

Joseph Lehar

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

23,541
citations

196777

29
h-index

263392

45
g-index

46
all docs

46
docs citations

46
times ranked

50563
citing authors

#	ARTICLE	IF	CITATIONS
1	PGC-1 β -responsive genes involved in oxidative phosphorylation are coordinately downregulated in human diabetes. <i>Nature Genetics</i> , 2003, 34, 267-273.	9.4	8,185
2	The Cancer Cell Line Encyclopedia enables predictive modelling of anticancer drug sensitivity. <i>Nature</i> , 2012, 483, 603-607.	13.7	6,473
3	Next-generation characterization of the Cancer Cell Line Encyclopedia. <i>Nature</i> , 2019, 569, 503-508.	13.7	2,149
4	High-throughput screening using patient-derived tumor xenografts to predict clinical trial drug response. <i>Nature Medicine</i> , 2015, 21, 1318-1325.	15.2	1,065
5	Multi-target therapeutics: when the whole is greater than the sum of the parts. <i>Drug Discovery Today</i> , 2007, 12, 34-42.	3.2	947
6	Synergistic drug combinations tend to improve therapeutically relevant selectivity. <i>Nature Biotechnology</i> , 2009, 27, 659-666.	9.4	784
7	Systematic discovery of multicomponent therapeutics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7977-7982.	3.3	551
8	Characterization of the Novel and Specific PI3K β Inhibitor NVP-BYL719 and Development of the Patient Stratification Strategy for Clinical Trials. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 1117-1129.	1.9	385
9	CDK 4/6 Inhibitors Sensitize PIK3CA Mutant Breast Cancer to PI3K Inhibitors. <i>Cancer Cell</i> , 2014, 26, 136-149.	7.7	375
10	Probing the Coevolution of Supermassive Black Holes and Galaxies Using Gravitationally Lensed Quasar Hosts. <i>Astrophysical Journal</i> , 2006, 649, 616-634.	1.6	352
11	Automated deep-neural-network surveillance of cranial images for acute neurologic events. <i>Nature Medicine</i> , 2018, 24, 1337-1341.	15.2	308
12	FDA-Approved Selective Estrogen Receptor Modulators Inhibit Ebola Virus Infection. <i>Science Translational Medicine</i> , 2013, 5, 190ra79.	5.8	285
13	Chemical combination effects predict connectivity in biological systems. <i>Molecular Systems Biology</i> , 2007, 3, 80.	3.2	243
14	A screen of approved drugs and molecular probes identifies therapeutics with anti-Ebola virus activity. <i>Science Translational Medicine</i> , 2015, 7, 290ra89.	5.8	212
15	Combination chemical genetics. <i>Nature Chemical Biology</i> , 2008, 4, 674-681.	3.9	158
16	Natural Language-based Machine Learning Models for the Annotation of Clinical Radiology Reports. <i>Radiology</i> , 2018, 287, 570-580.	3.6	114
17	Radio Variability of Radio-quiet and Radio-loud Quasars. <i>Astrophysical Journal</i> , 2005, 618, 108-122.	1.6	99
18	High-order combination effects and biological robustness. <i>Molecular Systems Biology</i> , 2008, 4, 215.	3.2	86

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19	A Gravitational Lens Solution for the [ITAL]IRAS[/ITAL] Galaxy FSC 10214+4724. <i>Astrophysical Journal</i> , 1995, 450, L41-L44.	1.6	84
20	Knocking out multigene redundancies via cycles of sexual assortment and fluorescence selection. <i>Nature Methods</i> , 2011, 8, 159-164.	9.0	74
21	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.	1.9	60
22	First Results from a Photometric Survey of Strong Gravitational Lens Environments. <i>Astrophysical Journal</i> , 2006, 646, 85-106.	1.6	52
23	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.	3.3	48
24	The third MIT-Green Bank 5 GHz survey. <i>Astrophysical Journal, Supplement Series</i> , 1990, 74, 129.	3.0	40
25	The second MIT-Green Bank 5 GHz survey. <i>Astrophysical Journal, Supplement Series</i> , 1990, 72, 621.	3.0	38
26	Quantifying neurologic disease using biosensor measurements in-clinic and in free-living settings in multiple sclerosis. <i>Npj Digital Medicine</i> , 2019, 2, 123.	5.7	35
27	Inhibiting Tankyrases Sensitizes KRAS-Mutant Cancer Cells to MEK Inhibitors via FGFR2 Feedback Signaling. <i>Cancer Research</i> , 2014, 74, 3294-3305.	0.4	34
28	The Hubble constant from VLA measurement of the time delay in the double quasar 0957+561. <i>Nature</i> , 1991, 352, 43-45.	13.7	32
29	Chemical combinations elucidate pathway interactions and regulation relevant to Hepatitis C replication. <i>Molecular Systems Biology</i> , 2010, 6, 375.	3.2	30
30	High-Order Drug Combinations Are Required to Effectively Kill Colorectal Cancer Cells. <i>Cancer Research</i> , 2016, 76, 6950-6963.	0.4	30
31	RAD001 Enhances the Potency of BEZ235 to Inhibit mTOR Signaling and Tumor Growth. <i>PLoS ONE</i> , 2012, 7, e48548.	1.1	29
32	Optical rings: a large number of gravitational lenses?. <i>Monthly Notices of the Royal Astronomical Society</i> , 1992, 259, 31P-34P.	1.6	28
33	A Reassessment of the Data and Models of the Gravitational Lens Q0957+561. <i>Astrophysical Journal</i> , 1999, 520, 479-490.	1.6	24
34	Recurrent, Robust and Scalable Patterns Underlie Human Approach and Avoidance. <i>PLoS ONE</i> , 2010, 5, e10613.	1.1	22
35	Identification of Synergistic Combinations of F508del Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Modulators. <i>Assay and Drug Development Technologies</i> , 2010, 8, 669-684.	0.6	20
36	Reconciling the image brightness ratios in the gravitational lens system 0957 + 561. <i>Astrophysical Journal</i> , 1992, 387, L61.	1.6	19

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37	Therapeutic selectivity and the multi-node drug target. <i>Discovery Medicine</i> , 2009, 8, 185-90.	0.5	16
38	Simulating Serial-Target Antibacterial Drug Synergies Using Flux Balance Analysis. <i>PLoS ONE</i> , 2016, 11, e0147651.	1.1	14
39	Gene Expression Ratios Lead to Accurate and Translatable Predictors of DR5 Agonism across Multiple Tumor Lineages. <i>PLoS ONE</i> , 2015, 10, e0138486.	1.1	10
40	Faint radio sources and gravitational lensing. <i>Astrophysical Journal</i> , 1990, 353, 34.	1.6	8
41	A Meta-Analysis Approach for Characterizing Pan-Cancer Mechanisms of Drug Sensitivity in Cell Lines. <i>PLoS ONE</i> , 2014, 9, e103050.	1.1	7
42	Ringlike Structure in the Radio Lobe of MG 0248+0641. <i>Astronomical Journal</i> , 1998, 115, 37-48.	1.9	6
43	The FIRST-Optical-VLA Survey for Lensed Radio Lobes. <i>Astronomical Journal</i> , 2005, 130, 1977-1995.	1.9	6
44	THE CENTRAL COMPONENT OF GRAVITATIONAL LENS Q0957+561. <i>Astronomical Journal</i> , 2008, 135, 984-990.	1.9	1