

Joseph Lehar

List of Publications by Citations

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

16,872
citations

28
h-index

46
g-index

46
ext. papers

20,917
ext. citations

14.3
avg, IF

5.36
L-index

#	Paper	IF	Citations
44	PGC-1alpha-responsive genes involved in oxidative phosphorylation are coordinately downregulated in human diabetes. <i>Nature Genetics</i> , 2003 , 34, 267-73	36.3	5810
43	The Cancer Cell Line Encyclopedia enables predictive modelling of anticancer drug sensitivity. <i>Nature</i> , 2012 , 483, 603-7	50.4	4648
42	Next-generation characterization of the Cancer Cell Line Encyclopedia. <i>Nature</i> , 2019 , 569, 503-508	50.4	962
41	Multi-target therapeutics: when the whole is greater than the sum of the parts. <i>Drug Discovery Today</i> , 2007 , 12, 34-42	8.8	789
40	High-throughput screening using patient-derived tumor xenografts to predict clinical trial drug response. <i>Nature Medicine</i> , 2015 , 21, 1318-25	50.5	752
39	Synergistic drug combinations tend to improve therapeutically relevant selectivity. <i>Nature Biotechnology</i> , 2009 , 27, 659-66	44.5	650
38	Systematic discovery of multicomponent therapeutics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 7977-82	11.5	483
37	Probing the Coevolution of Supermassive Black Holes and Galaxies Using Gravitationally Lensed Quasar Hosts. <i>Astrophysical Journal</i> , 2006 , 649, 616-634	4.7	326
36	CDK 4/6 inhibitors sensitize PIK3CA mutant breast cancer to PI3K inhibitors. <i>Cancer Cell</i> , 2014 , 26, 136-44	44.3	307
35	Characterization of the novel and specific PI3K inhibitor NVP-BYL719 and development of the patient stratification strategy for clinical trials. <i>Molecular Cancer Therapeutics</i> , 2014 , 13, 1117-29	6.1	288
34	FDA-approved selective estrogen receptor modulators inhibit Ebola virus infection. <i>Science Translational Medicine</i> , 2013 , 5, 190ra79	17.5	239
33	Automated deep-neural-network surveillance of cranial images for acute neurologic events. <i>Nature Medicine</i> , 2018 , 24, 1337-1341	50.5	200
32	Chemical combination effects predict connectivity in biological systems. <i>Molecular Systems Biology</i> , 2007 , 3, 80	12.2	194
31	A screen of approved drugs and molecular probes identifies therapeutics with anti-Ebola virus activity. <i>Science Translational Medicine</i> , 2015 , 7, 290ra89	17.5	175
30	Combination chemical genetics. <i>Nature Chemical Biology</i> , 2008 , 4, 674-81	11.7	142
29	Radio Variability of Radio-quiet and Radio-loud Quasars. <i>Astrophysical Journal</i> , 2005 , 618, 108-122	4.7	83
28	A Gravitational Lens Solution for the [ITAL]IRAS[/ITAL] Galaxy FSC 10214+4724. <i>Astrophysical Journal</i> , 1995 , 450, L41-L44	4.7	81

27	High-order combination effects and biological robustness. <i>Molecular Systems Biology</i> , 2008 , 4, 215	12.2	79
26	Natural Language-based Machine Learning Models for the Annotation of Clinical Radiology Reports. <i>Radiology</i> , 2018 , 287, 570-580	20.5	77
25	NICMOS and VLA Observations of the Gravitationally Lensed Ultraluminous BAL Quasar APM 08279+5255: Detection of a Third Image. <i>Astronomical Journal</i> , 1999 , 118, 1922-1930	4.9	60
24	Knocking out multigene redundancies via cycles of sexual assortment and fluorescence selection. <i>Nature Methods</i> , 2011 , 8, 159-64	21.6	54
23	First Results from a Photometric Survey of Strong Gravitational Lens Environments. <i>Astrophysical Journal</i> , 2006 , 646, 85-106	4.7	49
22	The third MIT-Green Bank 5 GHz survey. <i>Astrophysical Journal, Supplement Series</i> , 1990 , 74, 129	8	38
21	The second MIT-Green Bank 5 GHz survey. <i>Astrophysical Journal, Supplement Series</i> , 1990 , 72, 621	8	35
20	Resistance mechanisms to TP53-MDM2 inhibition identified by in vivo piggyBac transposon mutagenesis screen in an Arf mouse model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3151-3156	11.5	33
19	Inhibiting Tankyrases sensitizes KRAS-mutant cancer cells to MEK inhibitors via FGFR2 feedback signaling. <i>Cancer Research</i> , 2014 , 74, 3294-305	10.1	32
18	The Hubble constant from VLA measurement of the time delay in the double quasar 0957+561. <i>Nature</i> , 1991 , 352, 43-45	50.4	30
17	Chemical combinations elucidate pathway interactions and regulation relevant to Hepatitis C replication. <i>Molecular Systems Biology</i> , 2010 , 6, 375	12.2	29
16	Optical rings: a large number of gravitational lenses?. <i>Monthly Notices of the Royal Astronomical Society</i> , 1992 , 259, 31P-34P	4.3	27
15	RAD001 enhances the potency of BEZ235 to inhibit mTOR signaling and tumor growth. <i>PLoS ONE</i> , 2012 , 7, e48548	3.7	24
14	A Reassessment of the Data and Models of the Gravitational Lens Q0957+561. <i>Astrophysical Journal</i> , 1999 , 520, 479-490	4.7	24
13	High-Order Drug Combinations Are Required to Effectively Kill Colorectal Cancer Cells. <i>Cancer Research</i> , 2016 , 76, 6950-6963	10.1	24
12	Quantifying neurologic disease using biosensor measurements in-clinic and in free-living settings in multiple sclerosis. <i>Npj Digital Medicine</i> , 2019 , 2, 123	15.7	21
11	Reconciling the image brightness ratios in the gravitational lens system 0957 + 561. <i>Astrophysical Journal</i> , 1992 , 387, L61	4.7	18
10	Identification of synergistic combinations of F508del cystic fibrosis transmembrane conductance regulator (CFTR) modulators. <i>Assay and Drug Development Technologies</i> , 2010 , 8, 669-84	2.1	15

9	Therapeutic selectivity and the multi-node drug target. <i>Discovery Medicine</i> , 2009 , 8, 185-90	2.5	15
8	Recurrent, robust and scalable patterns underlie human approach and avoidance. <i>PLoS ONE</i> , 2010 , 5, e10613	3.7	13
7	Simulating Serial-Target Antibacterial Drug Synergies Using Flux Balance Analysis. <i>PLoS ONE</i> , 2016 , 11, e0147651	3.7	10
6	Faint radio sources and gravitational lensing. <i>Astrophysical Journal</i> , 1990 , 353, 34	4.7	8
5	Gene Expression Ratios Lead to Accurate and Translatable Predictors of DR5 Agonism across Multiple Tumor Lineages. <i>PLoS ONE</i> , 2015 , 10, e0138486	3.7	7
4	Ringlike Structure in the Radio Lobe of MG 0248+0641. <i>Astronomical Journal</i> , 1998 , 115, 37-48	4.9	6
3	A meta-analysis approach for characterizing pan-cancer mechanisms of drug sensitivity in cell lines. <i>PLoS ONE</i> , 2014 , 9, e103050	3.7	6
2	The FIRST-Optical-VLA Survey for Lensed Radio Lobes. <i>Astronomical Journal</i> , 2005 , 130, 1977-1995	4.9	5
1	THE CENTRAL COMPONENT OF GRAVITATIONAL LENS Q0957+561. <i>Astronomical Journal</i> , 2008 , 135, 984-990	4.9	1