William J Welsh

List of Publications by Year
in descending order

21 papers	708 citations	759233 12 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	1107 citing authors

#	Article	IF	Citations
1	QSAR-Based Computational Approaches to Accelerate the Discovery of Sigma-2 Receptor (S2R) Ligands as Therapeutic Drugs. Molecules, 2021, 26, 5270.	3.8	3
2	Novel Sigma 1 Receptor Antagonists as Potential Therapeutics for Pain Management. Journal of Medicinal Chemistry, 2021, 64, 890-904.	6.4	9
3	Comprehensive 3D-QSAR Model Predicts Binding Affinity of Structurally Diverse Sigma 1 Receptor Ligands. Journal of Chemical Information and Modeling, 2019, 59, 486-497.	5.4	12
4	Virtual Screening and Experimental Testing of B1 Metallo-Î²-lactamase Inhibitors. Journal of Chemical Information and Modeling, 2018, 58, 1902-1914.	5.4	26
5	High dimensional model representation constructed by support vector regression. I. Independent variables with known probability distributions. Journal of Mathematical Chemistry, 2017, 55, 278-303.	1.5	10
6	Niclosamide is a Negative Allosteric Modulator of Group I Metabotropic Glutamate Receptors: Implications for Neuropathic Pain. Pharmaceutical Research, 2016, 33, 3044-3056.	3.5	11
7	Micellar and structural stability of nanoscale amphiphilic polymers: Implications for anti-atherosclerotic bioactivity. Biomaterials, 2016, 84, 230-240.	11.4	74
8	Stepping into the omics era: Opportunities and challenges for biomaterials science and engineering. Acta Biomaterialia, 2016, 34, 133-142.	8.3	88
9	Phaseâ€Transition Microneedle Patches for Efficient and Accurate Transdermal Delivery of Insulin. Advanced Functional Materials, 2015, 25, 4633-4641.	14.9	106
10	A Novel High-Throughput Approach to Measure Hydroxyl Radicals Induced by Airborne Particulate Matter. International Journal of Environmental Research and Public Health, 2015, 12, 13678-13695.	2.6	28
11	Avalanche for shape and feature-based virtual screening with 3D alignment. Journal of Computer-Aided Molecular Design, 2015, 29, 1015-1024.	2.9	9
12	Polyester monomers lack ability to bind and activate both androgenic and estrogenic receptors as determined by In Vitro and In Silico methods. Food and Chemical Toxicology, 2015, 75, 128-138.	3.6	4
13	Experimental Design of Formulations Utilizing High Dimensional Model Representation. Journal of Physical Chemistry A, 2015, 119, 8237-8249.	2.5	8
14	Tartaric acid-based amphiphilic macromolecules with ether linkages exhibit enhanced repression of oxidized low density lipoprotein uptake. Biomaterials, 2015, 53, 32-39.	11.4	42
15	Elucidating the Role of Residue 67 in IMP-Type Metallo-Î²-Lactamase Evolution. Antimicrobial Agents and Chemotherapy, 2015, 59, 7299-7307.	3.2	19
16	Novel Virtual Screening Approach for the Discovery of Human Tyrosinase Inhibitors. PLoS ONE, 2014, 9, e112788.	2.5	23
17	Evolving Carbapenemases: Can Medicinal Chemists Advance One Step Ahead of the Coming Storm?. Journal of Medicinal Chemistry, 2010, 53, 3013-3027.	6.4	55
18	Novel delta opioid receptor agonists exhibit differential stimulation of signaling pathways. Bioorganic and Medicinal Chemistry, 2009, 17, 6442-6450.	3.0	14

#	Article	IF	Citations
19	3D-QSAR comparative molecular field analysis on delta opioid receptor agonist SNC80 and its analogs. Journal of Molecular Graphics and Modelling, 2005, 24, 25-33.	2.4	9
20	3D-QSAR Comparative Molecular Field Analysis on Opioid Receptor Antagonists:Â Pooling Data from Different Studies. Journal of Medicinal Chemistry, 2005, 48, 1620-1629.	6.4	36
21	Shape Signatures:â€‰ A New Approach to Computer-Aided Ligand- and Receptor-Based Drug Design. Journal of Medicinal Chemistry, 2003, 46, 5674-5690.	6.4	122