43, 1-16	21.8	464
125	Dialkylquinonimines validated as in vivo metabolites of alachlor, acetochlor, and metolachlor herbicides in rats. <i>Chemical Research in Toxicology</i> , <b>1998</b> , 11, 353-9	4	29
124	Mechanisms for selective toxicity of fipronil insecticide and its sulfone metabolite and desulfinyl photoproduct. <i>Chemical Research in Toxicology</i> , <b>1998</b> , 11, 1529-35	4	265
123	Herbicide safener-binding protein of maize. Purification, cloning, and expression of an encoding cDNA. <i>Plant Physiology</i> , <b>1998</b> , 116, 1083-9	6.6	38
122	Whitefly (Hemiptera: Aleyrodidae) binding site for imidacloprid and related insecticides: a putative nicotinic acetylcholine receptor. <i>Journal of Economic Entomology</i> , <b>1997</b> , 90, 879-82	2.2	56
121	Synthesis of a novel [125I]neonicotinoid photoaffinity probe for the Drosophila nicotinic acetylcholine receptor. <i>Bioconjugate Chemistry</i> , <b>1997</b> , 8, 7-14	6.3	33
120	Anomalous structure-activity relationships of 13-homo-13-oxarotenoids and 13-homo-13-oxadehyrorotenoids. <i>Chemical Research in Toxicology</i> , <b>1997</b> , 10, 853-8	4	16
119	Acephate insecticide toxicity: safety conferred by inhibition of the bioactivating carboxamidase by the metabolite methamidophos. <i>Chemical Research in Toxicology</i> , <b>1997</b> , 10, 64-9	4	58
118	Role of cerebellar granule cell-specific GABAA receptor subtype in the differential sensitivity of [3H]ethynylbicycloorthobenzoate binding to GABA mimetics. <i>Neuroscience Letters</i> , <b>1997</b> , 225, 85-8	3.3	10
117	[125I]Azidonicotinoid photoaffinity labeling of insecticide-binding subunit of Drosophila nicotinic acetylcholine receptor. <i>Neuroscience Letters</i> , <b>1997</b> , 237, 61-4	3.3	27

116	Interaction of Imidacloprid Metabolites and Analogs with the Nicotinic Acetylcholine Receptor of Mouse Brain in Relation to Toxicity. <i>Pesticide Biochemistry and Physiology</i> , <b>1997</b> , 58, 77-88	4.9	123
115	Structural modifications increase the insecticidal activity of ryanodine. <i>Pest Management Science</i> , <b>1997</b> , 51, 33-38		25
114	Novel neonicotinoid-agarose affinity column for <i>Drosophila</i> and <i>Musca</i> nicotinic acetylcholine receptors. <i>Journal of Neurochemistry</i> , <b>1996</b> , 67, 1669-76	6	47
113	S-methylation of O,O-dialkyl phosphorodithioic acids: O,O,S-trimethyl phosphorodithioate and phosphorothiolate as metabolites of dimethoate in mice. <i>Chemical Research in Toxicology</i> , <b>1996</b> , 9, 1202-6	4	15
112	Fenazaquin Acaricide Specific Binding Sites in NADH: Ubiquinone Oxidoreductase and Apparently the ATP Synthase Stalk. <i>Pesticide Biochemistry and Physiology</i> , <b>1996</b> , 54, 135-145	4.9	47
111	Heterocyclic Insecticides Acting at the GABA-Gated Chloride Channel: 5-Alkyl-2-arylpyrimidines and -1,3-thiazines. <i>Pest Management Science</i> , <b>1996</b> , 46, 237-245		15
110	Nimbolide is the Principal Cytotoxic Component of Neem-Seed Insecticide Preparations <b>1996</b> , 48, 135-140		19
109	[6-chloro-3-pyridylmethyl-3H] neonicotinoids as high-affinity radioligands for the nicotinic acetylcholine receptor: Preparation using NaB <sup>3</sup> H <sub>4</sub> and LiB <sup>3</sup> H <sub>4</sub> . <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>1996</b> , 38, 971-978	1.9	24
108	Neuropathy target esterase of hen brain: active site reactions with 2-[octyl-3H]octyl-4H-1,3,2-benzodioxaphosphorin 2-oxide and 2-octyl-4H-1,3,2-[aryl-3H]benzodioxaphosphorin 2-oxide. <i>Journal of Neurochemistry</i> , <b>1995</b> , 64, 1680-7	6	12
107	Non-steroidal analogues of veratridine: Model-based design, synthesis and insecticidal activity. <i>Pest Management Science</i> , <b>1995</b> , 44, 96-102		7
106	Affinity probes for the GABA-gated chloride channel: 5e-tert-butyl-2e-[4-(substituted-ethynyl)phenyl]-1,3-dithianes with photoactivatable, fluorescent, biotin, agarose and protein substituents. <i>Bioorganic and Medicinal Chemistry</i> , <b>1995</b> , 3, 1675-84	3.4	8
105	STEREOSPECIFIC INTRAMOLECULAR CYCLIZATION FOR ASYMMETRIC SYNTHESIS OF (RP)- AND (SP)-ENANTIOMERS OF 2-OCTYL- AND 2-PHENYL-4H-1,3,2-BENZODIOXAPHOSPHORIN 2-OXIDES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1995</b> , 102, 177-184	1	8
104	S-methylation as a bioactivation mechanism for mono- and dithiocarbamate pesticides as aldehyde dehydrogenase inhibitors. <i>Chemical Research in Toxicology</i> , <b>1995</b> , 8, 1063-9	4	42
103	<i>Drosophila</i> GABA-gated chloride channel: modified [3H]EBOB binding site associated with Ala→Ser or Gly mutants of Rdl subunit. <i>Life Sciences</i> , <b>1995</b> , 56, 757-65	6.8	61
102	Insecticidal isomers of 4-tert-butyl-1-(4-ethynylcyclohexyl)-2,6,7-trioxabicyclo [2.2.2] octane and 5-tert-butyl-2-(4-ethynylcyclohexyl)-1,3-dithiane. <i>Pest Management Science</i> , <b>1995</b> , 44, 69-74		3
101	House fly head GABA-gated chloride channel: [3 H] Endosulfan binding in relation to polychlorocycloalkane insecticide action. <i>Pest Management Science</i> , <b>1994</b> , 42, 59-63		10
100	Sulfoxidation of the Soil Fumigants Metam, Methyl Isothiocyanate, and Dazomet. <i>Journal of Agricultural and Food Chemistry</i> , <b>1994</b> , 42, 2019-2024	5.7	10
99	ASYMMETRIC SYNTHESIS OF (Rp)- AND (Sp )-2-ETHYL-, (Rp )-2-PENTYLOXY-, (Sp )-2-PENTYLTHIO- AND (Sp )-2-PENTYLAMINO-4H-1,3,2-BENZODIOXAPHOSPHORIN 2-OXIDES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1994</b> , 88, 129-137	1	8

98	Ryanoid Chemistry and Action. <i>ACS Symposium Series</i> , <b>1993</b> , 130-144	0.4	3
97	Insecticide Binding Sites on $\gamma$ -Aminobutyric Acid Receptors of Insects and Mammals. <i>ACS Symposium Series</i> , <b>1993</b> , 126-143	0.4	4
96	Metabolism in rats and mice of the soil fumigants metham, methyl isothiocyanate, and dazomet. <i>Journal of Agricultural and Food Chemistry</i> , <b>1993</b> , 41, 1497-1502	5.7	26
95	Insecticide action at the GABA-gated chloride channel: recognition, progress, and prospects. <i>Archives of Insect Biochemistry and Physiology</i> , <b>1993</b> , 22, 13-23	2.3	112
94	Three-bond $^{13}\text{C}$ ? $^1\text{H}$ coupling constants for chrysanthemic acid and phenothrin metabolites: Detection by two-dimensional long-range $^{13}\text{C}$ ? $^1\text{H}$ J-resolution spectroscopy. <i>Magnetic Resonance in Chemistry</i> , <b>1993</b> , 31, 90-93	2.1	29
93	( $\beta$ , Z, 1R, 3R)-[4?,4?- $^3\text{H}$ ]cyhalothrin and -[4?,6?,- $^3\text{H}$ ]4?-fluorocyhalothrin: Synthesis of candidate pyrethroid radioligands for the sodium channel. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>1993</b> , 33, 613-625	1.9	2
92	1,3-dithianes with acid functionalities: potent inhibitors and candidate affinity probes for the gaba-gated chloride channel. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1993</b> , 3, 2671-2674	2.9	7
91	GABA-gated chloride channel: Binding site for 4?-ethynyl-4-n-[2,3- $^3\text{H}_2$ ]propylbicycloorthobenzoate ([ $^3\text{H}$ ]EBOB) in vertebrate brain and insect head. <i>Pesticide Biochemistry and Physiology</i> , <b>1992</b> , 44, 1-8	4.9	82
90	House fly head GABA-gated chloride channel: Toxicologically relevant binding site for avermectins coupled to site for ethynylbicycloorthobenzoate. <i>Pesticide Biochemistry and Physiology</i> , <b>1992</b> , 43, 116-122	4.9	43
89	2-Aryl-5-tert-butyl-1,3-dithianes and their S-oxidation products: structure-activity relationships of potent insecticides acting at the GABA-gated chloride channel. <i>Journal of Agricultural and Food Chemistry</i> , <b>1992</b> , 40, 497-505	5.7	26
88	Insecticidal 1,3-dithianes. <i>Journal of Agricultural and Food Chemistry</i> , <b>1992</b> , 40, 147-151	5.7	20
87	Insecticidal thioureas: preparation of [phenoxy-4- $^3\text{H}$ ]diafenthion, the corresponding carbodiimide, and related compounds. <i>Journal of Agricultural and Food Chemistry</i> , <b>1992</b> , 40, 909-913	5.7	10
86	[ $^3\text{H}$ ]imidacloprid: Synthesis of a candidate radioligand for the nicotinic acetylcholine receptor. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>1992</b> , 31, 609-613	1.9	22
85	Interaction of 1-methyl-4-phenylpyridinium ion (MPP+) and its analogs with the rotenone/piericidin binding site of NADH dehydrogenase. <i>Journal of Neurochemistry</i> , <b>1991</b> , 56, 1184-90	6	197
84	Novel selective catalytic reduction with tritium: Synthesis of the GABAA receptor radioligand 1-(4-ethynylphenyl)-4-[2,3- $^3\text{H}_2$ ]propyl-2,6,7-trioxabicyclo[2.2.2]octane. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>1991</b> , 29, 829-839	1.9	11
83	STEREOCHEMISTRY OF OXIDATIVELY-INDUCED TRANSFORMATION OF DIESTER PHOSPHOROTHIOIC ACIDS AND TRIESTER PHOSPHOROTHIONATES TO DIESTER HYDROGENPHOSPHONATES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1991</b> , 56, 21-26	1	
82	Recognition of tetramethylenedisulfotetramine and related sulfamides by the brain GABA-gated chloride channel and a cyclodiene-sensitive monoclonal antibody. <i>Chemical Research in Toxicology</i> , <b>1991</b> , 4, 162-7	4	35
81	Insecticidal activity of various 3-acyl and other derivatives of veracevine relative to the veratrum alkaloids veratridine and cevadine. <i>Journal of Agricultural and Food Chemistry</i> , <b>1991</b> , 39, 1875-1881	5.7	24

80	Alachlor and its analogs as metabolic progenitors of formaldehyde: fate of N-methoxymethyl and other N-alkoxyalkyl substituents. <i>Journal of Agricultural and Food Chemistry</i> , <b>1991</b> , 39, 1342-1350	5.7	21
79	House fly brain $\gamma$ -aminobutyric acid-gated chloride channel: target for multiple classes of insecticides. <i>Pesticide Biochemistry and Physiology</i> , <b>1991</b> , 41, 60-65	4.9	62
78	Pyrethroid metabolism: microsomal oxidase metabolites of (S)-bioallethrin and the six natural pyrethrins. <i>Journal of Agricultural and Food Chemistry</i> , <b>1990</b> , 38, 529-537	5.7	38
77	OXIDATIVELY-INDUCED FORMATION OF DIALKYL HYDROGENPHOSPHONATES FROM PHOSPHOROTHIONATES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1990</b> , 54, 221-224	1	2
76	1-[4-[(Trimethylsilyl)ethynyl]phenyl]-2,6,7-trioxabicyclo[2.2.2]octanes: a novel type of selective proinsecticide. <i>Journal of Agricultural and Food Chemistry</i> , <b>1990</b> , 38, 1091-1093	5.7	12
75	Tritritonikkomycin Z, [uracil-5- <sup>3</sup> H,pyridyl-2,4- <sup>3</sup> H <sub>2</sub> ]: radiolabeling of a potent inhibitor of fungal and insect chitin synthetase. <i>Journal of Agricultural and Food Chemistry</i> , <b>1990</b> , 38, 1712-1715	5.7	3
74	1-(4-Ethynylphenyl)-2,6,7-trioxabicyclo[2.2.2]octanes: a new order of potency for insecticides acting at the GABA-gated chloride channel. <i>Journal of Agricultural and Food Chemistry</i> , <b>1989</b> , 37, 213-216	5.7	26
73	HRGC-MS studies on the microsomal oxidase metabolites of the pyrethroid insecticide S-bioallethrin. <i>Fresenius Zeitschrift für Analytische Chemie</i> , <b>1989</b> , 333, 743-744		1
72	Metabolites of the prototype insecticide (2E,4E)-N-isobutyl-6-phenylhexa-2,4-dienamide. 2. Formation in mouse and rat liver microsomal systems, rat hepatocytes, and houseflies. <i>Journal of Agricultural and Food Chemistry</i> , <b>1989</b> , 37, 781-786	5.7	5
71	Long-range CH correlation 2D NMR spectroscopy 2Effect of TANGO and BIRD pulses. <i>Magnetic Resonance in Chemistry</i> , <b>1988</b> , 26, 362-366	2.1	11
70	Long-range CH correlation 2D NMR spectroscopy 3Long-range J modulation of cross-peak intensities. <i>Magnetic Resonance in Chemistry</i> , <b>1988</b> , 26, 367-372	2.1	12
69	Long-range CH correlation 2D NMR spectroscopy. 4Complete spectral assignments of the pesticide metabolite S-(2,3-dihydroxy-1-propyl)glutathione. <i>Magnetic Resonance in Chemistry</i> , <b>1988</b> , 26, 542-546	2.1	3
68	Complete spectral assignments of cevadine and veratridine by 2D NMR techniques. <i>Magnetic Resonance in Chemistry</i> , <b>1988</b> , 26, 980-989	2.1	9
67	Phosphorylating intermediates in the peracid oxidation of phosphorothionates, phosphorothiolates, and phosphorodithioates. <i>Journal of Agricultural and Food Chemistry</i> , <b>1988</b> , 36, 610-615	5.7	22
66	Bicycloorthocarboxylates. <i>ACS Symposium Series</i> , <b>1987</b> , 71-82	0.4	2
65	Structural aspects of ryanodine action and selectivity. <i>Journal of Medicinal Chemistry</i> , <b>1987</b> , 30, 710-6	8.3	85
64	COLOC-S: A modified COLOC sequence for selective long-range X-H correlation 2D NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , <b>1987</b> , 25, 837-842	2.1	43
63	Polychlorocycloalkane insecticide-induced convulsions in mice in relation to disruption of the GABA-regulated chloride ionophore. <i>Life Sciences</i> , <b>1986</b> , 39, 1855-62	6.8	63

62	Effects of insecticides and GABAergic agents on a house fly [35S]t-butylbicyclophosphorothionate binding site. <i>Pesticide Biochemistry and Physiology</i> , <b>1986</b> , 25, 63-72	4.9	28
61	t-[3H]butylbicycloorthobenzoate: new radioligand probe for the gamma-aminobutyric acid-regulated chloride ionophore. <i>Journal of Neurochemistry</i> , <b>1985</b> , 45, 798-804	6	96
60	Solubilization and detergent effects on interactions of some drugs and insecticides with the t-butylbicyclophosphorothionate binding site within the gamma-aminobutyric acid receptor-ionophore complex. <i>Journal of Neurochemistry</i> , <b>1985</b> , 44, 110-6	6	34
59	R-25788 Effects on Chlorsulfuron Injury and Acetohydroxyacid Synthase Activity. <i>Weed Science</i> , <b>1985</b> , 33, 462-468	2	25
58	Novel photoreactions of an insecticidal nitromethylene heterocycle. <i>Journal of Agricultural and Food Chemistry</i> , <b>1985</b> , 33, 998-1000	5.7	17
57	The calcium-ryanodine receptor complex of skeletal and cardiac muscle. <i>Biochemical and Biophysical Research Communications</i> , <b>1985</b> , 128, 449-56	3.4	271
56	Profenofos insecticide bioactivation in relation to antidote action and the stereospecificity of acetylcholinesterase inhibition, reactivation, and aging. <i>Toxicology and Applied Pharmacology</i> , <b>1984</b> , 73, 16-22	4.6	28
55	9, 21-Didehydroryanodine: a new principal toxic constituent of the botanical insecticide Ryania. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1984</b> , 1265		35
54	Dinitroanilines as photostabilizers for pyrethroids. <i>Journal of Agricultural and Food Chemistry</i> , <b>1984</b> , 32, 246-250	5.7	6
53	Interactions of lindane, toxaphene and cyclodienes with brain-specific t-butylbicyclophosphorothionate receptor. <i>Life Sciences</i> , <b>1984</b> , 35, 171-8	6.8	167
52	Synthetic pyrethroids: Toxicity and synergism on dietary exposure of <i>Tribolium castaneum</i> (Herbst) larvae. <i>Pest Management Science</i> , <b>1983</b> , 14, 367-372		20
51	Oxime ether pyrethroids and hydroxylamine ether propyrenehroids: photochemistry, biological activity, and metabolism. <i>Journal of Agricultural and Food Chemistry</i> , <b>1983</b> , 31, 1091-1096	5.7	15
50	Acifluorfen increases the leaf content of phytoalexins and stress metabolites in several crops. <i>Journal of Agricultural and Food Chemistry</i> , <b>1983</b> , 31, 751-755	5.7	48
49	Pyrethroid toxicology in the frog. <i>Pesticide Biochemistry and Physiology</i> , <b>1983</b> , 20, 217-224	4.9	34
48	Dichloroacetamide herbicide antidotes enhance sulfate metabolism in corn roots. <i>Pesticide Biochemistry and Physiology</i> , <b>1983</b> , 19, 350-360	4.9	26
47	Reaction of Proposed Phosphorothiolate S-Oxide Intermediates with Alcohols. <i>Phosphorous and Sulfur and the Related Elements</i> , <b>1983</b> , 18, 209-212		12
46	Diphenyl ether herbicides: Effects of acifluorfen on phenylpropanoid biosynthesis and phenylalanine ammonia-lyase activity in spinach. <i>Pesticide Biochemistry and Physiology</i> , <b>1982</b> , 18, 191-196	4.9	16
45	Pyrethroid photochemistry: photooxidation reactions of the chrysanthemates phenothrin and tetramethrin. <i>Journal of Agricultural and Food Chemistry</i> , <b>1982</b> , 30, 110-115	5.7	18

44	Peracid-mediated -oxidation and rearrangement of dimethylphosphoramides: plausible model for oxidative bioactivation of the carcinogen hexamethylphosphoramide (HMPA). <i>Tetrahedron Letters</i> , <b>1982</b> , 23, 5107-5110	2	12
43	Toxicological Significance of Oxidation and Rearrangement Reactions of S-Chloroallyl Thio- and Dithiocarbamate Herbicides. <i>ACS Symposium Series</i> , <b>1981</b> , 65-82	0.4	6
42	Pyrethroid Esterase(s) May Contribute to Natural Pyrethroid Tolerance of Larvae of the Common Green Lacewing 1. <i>Environmental Entomology</i> , <b>1981</b> , 10, 681-684	2.1	76
41	Metabolism of the cis- and trans-isomers of cypermethrin in mice. <i>Pest Management Science</i> , <b>1981</b> , 12, 385-398		35
40	Metabolic chemistry of pyrethroid insecticides. <i>Pest Management Science</i> , <b>1980</b> , 11, 257-269		79
39	Hill Reaction Inhibitors Formed on Oxidative Metabolism of Phenylurea Herbicides. <i>Journal of Pesticide Sciences</i> , <b>1980</b> , 5, 267-270	2.7	6
38	Structure--toxicity relationships of 1-substituted-4-alkyl-2,6,7-trioxabicyclo[2.2.2]octanes. <i>Toxicology and Applied Pharmacology</i> , <b>1979</b> , 47, 287-93	4.6	58
37	Bioorganotin Chemistry: Stereo- and Site-selectivity in the Monooxygenase Enzyme Reactions of Cyclohexyltin Compounds. <i>ACS Symposium Series</i> , <b>1979</b> , 82-93	0.4	3
36	Relation of yolk sac membrane kynurenine formamidase inhibition to certain teratogenic effects of organophosphorus insecticides and of carbaryl and eserine in chicken embryos. <i>Biochemical Pharmacology</i> , <b>1978</b> , 27, 2611-5	6	46
35	Species-Specificity in Enzymatic Oxidation of Pyrethroid Insecticides. <i>Journal of Pesticide Sciences</i> , <b>1978</b> , 3, 165-168	2.7	12
34	HERBICIDE ANTIDOTES: PROGRESS AND PROSPECTS <b>1978</b> , 161-164		1
33	Photochemical Reactions of Pyrethroid Insecticides. <i>ACS Symposium Series</i> , <b>1977</b> , 137-146	0.4	10
32	Toxaphene components and related compounds: preparation and toxicity of some hepta-, octa-, and nonachlorobornanes, hexa- and heptachlorobornenes, and a hexachlorobornadiene. <i>Journal of Agricultural and Food Chemistry</i> , <b>1977</b> , 25, 1394-1401	5.7	47
31	Effects of pyrethroid structure on rates of hydrolysis and oxidation by mouse liver microsomal enzymes. <i>Pesticide Biochemistry and Physiology</i> , <b>1977</b> , 7, 391-401	4.9	88
30	Permethrin Metabolism in Rats and Cows and in Bean and Cotton Plants. <i>ACS Symposium Series</i> , <b>1977</b> , 186-193	0.4	3
29	Radiosynthesis and metabolism in rats of the 1R isomers of the insecticide permethrin. <i>Journal of Agricultural and Food Chemistry</i> , <b>1976</b> , 24, 270-6	5.7	43
28	Chicken embryo NAD levels lowered by teratogenic organophosphorus and methylcarbamate insecticides. <i>Biochemical Pharmacology</i> , <b>1976</b> , 25, 757-62	6	42
27	Dichloroacetamide antidotes enhance thiocarbamate sulfoxide detoxification by elevating corn root glutathione content and glutathione S-transferase activity. <i>Pesticide Biochemistry and Physiology</i> , <b>1976</b> , 6, 442-456	4.9	140

26	Structure-toxicity relationships of 2,6,7-trioxabicyclo(2.2.2)octanes and related compounds. <i>Toxicology and Applied Pharmacology</i> , <b>1976</b> , 36, 261-79	4.6	86
25	Significance of branched bridge-head substituent in toxicity of bicyclic phosphate esters.. <i>Agricultural and Biological Chemistry</i> , <b>1976</b> , 40, 2113-2115		19
24	Bioorganotin Chemistry: Biological Oxidation of Organotin Compounds. <i>Advances in Chemistry Series</i> , <b>1976</b> , 197-203		12
23	Significance of Branched Bridge-head Substituent in Toxicity of Bicyclic Phosphate Esters. <i>Agricultural and Biological Chemistry</i> , <b>1976</b> , 40, 2113-2115		8
22	Structure-biodegradability relationships in pyrethroid insecticides. <i>Archives of Environmental Contamination and Toxicology</i> , <b>1975</b> , 3, 491-500	3.2	48
21	Chemical Ionization Mass Spectrometry of N-Methylcarbamate Insecticides, Some of Their Metabolites, and Related Compounds. <i>Journal of the Association of Official Analytical Chemists</i> , <b>1975</b> , 58, 541-547		3
20	Toxaphene toxicant A. Mixture of 2,25-endo,6-exo,8,8,9,10-octachlorobornane and 2,2,5-endo,6-exo,8,9,9,10-octachlorobornane. <i>Journal of Agricultural and Food Chemistry</i> , <b>1975</b> , 23, 991-4	5.7	48
19	Detection and analysis of epoxides with 4-(p-Nitrobenzyl)-pyridine. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>1974</b> , 12, 759-64	2.7	59
18	Insect pyrethroid-hydrolyzing esterases. <i>Pesticide Biochemistry and Physiology</i> , <b>1974</b> , 4, 465-472	4.9	77
17	Chemical Ionization Mass Spectrometry of Organophosphorus Insecticides. <i>Journal of the Association of Official Analytical Chemists</i> , <b>1974</b> , 57, 1050-1055		4
16	Chemical and Biological O-Demethylation of Rotenone Derivatives. <i>Agricultural and Biological Chemistry</i> , <b>1973</b> , 37, 1937-1944		11
15	Optically pure pyrethroids labeled with deuterium and tritium in the methylcyclopentenonyl ring. <i>Journal of Agricultural and Food Chemistry</i> , <b>1972</b> , 20, 295-299	5.7	15
14	Metabolic fate of pyrethrin I, Pyrethrin II, and allethrin administered orally to rats. <i>Journal of Agricultural and Food Chemistry</i> , <b>1972</b> , 20, 300-13	5.7	62
13	Rotenone photodecomposition. <i>Journal of Agricultural and Food Chemistry</i> , <b>1972</b> , 20, 850-856	5.7	52
12	Novel photoproducts of heptachlor epoxide, trans-chlordane, and trans-nonachlor. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>1972</b> , 7, 376-82	2.7	19
11	Photosensitizers for the accelerated degradation of chlorinated cyclodienes and other insecticide chemicals exposed to sunlight on bean leaves. <i>Journal of Agricultural and Food Chemistry</i> , <b>1971</b> , 19, 410-416	5.7	35
10	Response of hepatic microsomal mixed-function oxidases to various types of insecticide chemical synergists administered to mice. <i>Biochemical Pharmacology</i> , <b>1971</b> , 20, 1607-18	6	65
9	Mixed-function oxidase involvement in the biochemistry of insecticide synergists. <i>Journal of Agricultural and Food Chemistry</i> , <b>1970</b> , 18, 753-72	5.7	294

8	Oxidative metabolism of pyrethroids in houseflies. <i>Journal of Agricultural and Food Chemistry</i> , <b>1969</b> , 17, 1227-1236	5.7	62
7	Synthesis and insecticidal activity of some pyrethroid-like compounds including ones lacking cyclopropane or ester groupings. <i>Journal of Agricultural and Food Chemistry</i> , <b>1969</b> , 17, 931-8	5.7	11
6	Photodecomposition of pyrethrin I, allethrin, phthalthrin, and dimethrin. Modifications in the acid moiety. <i>Journal of Agricultural and Food Chemistry</i> , <b>1969</b> , 17, 208-215	5.7	43
5	Uncoupling action of 2,4-dinitrophenols, 2-trifluoromethylbenzimidazoles and certain other pesticide chemicals upon mitochondria from different sources and its relation to toxicity. <i>Biochemical Pharmacology</i> , <b>1969</b> , 18, 1389-401	6	55
4	HOUSE FLY ADENOSINE TRIPHOSPHATASES AND THEIR INHIBITION BY INSECTICIDAL ORGANOTIN COMPOUNDS. <i>Journal of Economic Entomology</i> , <b>1965</b> , 58, 392-400	2.2	17
3	Potentiation and neurotoxicity induced by certain organophosphates. <i>Biochemical Pharmacology</i> , <b>1963</b> , 12, 73-83	6	98
2	Toxic hazard from formulating the insecticide dimethoate in methyl 'Cellosolve'. <i>Nature</i> , <b>1961</b> , 189, 507-8	50.4	14
1	Biological activity of a trio-cresyl phosphate metabolite. <i>Nature</i> , <b>1961</b> , 191, 1396-7	50.4	127