Tristan Rawling

List of Publications by Year
in descending order

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49 papers	1,051 citations	430754 18 h-index	454834 30 g-index
52 all docs	52 docs citations	52 times ranked	1569 citing authors

#	Article	IF	Citations
1	Factors affecting internal standard selection for quantitative elemental bio-imaging of soft tissues by LA-ICP-MS. Journal of Analytical Atomic Spectrometry, 2011, 26, 1494.	1.6	93
2	Ruthenium phthalocyanine and naphthalocyanine complexes: Synthesis, properties and applications. Coordination Chemistry Reviews, 2007, 251, 1128-1157.	9.5	90
3	Quantification method for elemental bio-imaging by LA-ICP-MS using metal spiked PMMA films. Journal of Analytical Atomic Spectrometry, 2010, 25, 722.	1.6	75
4	Anti-tumor activities of lipids and lipid analogues and their development as potential anticancer drugs. , 2015, 150, 109-128.		61
5	Selective Inhibition of Human Solute Carrier Transporters by Multikinase Inhibitors. Drug Metabolism and Disposition, 2014, 42, 1851-1857.	1.7	55
6	Ruthenium Phthalocyanine-Bipyridyl Dyads as Sensitizers for Dye-Sensitized Solar Cells: Dye Coverage versus Molecular Efficiency. Inorganic Chemistry, 2009, 48, 3215-3227.	1.9	54
7	Role of human CYP3A4 in the biotransformation of sorafenib to its major oxidized metabolites. Biochemical Pharmacology, 2012, 84, 215-223.	2.0	50
8	Optical and Redox Properties of Ruthenium Phthalocyanine Complexes Tuned with Axial Ligand Substituents. Inorganic Chemistry, 2007, 46, 2805-2813.	1.9	46
9	Cell-Derived Microparticles: New Targets in the Therapeutic Management of Disease. Journal of Pharmacy and Pharmaceutical Sciences, 2013, 16, 238.	0.9	41
10	Synthetic Ï‰-3 Epoxyfatty Acids As Antiproliferative and Pro-apoptotic Agents in Human Breast Cancer Cells. Journal of Medicinal Chemistry, 2014, 57, 7459-7464.	2.9	33
11	Synthesis and Characterization of Novel Acyl-Glycine Inhibitors of GlyT2. ACS Chemical Neuroscience, 2017, 8, 1949-1959.	1.7	29
12	A novel synthetic analogue of Ï‰â€3 17,18â€epoxyeicosatetraenoic acid activates TNF receptorâ€1/ASK1/JNK signaling to promote apoptosis in human breast cancer cells. FASEB Journal, 2017, 31, 5246-5257.	0.2	29
13	Antiproliferative and Antimigratory Actions of Synthetic Long Chain n-3 Monounsaturated Fatty Acids in Breast Cancer Cells That Overexpress Cyclooxygenase-2. Journal of Medicinal Chemistry, 2012, 55, 7163-7172.	2.9	28
14	Development of an N-Acyl Amino Acid That Selectively Inhibits the Glycine Transporter 2 To Produce Analgesia in a Rat Model of Chronic Pain. Journal of Medicinal Chemistry, 2019, 62, 2466-2484.	2.9	28
15	Identification of an allosteric binding site on the human glycine transporter, GlyT2, for bioactive lipid analgesics. ELife, 2019, 8, .	2.8	26
16	<scp>l</scp>â€3,4â€dihydroxyphenylalanine (<scp>l</scp>â€DOPA) modulates brain iron, dopaminergic neurodegeneration and motor dysfunction in iron overload and mutant alphaâ€synuclein mouse models of Parkinson's disease. Journal of Neurochemistry, 2019, 150, 88-106.	2.1	24
17	Synthesis of unsymmetrical biaryl ureas from N-carbamoylimidazoles: kineticsÂand application. Tetrahedron, 2012, 68, 6065-6070.	1.0	23
18	Perylene dye photodegradation due to ketones and singlet oxygen. Dyes and Pigments, 2010, 84, 59-61.	2.0	22

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19	Cytochrome P450-Mediated Biotransformation of Sorafenib and Its N-Oxide Metabolite: Implications for Cell Viability and Human Toxicity. Chemical Research in Toxicology, 2015, 28, 92-102.	1.7	20
20	Nanoemulsion-Enabled Oral Delivery of Novel Anticancer Ï‰-3 Fatty Acid Derivatives. Nanomaterials, 2018, 8, 825.	1.9	20
21	A Novel Arylurea Fatty Acid That Targets the Mitochondrion and Depletes Cardiolipin To Promote Killing of Breast Cancer Cells. Journal of Medicinal Chemistry, 2017, 60, 8661-8666.	2.9	17
22	Synthesis, electrochemistry and spectroscopic properties of ruthenium phthalocyanine and naphthalocyanine complexes with triphenylarsine ligands. Inorganica Chimica Acta, 2008, 361, 49-55.	1.2	15
23	Aryl urea substituted fatty acids: a new class of protonophoric mitochondrial uncoupler that utilises a synthetic anion transporter. Chemical Science, 2020, 11, 12677-12685.	3.7	14
24	Convenient Synthesis and Purification of [Bu4N]2[Ru(4-carboxy-4-carboxylate-2,2â€²-bipyridine)2(NCS)2]: a Landmark DSC Dye. Australian Journal of Chemistry, 2008, 61, 405.	0.5	12
25	Lipid analogues as potential drugs for the regulation of mitochondrial cell death. British Journal of Pharmacology, 2014, 171, 2051-2066.	2.7	12
26	Activity of novel lipid glycine transporter inhibitors on synaptic signalling in the dorsal horn of the spinal cord. British Journal of Pharmacology, 2018, 175, 2337-2347.	2.7	11
27	Mitochondrial uncoupler SHC517 reverses obesity in mice without affecting food intake. Metabolism: Clinical and Experimental, 2021, 117, 154724.	1.5	11
28	Differential effects of hepatic cirrhosis on the intrinsic clearances of sorafenib and imatinib by CYPs in human liver. European Journal of Pharmaceutical Sciences, 2018, 114, 55-63.	1.9	10
29	Sorafenib N-Oxide Is an Inhibitor of Human Hepatic CYP3A4. AAPS Journal, 2019, 21, 15.	2.2	10
30	Thin films of ruthenium phthalocyanine complexes. Nano Research, 2009, 2, 678-687.	5.8	8
31	Photoswitchable ORG25543 Congener Enables Optical Control of Glycine Transporter 2. ACS Chemical Neuroscience, 2020, 11, 1250-1258.	1.7	8
32	Identification of N-acyl amino acids that are positive allosteric modulators of glycine receptors. Biochemical Pharmacology, 2020, 180, 114117.	2.0	8
33	The allosteric inhibition of glycine transporter 2 by bioactive lipid analgesics is controlled by penetration into a deep lipid cavity. Journal of Biological Chemistry, 2021, 296, 100282.	1.6	7
34	Facile and Stereoselective Synthesis of (Z)-15-Octadecenoic Acid and (Z)-16-Nonadecenoic Acid: Monounsaturated Omega-3 Fatty Acids. Lipids, 2010, 45, 159-165.	0.7	6
35	A System for Assessing Dual Action Modulators of Glycine Transporters and Glycine Receptors. Biomolecules, 2020, 10, 1618.	1.8	6
36	Anti-proliferative actions of Nâ€²-desmethylsorafenib in human breast cancer cells. Biochemical Pharmacology, 2013, 86, 419-427.	2.0	5

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37	Antiproliferative activities of alkaloid-like compounds. MedChemComm, 2017, 8, 2105-2114.	3.5	5
38	Aryl-urea fatty acids that activate the p38 MAP kinase and down-regulate multiple cyclins decrease the viability of MDA-MB-231 breast cancer cells. European Journal of Pharmaceutical Sciences, 2019, 129, 87-98.	1.9	5
39	Expansion of the structure-activity relationship of branched chain fatty acids: Effect of unsaturation and branching group size on anticancer activity. Chemistry and Physics of Lipids, 2020, 232, 104952.	1.5	5
40	Omega-3 Polyunsaturated Fatty Acid Derived Lipid Mediators and their Application in Drug Discovery. Current Medicinal Chemistry, 2020, 27, 1670-1689.	1.2	5
41	The aryl-ureido fatty acid CTU activates endoplasmic reticulum stress and PERK/NOXA-mediated apoptosis in tumor cells by a dual mitochondrial-targeting mechanism. Cancer Letters, 2022, 526, 131-141.	3.2	5
42	Carboxylate Analogues of Arylâ€Ureaâ€Substituted Fatty Acids That Target the Mitochondria in MDAâ€MBâ€231 Breast Cancer Cells to Promote Cell Death. ChemMedChem, 2018, 13, 1036-1043.	1.6	4
43	Antiproliferative activities of tricyclic amides derived from Î²-caryophyllene via the Ritter reaction against MDA-MB-231 breast cancer cells. RSC Medicinal Chemistry, 2020, 11, 118-124.	1.7	4
44	Differential inhibition of human CYP2C8 and molecular docking interactions elicited by sorafenib and its major N-oxide metabolite. Chemico-Biological Interactions, 2021, 338, 109401.	1.7	4
45	Inhibition of Hepatic CYP2D6 by the Active N-Oxide Metabolite of Sorafenib. AAPS Journal, 2019, 21, 107.	2.2	2
46	Carbon Chain Length Modulates MDAâ€MBâ€231 Breast Cancer Cell Killing Mechanisms by Mitochondrially Targeted Arylâ^'Urea Fatty Acids. ChemMedChem, 2020, 15, 247-255.	1.6	2
47	Thin films of a dimeric ruthenium phthalocyanine complex on gold. Inorganic Chemistry Communication, 2010, 13, 208-210.	1.8	1
48	Liquid Chromatography-Tandem Mass Spectrometry Assay Suitable for Quantifying Omega-3 Epoxy-Fatty Acid Analogs in Mouse Brain and Plasma. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 891-897.	0.5	1
49	PTU, a novel ureido-fatty acid, inhibits MDA-MB-231 cell invasion and dissemination by modulating Wnt5a secretion and cytoskeletal signaling. Biochemical Pharmacology, 2021, 192, 114726.	2.0	0