

Xin Lai

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,126
citations

430442

18
h-index

414034

32
g-index

50
all docs

50
docs citations

50
times ranked

1721
citing authors

#	ARTICLE	IF	CITATIONS
1	A disease network-based deep learning approach for characterizing melanoma. <i>International Journal of Cancer</i> , 2022, 150, 1029-1044.	2.3	16
2	Artificial intelligence in cancer target identification and drug discovery. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 156.	7.1	77
3	Sepsis and Autoimmune Disease: Pathology, Systems Medicine, and Artificial Intelligence. , 2021, , 581-592.		0
4	Network- and systems-based re-engineering of dendritic cells with non-coding RNAs for cancer immunotherapy. <i>Theranostics</i> , 2021, 11, 1412-1428.	4.6	8
5	Low-dose ultra-fractionated radiotherapy as a chemosensitizer of neoadjuvant chemotherapy for locally advanced nasopharyngeal carcinoma: A preliminary results of the phase II trial.. <i>Journal of Clinical Oncology</i> , 2021, 39, e18022-e18022.	0.8	0
6	Mathematical Modelling in Biomedicine: A Primer for the Curious and the Skeptic. <i>International Journal of Molecular Sciences</i> , 2021, 22, 547.	1.8	7
7	Multi-Level Computational Modeling of Anti-Cancer Dendritic Cell Vaccination Utilized to Select Molecular Targets for Therapy Optimization. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 746359.	1.8	3
8	RNA Sequencing of Collecting Duct Renal Cell Carcinoma Suggests an Interaction between miRNA and Target Genes and a Predominance of Deregulated Solute Carrier Genes. <i>Cancers</i> , 2020, 12, 64.	1.7	18
9	Exosomal lncRNAs and cancer: connecting the missing links. <i>Bioinformatics</i> , 2019, 35, 352-360.	1.8	51
10	Systems biology-based investigation of cooperating microRNAs as monotherapy or adjuvant therapy in cancer. <i>Nucleic Acids Research</i> , 2019, 47, 7753-7766.	6.5	126
11	The histone demethylase JMJD2B is critical for p53-mediated autophagy and survival in Nutlin-treated cancer cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 9186-9197.	1.6	10
12	A gene regulatory architecture that controls region-independent dynamics of oligodendrocyte differentiation. <i>Glia</i> , 2019, 67, 825-843.	2.5	36
13	Innate extracellular vesicles from melanoma patients suppress β -catenin in tumor cells by miRNA-34a. <i>Life Science Alliance</i> , 2019, 2, e201800205.	1.3	22
14	Bacterial Adherence and Dwelling Probability: Two Drivers of Early Alveolar Infection by <i>Streptococcus pneumoniae</i> Identified in Multi-Level Mathematical Modeling. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 159.	1.8	10
15	MiR-205-5p and miR-342-3p cooperate in the repression of the E2F1 transcription factor in the context of anticancer chemotherapy resistance. <i>Theranostics</i> , 2018, 8, 1106-1120.	4.6	59
16	Serum levels of miR-320 family members are associated with clinical parameters and diagnosis in prostate cancer patients. <i>Oncotarget</i> , 2018, 9, 10402-10416.	0.8	44
17	THP-1-derived macrophages render lung epithelial cells hypo-responsive to <i>Legionella pneumophila</i> – a systems biology study. <i>Scientific Reports</i> , 2017, 7, 11988.	1.6	21
18	Is radiotherapy the best option for treating hepatocellular carcinoma with portal vein tumour thrombosis?. <i>Liver International</i> , 2017, 37, 307-308.	1.9	2

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19	Multiplicity of Mathematical Modeling Strategies to Search for Molecular and Cellular Insights into Bacteria Lung Infection. <i>Frontiers in Physiology</i> , 2017, 8, 645.	1.3	24
20	A new semisynthetic cardenolide analog 3 ¹² -[2-(1-amantadine)- 1-on-ethylamine]-digitoxigenin (AMANTADIG) affects G2/M cell cycle arrest and miRNA expression profiles and enhances proapoptotic survivin-2B expression in renal cell carcinoma cell lines. <i>Oncotarget</i> , 2017, 8, 11676-11691.	0.8	18
21	Model-based genotype-phenotype mapping used to investigate gene signatures of immune sensitivity and resistance in melanoma micrometastasis. <i>Scientific Reports</i> , 2016, 6, 24967.	1.6	19
22	Understanding microRNA-mediated gene regulatory networks through mathematical modelling. <i>Nucleic Acids Research</i> , 2016, 44, 6019-6035.	6.5	135
23	Systems Medicine for Lung Diseases: Phenotypes and Precision Medicine in Cancer, Infection, and Allergy. <i>Methods in Molecular Biology</i> , 2016, 1386, 119-133.	0.4	4
24	Third-Kind Encounters in Biomedicine: Immunology Meets Mathematics and Informatics to Become Quantitative and Predictive. <i>Methods in Molecular Biology</i> , 2016, 1386, 135-179.	0.4	20
25	Abstract 1089: Cardiac glycosides affect miRNA expression profiles in renal cell carcinoma cell lines. <i>Cancer Research</i> , 2016, 76, 1089-1089.	0.4	1
26	Cooperative gene regulation by microRNA pairs and their identification using a computational workflow. <i>Nucleic Acids Research</i> , 2014, 42, 7539-7552.	6.5	72
27	Asthma phenotyping, therapy, and prevention: what can we learn from systems biology?. <i>Pediatric Research</i> , 2013, 73, 543-552.	1.1	19
28	Kinetic Modeling-Based Detection of Genetic Signatures That Provide Chemoresistance via the E2F1-p73/DNp73-miR-205 Network. <i>Cancer Research</i> , 2013, 73, 3511-3524.	0.4	56
29	MicroRNA-Regulated Networks: The Perfect Storm for Classical Molecular Biology, the Ideal Scenario for Systems Biology. <i>Advances in Experimental Medicine and Biology</i> , 2013, 774, 55-76.	0.8	50
30	A Systems Biology Approach to Study MicroRNA-Mediated Gene Regulatory Networks. <i>BioMed Research International</i> , 2013, 2013, 1-15.	0.9	32
31	MicroRNA Clusters. , 2013, , 1310-1314.		8
32	MicroRNA Regulation, Time Delay. , 2013, , 1331-1334.		1
33	MicroRNA Regulation, Feed-Forward Loops. , 2013, , 1324-1328.		1
34	Target Hub. , 2013, , 2134-2138.		1
35	Nonlinear Dynamics, miRNA Circuits. , 2013, , 1541-1545.		0
36	Computational analysis of target hub gene repression regulated by multiple and cooperative miRNAs. <i>Nucleic Acids Research</i> , 2012, 40, 8818-8834.	6.5	77

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37	Modeling miRNA Regulation in Cancer Signaling Systems: miR-34a Regulation of the p53/Sirt1 Signaling Module. <i>Methods in Molecular Biology</i> , 2012, 880, 87-108.	0.4	25
38	Model-based investigation of the transcriptional activity of p53 and its feedback loop regulation via 14-3-3 β . <i>IET Systems Biology</i> , 2011, 5, 293-307.	0.8	8
39	Computational analysis and modeling the effectiveness of Zanamivir™ targeting neuraminidase protein in pandemic H1N1 strains. <i>Infection, Genetics and Evolution</i> , 2011, 11, 1072-1082.	1.0	4
40	Modeling miRNA regulation in signaling networks: miR-34a regulation of the p53/Sirt1 module. <i>Nature Precedings</i> , 2010, , .	0.1	2
41	Integration of sensitivity and bifurcation analysis to detect critical processes in a model combining signalling and cell population dynamics. <i>International Journal of Systems Science</i> , 2010, 41, 81-105.	3.7	17
42	A multi-level model accounting for the effects of JAK2-STAT5 signal modulation in erythropoiesis. <i>Computational Biology and Chemistry</i> , 2009, 33, 312-324.	1.1	18