

John M Rimoldi

List of Publications by Year in descending order

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81
papers

2,185
citations

186265

28
h-index

243625

44
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84
all docs

84
docs citations

84
times ranked

2621
citing authors

#	ARTICLE	IF	CITATIONS
1	Protective Effect of Carbon Monoxide-Releasing Compounds in Ischemia-Induced Acute Renal Failure. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 950-958.	6.1	129
2	Toxicity of Fipronil and Its Degradation Products to <i>Procambarus</i> sp.: Field and Laboratory Studies. <i>Archives of Environmental Contamination and Toxicology</i> , 2001, 41, 325-332.	4.1	126
3	Unexpectedly Facile Hydrolysis of the 2-Benzoate Group of Taxol and Syntheses of Analogs with Increased Activities. <i>Journal of the American Chemical Society</i> , 1994, 116, 4097-4098.	13.7	107
4	The Structure-Function Relationships of Classical Cannabinoids: CB1/CB2 Modulation. <i>Perspectives in Medicinal Chemistry</i> , 2016, 8, PMC.S32171.	4.6	91
5	Synthesis and Biological Evaluation of 2-Acyl Analogues of Paclitaxel (Taxol). <i>Journal of Medicinal Chemistry</i> , 1998, 41, 3715-3726.	6.4	74
6	Modified taxols. 10. Preparation of 7-deoxytaxol, a highly bioactive taxol derivative, and interconversion of taxol and 7-epi-taxol. <i>Journal of Organic Chemistry</i> , 1993, 58, 3798-3799.	3.2	70
7	Potential Metabolic Bioactivation Pathways Involving Cyclic Tertiary Amines and Azaarenes. <i>Chemical Research in Toxicology</i> , 1997, 10, 924-940.	3.3	69
8	Renal vascular responses to CORM-A1 in the mouse. <i>Pharmacological Research</i> , 2006, 54, 24-29.	7.1	66
9	Natural and synthetic substances related to human health (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2002, 74, 1957-1985.	1.9	60
10	Anticancer Activity of Natural and Synthetic Capsaicin Analogs. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 364, 462-473.	2.5	57
11	Anti-Cryptococcal and Nitric Oxide Synthase Inhibitory Imidazole Alkaloids from the Calcareous Sponge <i>Leucetta cf chagosensis</i> . <i>Tetrahedron</i> , 2000, 56, 8795-8798.	1.9	55
12	Generation of Oxamic Acid Libraries: Antimalarials and Inhibitors of Plasmodium falciparum Lactate Dehydrogenase. <i>ACS Combinatorial Science</i> , 2007, 9, 292-300.	3.3	54
13	Marine Proteomics: A Critical Assessment of an Emerging Technology. <i>Journal of Natural Products</i> , 2012, 75, 1833-1877.	3.0	50
14	Carbon monoxide donors or heme oxygenase-1 (HO-1) overexpression blocks interleukin-18-mediated NF- κ B-PTEN-dependent human cardiac endothelial cell death. <i>Free Radical Biology and Medicine</i> , 2008, 44, 284-298.	2.9	49
15	In vitro and in vivo studies on stilbene analogs as potential treatment agents for colon cancer. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 3702-3708.	5.5	48
16	Stereoselective Biotransformation of Permethrin to Estrogenic Metabolites in Fish. <i>Chemical Research in Toxicology</i> , 2010, 23, 1568-1575.	3.3	46
17	Transcorneal Permeation of l- and d-Aspartate Ester Prodrugs of Acyclovir: Delineation of Passive Diffusion Versus Transporter Involvement. <i>Pharmaceutical Research</i> , 2009, 26, 1261-1269.	3.5	43
18	A convenient tubulin-based quantitative assay for paclitaxel (Taxol) derivatives more effective in inducing assembly than the parent compound. <i>Cancer Chemotherapy and Pharmacology</i> , 1996, 38, 136-140.	2.3	42

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19	Highly selective hydrolysis of kinins by recombinant prolylcarboxypeptidase. <i>Biochemical and Biophysical Research Communications</i> , 2011, 405, 338-343.	2.1	41
20	Scalarane Sesterterpenoids: Semisynthesis and Biological Activity. <i>Journal of Natural Products</i> , 2009, 72, 1492-1496.	3.0	40
21	Synthesis and biological evaluation of 4-deacetylpaclitaxel. <i>Tetrahedron Letters</i> , 1994, 35, 6839-6842.	1.4	38
22	Application of nitric oxide and carbon monoxide in a model of renal preservation. <i>British Journal of Surgery</i> , 2008, 95, 1060-1067.	0.3	38
23	Modified Taxols, 9. Synthesis and Biological Evaluation of 7-Substituted Photoaffinity Analogues of Taxol. <i>Journal of Natural Products</i> , 1993, 56, 1313-1330.	3.0	37
24	Mechanisms of fenthion activation in rainbow trout (<i>Oncorhynchus mykiss</i>) acclimated to hypersaline environments. <i>Toxicology and Applied Pharmacology</i> , 2009, 235, 143-152.	2.8	36
25	Differential Effects of Paclitaxel (Taxol) Analogs Modified at Positions C-2, C-7, and C-3' on Tubulin Polymerization and Polymer Stabilization: Identification of a Hyperactive Paclitaxel Derivative. <i>Biochemistry</i> , 1995, 34, 3927-3934.	2.5	33
26	Synthesis of Fenthion Sulfoxide and Fenoxon Sulfoxide Enantiomers: Effect of Sulfur Chirality on Acetylcholinesterase Activity. <i>Chemical Research in Toxicology</i> , 2007, 20, 257-262.	3.3	30
27	Metabolic Studies on Haloperidol and Its Tetrahydropyridine Analog in C57BL/6 Mice. <i>Chemical Research in Toxicology</i> , 1994, 7, 281-285.	3.3	29
28	Probing the Mechanism of Bioactivation of MPTP Type Analogs by Monoamine Oxidase B: Structure-Activity Studies on Substituted 4-Phenoxy-, 4-Phenyl-, and 4-Thiophenoxy-1-cyclopropyl-1,2,3,6-tetrahydropyridines. <i>Chemical Research in Toxicology</i> , 1995, 8, 703-710.	3.3	29
29	Synthesis and Monoamine Oxidase B Catalyzed Oxidation of C-4 Heteroaromatic Substituted 1,2,3,6-Tetrahydropyridine Derivatives. <i>Chemical Research in Toxicology</i> , 1996, 9, 1013-1022.	3.3	29
30	Synthesis and in vitro biological evaluation of fluoro-substituted-4-phenyl-1,2,3,6-tetrahydropyridines as monoamine oxidase B substrates. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 5229-5234.	3.0	29
31	Heme oxygenase attenuates angiotensin II-mediated superoxide production in cultured mouse thick ascending loop of Henle cells. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, F1158-F1165.	2.7	28
32	Biotransformation and estrogenic activity of Methoxychlor and its metabolites in channel catfish (<i>Ictalurus punctatus</i>). <i>Marine Environmental Research</i> , 1998, 46, 159-162.	2.5	26
33	Heme Oxygenase-1 Induction Does Not Improve Vascular Relaxation in Angiotensin II Hypertensive Mice. <i>American Journal of Hypertension</i> , 2008, 21, 189-193.	2.0	26
34	Microsomal estrogen metabolism in channel catfish. <i>Marine Environmental Research</i> , 2004, 58, 489-494.	2.5	25
35	Adaptation of a corticosterone ELISA to demonstrate sequence-specific effects of angiotensin II peptides and C-type natriuretic peptide on 11 β -hydroxycorticosterone synthesis and steroidogenic mRNAs in the elasmobranch interrenal gland. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010, 120, 149-154.	2.5	25
36	Inactivation of the Cytotoxic Activity of Repin, a Sesquiterpene Lactone from <i>Centaurea repens</i> . <i>Chemical Research in Toxicology</i> , 2004, 17, 1170-1176.	3.3	24

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37	Characterization of the Role of Glutathione in Repin-Induced Mitochondrial Dysfunction, Oxidative Stress and Dopaminergic Neurotoxicity in Rat Pheochromocytoma (PC12) Cells. <i>NeuroToxicology</i> , 2004, 25, 989-999.	3.0	23
38	Monoamine oxidase A and B substrates: probing the pathway for drug development. <i>Future Medicinal Chemistry</i> , 2014, 6, 697-717.	2.3	21
39	Synthesis of fipronil sulfide, an active metabolite, from the parent insecticide fipronil. <i>Tetrahedron Letters</i> , 2001, 42, 5371-5372.	1.4	20
40	Antidepressant efficacy screening of novel targets in the chick anxiety-depression model. <i>Behavioural Pharmacology</i> , 2009, 20, 146-154.	1.7	20
41	Evaluation of the stereoselective biotransformation of permethrin in human liver microsomes: Contributions of cytochrome P450 monooxygenases to the formation of estrogenic metabolites. <i>Toxicology Letters</i> , 2014, 226, 192-197.	0.8	20
42	Impacts of hypersaline water on the biotransformation and toxicity of fenthion on rainbow trout (<i>Oncorhynchus mykiss</i>), striped bass (<i>Morone saxatilis</i> X <i>Morone chrysops</i>) and tilapia (<i>Oreochromis</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22</i>		
43	Carbon Monoxide (CO) Protects Renal Tubular Epithelial Cells against Cold-Rewarm Apoptosis. <i>Renal Failure</i> , 2007, 29, 543-548.	2.1	16
44	Brain AT ₁ Angiotensin Receptor Subtype Binding: Importance of Peptidase Inhibition for Identification of Angiotensin II as Its Endogenous Ligand. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 331, 170-177.	2.5	16
45	Carbon Monoxide Releasing Molecules Blunt Placental Ischemia-Induced Hypertension. <i>American Journal of Hypertension</i> , 2017, 30, 931-937.	2.0	16
46	Heme oxygenase-1 is a potent inhibitor of placental ischemia-mediated endothelin-1 production in cultured human glomerular endothelial cells. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 314, R427-R432.	1.8	16
47	Novel Disinfection Byproducts Formed from the Pharmaceutical Gemfibrozil Are Bioaccumulative and Elicit Increased Toxicity Relative to the Parent Compound in Marine Polychaetes (<i>Neanthes</i>) <i>Tj ETQq1 1 0.7843 14 rgBT /Overlock 10</i>		
48	The functional importance of the N-terminal region of human prolylcarboxypeptidase. <i>Biochemical and Biophysical Research Communications</i> , 2008, 374, 635-640.	2.1	14
49	Structure-Based Identification of Potent Natural Product Chemotypes as Cannabinoid Receptor 1 Inverse Agonists. <i>Molecules</i> , 2018, 23, 2630.	3.8	14
50	Stage Dependent Enantioselective Metabolism of Bifenthrin in Embryos of Zebrafish (<i>Danio</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22</i>	10.0	14
51	A novel and selective monoamine oxidase B substrate. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 5808-5813.	3.0	12
52	Influence of a Novel Inhibitor (UM8190) of Prolylcarboxypeptidase (PRCP) on Appetite and Thrombosis. <i>Current Medicinal Chemistry</i> , 2012, 19, 4194-4206.	2.4	12
53	Challenges, pitfalls and surprises: development and validation of a monoclonal antibody for enzyme immunoassay of the steroid 11 β -hydroxycorticosterone in elasmobranch species. <i>General and Comparative Endocrinology</i> , 2018, 265, 83-89.	1.8	12
54	An Improved Method for the Separation of Paclitaxel and Cephalomannine. <i>Journal of Natural Products</i> , 1996, 59, 167-168.	3.0	11

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55	Synthesis of Substituted Phenyl Diaziridines and Characterization as Mechanism-Based Inactivators of Human Cytochrome P450 2B6. <i>Drug Metabolism and Disposition</i> , 2006, 34, 1849-1855.	3.3	11
56	Effect of the dietary brominated phenol, lanasol, on chemical biotransformation enzymes in the gumbot chiton <i>Cryptochiton stelleri</i> (Middendorf, 1846). <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 2000, 127, 133-142.	0.5	9
57	In vivo inhibition of renal heme oxygenase with an imidazole-dioxolane inhibitor. <i>Pharmacological Research</i> , 2010, 61, 525-530.	7.1	9
58	Regioselective deuterium labeling of 1,4-disubstituted-1,2,3,6-tetrahydropyridines. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1997, 39, 409-423.	1.0	7
59	Nonpungent N-AVAM Capsaicin Analogues and Cancer Therapy. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 1346-1361.	6.4	7
60	Biochemical Mechanisms for Geographical Adaptations to Novel Toxin Exposures in Butterflyfish. <i>PLoS ONE</i> , 2016, 11, e0154208.	2.5	7
61	Stereochemical studies on the novel monoamine oxidase B substrates (1R,6S)- and (1S,6R)-3-methyl-6-phenyl-3-aza-bicyclo[4.1.0]heptane. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 3557-3564.	3.0	6
62	Self-Organized Amphiphiles Are Poor Hydroxyl Radical Scavengers in Fast Photochemical Oxidation of Proteins Experiments. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1155-1161.	2.8	6
63	Structure-Activity Relationships of the Antimalarial Agent Artemisinin 10. Synthesis and Antimalarial Activity of Enantiomers of rac-5 ¹² -Hydroxy-d-Secoartemisinin and Analogs: Implications Regarding the Mechanism of Action. <i>Molecules</i> , 2021, 26, 4163.	3.8	6
64	Computationally Assisted Lead Optimization of Novel Potent and Selective MAO-B Inhibitors. <i>Biomedicines</i> , 2021, 9, 1304.	3.2	5
65	Structure-Activity Relationship and Elucidation of the Determinant Factor(s) Responsible for the Mechanism-Based Inactivation of Cytochrome P450 2B6 by Substituted Phenyl Diaziridines. <i>Drug Metabolism and Disposition</i> , 2006, 34, 2102-2110.	3.3	4
66	Effect of a 3-phenyl substituent on the acidity of bicyclo[3.2.1]octa-2,6-diene. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 237.	2.0	3
67	Discovery and Development of Prolylcarboxypeptidase Inhibitors for Cardiometabolic Disorders. <i>Annual Reports in Medicinal Chemistry</i> , 2013, 48, 91-103.	0.9	3
68	Identification of an Orally Bioavailable, Brain-Penetrant Compound with Selectivity for the Cannabinoid Type 2 Receptor. <i>Molecules</i> , 2022, 27, 509.	3.8	3
69	(+)-6-Benzyl-17-oxosparteine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003, 59, o1832-o1834.	0.2	2
70	Preservation of 125 ^{125I} -Angiotensin II in brain AT ₁ receptor binding assays. <i>FASEB Journal</i> , 2007, 21, A432.	0.5	2
71	Anti-cancer activity of non-pungent capsaicin analogs: A Structure-Activity Study. <i>FASEB Journal</i> , 2018, 32, 407.1.	0.5	1
72	Antalarmin. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1650-o1651.	0.2	1

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73	Literature Retrieval and Interpretation: A Nontraditional Medicinal Chemistry Laboratory. Journal of Pharmacy Teaching, 1998, 6, 17-38.	0.2	1
74	Acetylcholine signaling pathway: A novel target for lung cancer in smokers. FASEB Journal, 2018, 32, 677.19.	0.5	1
75	1- β -Hydroxycorticosterone hemihydrate. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, o1525-o1527.	0.2	0
76	Non-pungent Capsaicin Analogs: Potential applications in lung cancer therapy. FASEB Journal, 2021, 35, .	0.5	0
77	Anti-tumor and Anti-angiogenic activity of the Choline Acetyltransferase Inhibitor BW813U, in Human Lung Adenocarcinoma. FASEB Journal, 2021, 35, .	0.5	0
78	Establishing Equilibrium in the Pretenure Years: A Chemist's Perspective in a School of Pharmacy. Journal of Pharmacy Teaching, 2002, 9, 9-17.	0.2	0
79	Inhibition of choline acetyltransferase activity abrogates the growth of lung adenocarcinoma patients who are exposed to tobacco smoke. FASEB Journal, 2018, 32, 677.18.	0.5	0
80	Non-pungent Capsaicin Analogs: Potential Applications in Lung Cancer Therapy. FASEB Journal, 2019, 33, 802.46.	0.5	0
81	Choline acetyltransferase: A novel molecular target in lung adenocarcinoma therapy. FASEB Journal, 2019, 33, 496.2.	0.5	0