

# Wai Yee Chan

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,952  
citations

567281

15  
h-index

345221

36  
g-index

37  
all docs

37  
docs citations

37  
times ranked

3470  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan: An Update on Potential Biomedical and Pharmaceutical Applications. <i>Marine Drugs</i> , 2015, 13, 5156-5186.	4.6	908
2	A research agenda for aging in China in the 21st century. <i>Ageing Research Reviews</i> , 2015, 24, 197-205.	10.9	374
3	Snake venom toxins: toxicity and medicinal applications. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6165-6181.	3.6	91
4	Marine natural products with anti-inflammatory activity. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1645-1666.	3.6	74
5	Towards precision medicine: from quantitative imaging to radiomics. <i>Journal of Zhejiang University: Science B</i> , 2018, 19, 6-24.	2.8	60
6	Lung nodule classification using deep Local-Global networks. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 1815-1819.	2.8	60
7	Role of Artificial Intelligence in COVID-19 Detection. <i>Sensors</i> , 2021, 21, 8045.	3.8	32
8	New insights into the unfolded protein response in stem cells. <i>Oncotarget</i> , 2016, 7, 54010-54027.	1.8	29
9	Biological activities of ribosome-inactivating proteins and their possible applications as antimicrobial, anticancer, and anti-pest agents and in neuroscience research. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9847-9863.	3.6	28
10	Automatic COVID-19 Detection Using Exemplar Hybrid Deep Features with X-ray Images. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8052.	2.6	28
11	Insulin exerts direct, IGF-1 independent actions in growth plate chondrocytes. <i>Bone Research</i> , 2014, 2, 14012.	11.4	24
12	Multilevel Deep Feature Generation Framework for Automated Detection of Retinal Abnormalities Using OCT Images. <i>Entropy</i> , 2021, 23, 1651.	2.2	22
13	Revealing cellular and molecular transitions in neonatal germ cell differentiation using Single-cell RNA sequencing. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	20
14	A Review on Computer Aided Diagnosis of Acute Brain Stroke. <i>Sensors</i> , 2021, 21, 8507.	3.8	19
15	Bruton's tyrosine kinase potentiates ALK signaling and serves as a potential therapeutic target of neuroblastoma. <i>Oncogene</i> , 2018, 37, 6180-6194.	5.9	17
16	Robust radiogenomics approach to the identification of EGFR mutations among patients with NSCLC from three different countries using topologically invariant Betti numbers. <i>PLoS ONE</i> , 2021, 16, e0244354.	2.5	16
17	Fungal proteinaceous compounds with multiple biological activities. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6601-6617.	3.6	13
18	Icaritin enhances mESC self-renewal through upregulating core pluripotency transcription factors mediated by ER $\alpha$ . <i>Scientific Reports</i> , 2017, 7, 40894.	3.3	13

#	ARTICLE	IF	CITATIONS
19	A hemagglutinin isolated from Northeast China black beans induced mitochondrial dysfunction and apoptosis in colorectal cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 2201-2211.	4.1	12
20	Low Muscularity as Assessed by Abdominal Computed Tomography on Intensive Care Unit Admission Is Associated With Mortality in a Critically Ill Asian Population. <i>Journal of Parenteral and Enteral Nutrition</i> , 2020, 44, 425-433.	2.6	12
21	2DSM vs FFDM: A computeraided diagnosis based comparative study for the early detection of breast cancer. <i>Expert Systems</i> , 2021, 38, e12474.	4.5	11
22	Proteins, peptides, polysaccharides, and nucleotides with inhibitory activity on human immunodeficiency virus and its enzymes. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 10399-10414.	3.6	10
23	Antifungal Proteins with Antiproliferative Activity on Cancer Cells and HIV-1 Enzyme Inhibitory Activity from Medicinal Plants and Medicinal Fungi. <i>Current Protein and Peptide Science</i> , 2019, 20, 265-276.	1.4	9
24	Plasma and CSF miRNA dysregulations in subarachnoid hemorrhage reveal clinical courses and underlying pathways. <i>Journal of Clinical Neuroscience</i> , 2019, 62, 155-161.	1.5	8
25	Development of breast papillary index for differentiation of benign and malignant lesions using ultrasound images. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 2121-2129.	4.9	8
26	Diagnostic accuracy of tomosynthesis-guided vacuum assisted breast biopsy of ultrasound occult lesions. <i>Scientific Reports</i> , 2021, 11, 129.	3.3	8
27	New Insights into the Role of Autophagy in Ovarian Cryopreservation by Vitrification1. <i>Biology of Reproduction</i> , 2016, 94, 137.	2.7	7
28	Comparison of two-dimensional synthesized mammograms versus original digital mammograms: a quantitative assessment. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 355-367.	2.8	7
29	RNA-seq analysis on <i>ets1</i> mutant embryos of <i>Xenopus tropicalis</i> identifies <i>microseminoprotein beta gene 3</i> as an essential regulator of neural crest migration. <i>FASEB Journal</i> , 2020, 34, 12726-12738.	0.5	6
30	Kindlin2 regulates neural crest specification via integrin-independent regulation of the FGF signaling pathway. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	6
31	Chest Radiograph (CXR) Manifestations of the Novel Coronavirus Disease 2019 (COVID-19): A Mini-review. <i>Current Medical Imaging</i> , 2021, 17, 677-685.	0.8	6
32	Single-cell analysis of microglial transcriptomic diversity in subarachnoid haemorrhage. <i>Clinical and Translational Medicine</i> , 2022, 12, e783.	4.0	6
33	Primary Breast Angiosarcoma: Utilisation of Pre-surgical Magnetic Resonance Imaging (MRI) for Accurate Tumour Characterization and Planning – A Case Report and Literature Review. <i>Current Medical Imaging</i> , 2021, 17, 552-558.	0.8	3
34	Development of a Computational Tool for the Estimation of Alveolar Bone Loss in Oral Radiographic Images. <i>Computation</i> , 2022, 10, 8.	2.0	2
35	Optimisation of CT thorax protocol for obese paediatric patients: A phantom study. <i>Journal of Physics: Conference Series</i> , 2019, 1248, 012007.	0.4	1
36	A Core Omnigenic Non-coding Trait Governing Dex-Induced Osteoporotic Effects Identified Without DEXA. <i>Frontiers in Pharmacology</i> , 2021, 12, 750959.	3.5	1

#	ARTICLE	IF	CITATIONS
37	Preliminary study of longitudinal changes in the pituitary and brain of children on growth hormone therapy. <i>Journal of Neuroradiology</i> , 2023, 50, 271-277.	1.1	1