Rachel Cavill

List of Publications by Year
in descending order

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25 papers	1,614 citations	567281 15 h-index	610901 24 g-index
29 all docs	29 docs citations	29 times ranked	3079 citing authors

#	Article	IF	Citations
1	PSnpBind: a database of mutated binding site proteinâ€“ligand complexes constructed using a multithreaded virtual screening workflow. Journal of Cheminformatics, 2022, 14, 8.	6.1	5
2	Assessment of a complete and classified platelet proteome from genome-wide transcripts of human platelets and megakaryocytes covering platelet functions. Scientific Reports, 2021, 11, 12358.	3.3	40
3	Exploring the influence of cytosolic and membrane FAK activation on YAP/TAZ nuclear translocation. Biophysical Journal, 2021, 120, 4360-4377.	0.5	4
4	Platelet-primed interactions of coagulation and anticoagulation pathways in flow-dependent thrombus formation. Scientific Reports, 2020, 10, 11910.	3.3	21
5	Use of deep learning methods to translate drug-induced gene expression changes from rat to human primary hepatocytes. PLoS ONE, 2020, 15, e0236392.	2.5	3
6	Role of Platelet Glycoprotein VI and Tyrosine Kinase Syk in Thrombus Formation on Collagen-Like Surfaces. International Journal of Molecular Sciences, 2019, 20, 2788.	4.1	28
7	High-throughput elucidation of thrombus formation reveals sources of platelet function variability. Haematologica, 2019, 104, 1256-1267.	3.5	70
8	Defined High Molar Mass Poly(2â€Oxazoline)s. Angewandte Chemie, 2018, 130, 15626-15630.	2.0	6
9	Defined High Molar Mass Poly(2â€Oxazoline)s. Angewandte Chemie - International Edition, 2018, 57, 15400-15404.	13.8	68
10	Heterogeneous Domain Adaptation for IHC Classification of Breast Cancer Subtypes. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 17, 1-1.	3.0	2
11	Cytotoxicity of polycations: Relationship of molecular weight and the hydrolytic theory of the mechanism of toxicity. International Journal of Pharmaceutics, 2017, 521, 249-258.	5.2	153
12	Transcriptomic and metabolomic data integration. Briefings in Bioinformatics, 2016, 17, 891-901.	6.5	207
13	Pattern recognition methods to relate time profiles of gene expression with phenotypic data: a comparative study. Bioinformatics, 2015, 31, 2115-2122.	4.1	6
14	Extensive temporal transcriptome and microRNA analyses identify molecular mechanisms underlying mitochondrial dysfunction induced by multi-walled carbon nanotubes in human lung cells. Nanotoxicology, 2015, 9, 624-635.	3.0	28
15	Identification of platelet function defects by multi-parameter assessment of thrombus formation. Nature Communications, 2014, 5, 4257.	12.8	191
16	Proteomic and metabolomic responses to connexin43 silencing in primary hepatocyte cultures. Archives of Toxicology, 2013, 87, 883-894.	4.2	12
17	A Combination of Transcriptomics and Metabolomics Uncovers Enhanced Bile Acid Biosynthesis in HepG2 Cells Expressing CCAAT/Enhancer-Binding Protein Î² (C/EBPÎ²), Hepatocyte Nuclear Factor 4Î± (HNF4Î±), and Constitutive Androstane Receptor (CAR). Journal of Proteome Research, 2013, 12, 2732-2741.	3.7	5
18	Delineation of the Key Aspects in the Regulation of Epithelial Monolayer Formation. Molecular and Cellular Biology, 2013, 33, 2535-2550.	2.3	71

#	Article	IF	Citations
19	DTW4Omics: Comparing Patterns in Biological Time Series. PLoS ONE, 2013, 8, e71823.	2.5	16
20	Metabolic response to low-level toxicant exposure in a novel renal tubuleepithelial cell system. Molecular BioSystems, 2011, 7, 247-257.	2.9	60
21	Consensus-Phenotype Integration of Transcriptomic and Metabolomic Data Implies a Role for Metabolism in the Chemosensitivity of Tumour Cells. PLoS Computational Biology, 2011, 7, e1001113.	3.2	83
22	Effect of the Histone Deacetylase Inhibitor Trichostatin A on the Metabolome of Cultured Primary Hepatocytes. Journal of Proteome Research, 2010, 9, 413-419.	3.7	12
23	A Combined Metabonomic and Transcriptomic Approach to Investigate Metabolism during Development in the Chick Chorioallantoic Membrane. Journal of Proteome Research, 2010, 9, 3126-3134.	3.7	15
24	Bioinformatic methods in NMR-based metabolic profiling. Progress in Nuclear Magnetic Resonance Spectroscopy, 2009, 55, 361-374.	7.5	91
25	Metabolic Profiling of Human Colorectal Cancer Using High-Resolution Magic Angle Spinning Nuclear Magnetic Resonance (HR-MAS NMR) Spectroscopy and Gas Chromatography Mass Spectrometry (GC/MS). Journal of Proteome Research, 2009, 8, 352-361.	3.7	414