Kuo-Yuan Cheng

List of Publications by Year
in descending order

15 papers	1,214 citations	933447 10 h-index	1058476 14 g-index
21 all docs	21 docs citations	21 times ranked	3037 citing authors

#	Article	IF	Citations
1	Discovery of SARS-CoV-2 antiviral drugs through large-scale compound repurposing. Nature, 2020, 586, 113-119.	27.8	672
2	Identification of bacteria-derived HLA-bound peptides in melanoma. Nature, 2021, 592, 138-143.	27.8	187
3	Harnessing synthetic lethality to predict the response to cancer treatment. Nature Communications, 2018, 9, 2546.	12.8	97
4	*In vitro* and *in vivo* identification of clinically approved drugs that modify *ACE 2* expression. Molecular Systems Biology, 2020, 16, e9628.	7.2	47
5	Novel mechanisms for superoxide-scavenging activity of human manganese superoxide dismutase determined by the K68 key acetylation site. Free Radical Biology and Medicine, 2015, 85, 114-126.	2.9	42
6	Identification of drugs associated with reduced severity of COVID-19 – a case-control study in a large population. ELife, 2021, 10, .	6.0	32
7	Genome-scale metabolic modeling reveals SARS-CoV-2-induced metabolic changes and antiviral targets. Molecular Systems Biology, 2021, 17, e10260.	7.2	26
8	Genome-wide prediction of synthetic rescue mediators of resistance to targeted and immunotherapy. Molecular Systems Biology, 2019, 15, e8323.	7.2	25
9	Berberine regulates neurite outgrowth through AMPK-dependent pathways by lowering energy status. Experimental Cell Research, 2015, 334, 194-206.	2.6	19
10	Synthetic lethality across normal tissues is strongly associated with cancer risk, onset, and tumor suppressor specificity. Science Advances, 2021, 7, .	10.3	16
11	Combinatorial Detection of Conserved Alteration Patterns for Identifying Cancer Subnetworks. GigaScience, 2019, 8, .	6.4	9
12	Synthetic lethality-based prediction of anti-SARS-CoV-2 targets. IScience, 2022, 25, 104311.	4.1	7
13	MnTM-4-PyP Modulates Endogenous Antioxidant Responses and Protects Primary Cortical Neurons against Oxidative Stress. CNS Neuroscience and Therapeutics, 2015, 21, 435-445.	3.9	5
14	Using a Recently Approved Tumor Mutational Burden Biomarker to Stratify Patients for Immunotherapy May Introduce a Sex Bias. JCO Precision Oncology, 2021, 5, 1147-1150.	3.0	4
15	ISDN2014_0329: REMOVED: MnTM-4-PyP protects cortical neurons against oxidative stress via induction of cellular antioxidant responses. International Journal of Developmental Neuroscience, 2015, 47, 101-101.	1.6	0