

Iman Tavassoly

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

5,759
citations

586496

16
h-index

721071

23
g-index

37
all docs

37
docs citations

37
times ranked

16902
citing authors

#	ARTICLE	IF	CITATIONS
1	High dimensionality reduction by matrix factorization for systems pharmacology. Briefings in Bioinformatics, 2022, 23, .	3.2	30
2	Decoding clinical biomarker space of COVID-19: Exploring matrix factorization-based feature selection methods. Computers in Biology and Medicine, 2022, 146, 105426.	3.9	45
3	EGFR Aggregation in the Brain. ACS Chemical Neuroscience, 2021, 12, 1833-1834.	1.7	4
4	Physical bioenergetics: Energy fluxes, budgets, and constraints in cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	52
5	Pharmacological Functionalization of Protein-Based Nanorobots as a Novel Tool for Drug Delivery in Cancer. ACS Pharmacology and Translational Science, 2021, 4, 1463-1467.	2.5	1
6	A Systems Biology Roadmap to Decode mTOR Control System in Cancer. Interdisciplinary Sciences, Computational Life Sciences, 2020, 12, 1-11.	2.2	32
7	Heparin-binding Peptides as Novel Therapies to Stop SARS-CoV-2 Cellular Entry and Infection. Molecular Pharmacology, 2020, 98, 612-619.	1.0	31
8	Seeding Brain Protein Aggregation by SARS-CoV-2 as a Possible Long-Term Complication of COVID-19 Infection. ACS Chemical Neuroscience, 2020, 11, 3704-3706.	1.7	54
9	Inhibition of Brain Epidermal Growth Factor Receptor Activation: A Novel Target in Neurodegenerative Diseases and Brain Injuries. Molecular Pharmacology, 2020, 98, 13-22.	1.0	39
10	Dynamic modeling of signal transduction by mTOR complexes in cancer. Journal of Theoretical Biology, 2019, 483, 109992.	0.8	10
11	Genomic signatures defining responsiveness to allopurinol and combination therapy for lung cancer identified by systems therapeutics analyses. Molecular Oncology, 2019, 13, 1725-1743.	2.1	28
12	Diagnosis of Pancreatic Cystic Lesions by Virtual Slicing: Comparison of Diagnostic Potential of Needle-Based Confocal Laser Endomicroscopy versus Endoscopic Ultrasound-Guided Fine-Needle Aspiration. Journal of Pathology Informatics, 2019, 10, 34.	0.8	11
13	Abstract 669: Dynamic modeling of responses to PDL-1 inhibitors in non-small cell lung cancer: implications for precision combination therapy. , 2019, , .		0
14	Abstract 669: Dynamic modeling of responses to PDL-1 inhibitors in non-small cell lung cancer: implications for precision combination therapy. , 2019, , .		0
15	Systems biology primer: the basic methods and approaches. Essays in Biochemistry, 2018, 62, 487-500.	2.1	128
16	Abstract 4276: Analysis of sensitivity of genomic signatures of therapeutic responses of non-small cell lung cancer in patient-derived xenograft models. , 2018, , .		0
17	A biomimetic gelatin-based platform elicits a pro-differentiation effect on podocytes through mechanotransduction. Scientific Reports, 2017, 7, 43934.	1.6	32
18	Abstract 5554: Metabolic reprogramming in non-small cell lung cancer: a precision oncology approach. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
20	Dynamic Modeling of the Interaction Between Autophagy and Apoptosis in Mammalian Cells. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2015, 4, 263-272.	1.3	67
21	Dynamics of Cell Fate Decision Mediated by the Interplay of Autophagy and Apoptosis in Cancer Cells. <i>Springer Theses</i> , 2015, , .	0.0	17
22	Introduction to Autophagy in Physiology and Pathophysiology. <i>Springer Theses</i> , 2015, , 1-21.	0.0	1
23	An Experimental Framework to Study the Dynamics of Autophagic Response. <i>Springer Theses</i> , 2015, , 43-70.	0.0	0
24	Mathematical Modeling of the Interplay of Autophagy and Apoptosis. <i>Springer Theses</i> , 2015, , 23-41.	0.0	0
25	Modelling the effect of GRP78 on anti-oestrogen sensitivity and resistance in breast cancer. <i>Interface Focus</i> , 2013, 3, 20130012.	1.5	26
26	Endoplasmic Reticulum Stress, the Unfolded Protein Response, Autophagy, and the Integrated Regulation of Breast Cancer Cell Fate. <i>Cancer Research</i> , 2012, 72, 1321-1331.	0.4	183
27	Dynamic modelling of oestrogen signalling and cell fate in breast cancer cells. <i>Nature Reviews Cancer</i> , 2011, 11, 523-532.	12.8	179
28	Endoplasmic reticulum stress, the unfolded protein response, and gene network modeling in antiestrogen resistant breast cancer. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2011, 5, 35-44.	0.3	49
29	Three Dimensional Chaos Game Representation of Genomic Sequences. , 2007, , .		3
30	Cover Credit. , 2007, , .		3
31	Chaos game representation of mitochondrial DNA: is it useful in phylogenetic studies?. <i>BMC Systems Biology</i> , 2007, 1, .	3.0	2