

# Ying Swan Ho

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,628  
citations

430874

18  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2768  
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing the potential of machine learning for advancing "Quality by Design" in biomanufacturing. <i>MAbs</i> , 2022, 14, 2013593.	5.2	21
2	Multi-omics profiling of a CHO cell culture system unravels the effect of culture pH on cell growth, antibody titer, and product quality. <i>Biotechnology and Bioengineering</i> , 2021, 118, 4305-4316.	3.3	11
3	Fatty acid oxidation is a druggable gateway regulating cellular plasticity for driving metastasis in breast cancer. <i>Science Advances</i> , 2021, 7, eabh2443.	10.3	42
4	Maternal factor NELFA drives a 2C-like state in mouse embryonic stem cells. <i>Nature Cell Biology</i> , 2020, 22, 175-186.	10.3	72
5	von Hippel-Lindau Protein Maintains Metabolic Balance to Regulate the Survival of Naive B Lymphocytes. <i>IScience</i> , 2019, 17, 379-392.	4.1	16
6	Multi-omics profiling of CHO parental hosts reveals cell line-specific variations in bioprocessing traits. <i>Biotechnology and Bioengineering</i> , 2019, 116, 2117-2129.	3.3	38
7	Methionine is a metabolic dependency of tumor-initiating cells. <i>Nature Medicine</i> , 2019, 25, 825-837.	30.7	226
8	MMSSET 1 acts as an oncoprotein and regulates GLO1 expression in t(4;14) multiple myeloma cells. <i>Leukemia</i> , 2019, 33, 739-748.	7.2	13
9	Auroramycin: A Potent Antibiotic from <i>Streptomyces roseosporus</i> by CRISPR-Cas9 Activation. <i>ChemBioChem</i> , 2018, 19, 1716-1719.	2.6	41
10	An LC-MS-based lipidomics pre-processing framework underpins rapid hypothesis generation towards CHO systems biotechnology. <i>Metabolomics</i> , 2018, 14, 98.	3.0	6
11	Mammalian Systems Biotechnology Reveals Global Cellular Adaptations in a Recombinant CHO Cell Line. <i>Cell Systems</i> , 2017, 4, 530-542.e6.	6.2	84
12	Evaluation and use of disaccharides as energy source in protein-free mammalian cell cultures. <i>Scientific Reports</i> , 2017, 7, 45216.	3.3	21
13	Lipidomic Profiling of Lung Pleural Effusion Identifies Unique Metabotype for EGFR Mutants in Non-Small Cell Lung Cancer. <i>Scientific Reports</i> , 2016, 6, 35110.	3.3	26
14	Excessive fatty acid oxidation induces muscle atrophy in cancer cachexia. <i>Nature Medicine</i> , 2016, 22, 666-671.	30.7	169
15	Warburg metabolism in tumor-conditioned macrophages promotes metastasis in human pancreatic ductal adenocarcinoma. <i>OncImmunology</i> , 2016, 5, e1191731.	4.6	178
16	A genetic algorithm-based approach for pre-processing metabolomics and lipidomics LC-MS data. <i>Metabolomics</i> , 2016, 12, 1.	3.0	4
17	Advances in sample preparation and analytical techniques for lipidomics study of clinical samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 66, 1-18.	11.4	72
18	Precursor mass prediction by clustering ionization products in LC-MS-based metabolomics. <i>Metabolomics</i> , 2013, 9, 1301-1310.	3.0	15

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19	Development and application of microwave-assisted extraction technique in biological sample preparation for small molecule analysis. <i>Metabolomics</i> , 2013, 9, 1109-1128.	3.0	43
20	Combined in silico modeling and metabolomics analysis to characterize fed-batch CHO cell culture. <i>Biotechnology and Bioengineering</i> , 2012, 109, 1415-1429.	3.3	174
21	LC-MS-based metabolic characterization of high monoclonal antibody-producing Chinese hamster ovary cells. <i>Biotechnology and Bioengineering</i> , 2012, 109, 3103-3111.	3.3	75
22	Metabolomics-based identification of apoptosis-inducing metabolites in recombinant fed-batch CHO culture media. <i>Journal of Biotechnology</i> , 2011, 151, 218-224.	3.8	62
23	Metabolomics-driven approach for the improvement of Chinese hamster ovary cell growth: Overexpression of malate dehydrogenase II. <i>Journal of Biotechnology</i> , 2010, 147, 116-121.	3.8	93
24	Metabolomics profiling of extracellular metabolites in recombinant Chinese Hamster Ovary fed-batch culture. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3763-3771.	1.5	67
25	Comparative study of commercially available polymeric and microporous silica membranes for the dehydration of IPA/water mixtures by pervaporation/vapour permeation. <i>Desalination</i> , 2002, 149, 3-8.	8.2	59