Mohammad Fallahi-Sichani

List of Publications by Year
in descending order

22 papers	5,503 citations	567281 15 h-index
26 all docs	26 docs citations	26 times ranked

888059 17 g-index

13121 citing authors

#	Article	IF	Citations
1	Models of Cancer Drug Discovery and Response to Therapy. , 2021, , 269-276.		0
2	Epigenetic modulation reveals differentiation state specificity of oncogene addiction. Nature Communications, 2021, 12, 1536.	12.8	12
3	Dissecting Murine Muscle Stem Cell Aging through Regeneration Using Integrative Genomic Analysis. Cell Reports, 2020, 32, 107964.	6.4	49
4	Phenotype-based probabilistic analysis of heterogeneous responses to cancer drugs and their combination efficacy. PLoS Computational Biology, 2020, 16, e1007688.	3.2	16
5	Title is missing!. , 2020, 16, e1007688.		0
6	Title is missing!. , 2020, 16, e1007688.		0
7	Title is missing!. , 2020, 16, e1007688.		0
8	Title is missing!. , 2020, 16, e1007688.		0
9	Epigenetic Mechanisms of Escape from BRAF Oncogene Dependency. Cancers, 2019, 11, 1480.	3.7	31
10	The Library of Integrated Network-Based Cellular Signatures NIH Program: System-Level Cataloging of Human Cells Response to Perturbations. Cell Systems, 2018, 6, 13-24.	6.2	327
11	Adaptive resistance of melanoma cells to <scp>RAF</scp> inhibition via reversible induction of a slowly dividing deâ€differentiated state. Molecular Systems Biology, 2017, 13, 905.	7.2	202
12	Cyclic Immunofluorescence (CycIF), A Highly Multiplexed Method for Singleâ€cell Imaging. Current Protocols in Chemical Biology, 2016, 8, 251-264.	1.7	142
13	Dissecting the multicellular ecosystem of metastatic melanoma by single-cell RNA-seq. Science, 2016, 352, 189-196.	12.6	3,421
14	Highly multiplexed imaging of single cells using a high-throughput cyclic immunofluorescence method. Nature Communications, 2015, 6, 8390.	12.8	428
15	Systematic analysis of <scp>BRAF^V</scp>^{600E} melanomas reveals a role for <scp>JNK</scp>/câ€Jun pathway in adaptive resistance to drugâ€induced apoptosis. Molecular Systems Biology, 2015, 11, 797.	7.2	84
16	Tuneable resolution as a systems biology approach for multiâ€scale, multiâ€compartment computational models. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2014, 6, 289-309.	6.6	53
17	Metrics other than potency reveal systematic variation in responses to cancer drugs. Nature Chemical Biology, 2013, 9, 708-714.	8.0	280
18	NF-ÎºB Signaling Dynamics Play a Key Role in Infection Control in Tuberculosis. Frontiers in Physiology, 2012, 3, 170.	2.8	112

#	Article	IF	Citations
19	Multiscale Computational Modeling Reveals a Critical Role for TNF-α Receptor 1 Dynamics in Tuberculosis Granuloma Formation. Journal of Immunology, 2011, 186, 3472-3483.	0.8	158
20	Identification of Key Processes that Control Tumor Necrosis Factor Availability in a Tuberculosis Granuloma. PLoS Computational Biology, 2010, 6, e1000778.	3.2	57
21	Lipid Raft-Mediated Regulation of G-Protein Coupled Receptor Signaling by Ligands which Influence Receptor Dimerization: A Computational Study. PLoS ONE, 2009, 4, e6604.	2.5	79
22	In vitro differentiation of cord blood unrestricted somatic stem cells expressing dopamine-associated genes into neuron-like cells. Cell Biology International, 2007, 31, 299-303.	3.0	51