Ying Swan Ho

List of Publications by Year
in descending order

25 papers	1,628 citations	489802 18 h-index	651938 25 g-index
25 all docs	25 docs citations	25 times ranked	2997 citing authors

#	Article	IF	Citations
1	Methionine is a metabolic dependency of tumor-initiating cells. Nature Medicine, 2019, 25, 825-837.	15.2	226
2	Warburg metabolism in tumor-conditioned macrophages promotes metastasis in human pancreatic ductal adenocarcinoma. OncoImmunology, 2016, 5, e1191731.	2.1	178
3	Combined in silico modeling and metabolomics analysis to characterize fedâ€batch CHO cell culture. Biotechnology and Bioengineering, 2012, 109, 1415-1429.	1.7	174
4	Excessive fatty acid oxidation induces muscle atrophy in cancer cachexia. Nature Medicine, 2016, 22, 666-671.	15.2	169
5	Metabolomics-driven approach for the improvement of Chinese hamster ovary cell growth: Overexpression of malate dehydrogenase II. Journal of Biotechnology, 2010, 147, 116-121.	1.9	93
6	Mammalian Systems Biotechnology Reveals Global Cellular Adaptations in a Recombinant CHO Cell Line. Cell Systems, 2017, 4, 530-542.e6.	2.9	84
7	LCâ€MSâ€based metabolic characterization of high monoclonal antibodyâ€producing Chinese hamster ovary cells. Biotechnology and Bioengineering, 2012, 109, 3103-3111.	1.7	75
8	Advances in sample preparation and analytical techniques for lipidomics study of clinical samples. TrAC - Trends in Analytical Chemistry, 2015, 66, 1-18.	5.8	72
9	Maternal factor NELFA drives a 2C-like state in mouse embryonic stem cells. Nature Cell Biology, 2020, 22, 175-186.	4.6	72
10	Metabolomics profiling of extracellular metabolites in recombinant Chinese Hamster Ovary fedâ€batch culture. Rapid Communications in Mass Spectrometry, 2009, 23, 3763-3771.	0.7	67
11	Metabolomics-based identification of apoptosis-inducing metabolites in recombinant fed-batch CHO culture media. Journal of Biotechnology, 2011, 151, 218-224.	1.9	62
12	Comparative study of commercially available polymeric and microporous silica membranes for the dehydration of IPA/water mixtures by pervaporation/vapour permeation. Desalination, 2002, 149, 3-8.	4.0	59
13	Development and application of microwave-assisted extraction technique in biological sample preparation for small molecule analysis. Metabolomics, 2013, 9, 1109-1128.	1.4	43
14	Fatty acid oxidation is a druggable gateway regulating cellular plasticity for driving metastasis in breast cancer. Science Advances, 2021, 7, eabh2443.	4.7	42
15	Auroramycin: A Potent Antibiotic from Streptomyces roseosporus by CRISPRâ€Cas9 Activation. ChemBioChem, 2018, 19, 1716-1719.	1.3	41
16	Multiâ€omics profiling of CHO parental hosts reveals cell lineâ€specific variations in bioprocessing traits. Biotechnology and Bioengineering, 2019, 116, 2117-2129.	1.7	38
17	Lipidomic Profiling of Lung Pleural Effusion Identifies Unique Metabotype for EGFR Mutants in Non-Small Cell Lung Cancer. Scientific Reports, 2016, 6, 35110.	1.6	26
18	Evaluation and use of disaccharides as energy source in protein-free mammalian cell cultures. Scientific Reports, 2017, 7, 45216.	1.6	21

#	Article	IF	Citations
19	Harnessing the potential of machine learning for advancing â€œQuality by Designâ€•in biomanufacturing. MAbs, 2022, 14, 2013593.	2.6	21
20	von Hippel-Lindau Protein Maintains Metabolic Balance to Regulate the Survival of Naive B Lymphocytes. IScience, 2019, 17, 379-392.	1.9	16
21	Precursor mass prediction by clustering ionization products in LC-MS-based metabolomics. Metabolomics, 2013, 9, 1301-1310.	1.4	15
22	MMSET I acts as an oncoprotein and regulates GLO1 expression in t(4;14) multiple myeloma cells. Leukemia, 2019, 33, 739-748.	3.3	13
23	Multiâ€omics profiling of a CHO cell culture system unravels the effect of culture pH on cell growth, antibody titer, and product quality. Biotechnology and Bioengineering, 2021, 118, 4305-4316.	1.7	11
24	An LCâ€“MS-based lipidomics pre-processing framework underpins rapid hypothesis generation towards CHO systems biotechnology. Metabolomics, 2018, 14, 98.	1.4	6
25	A genetic algorithm-based approach for pre-processing metabolomics and lipidomics LCâ€“MS data. Metabolomics, 2016, 12, 1.	1.4	4