Joseph Lehar

List of Publications by Year
in descending order

44 papers	23,541 citations	172457 29 h-index	233421 45 g-index
46 all docs	46 docs citations	46 times ranked	46019 citing authors

#	Article	IF	Citations
1	PGC-1Î±-responsive genes involved in oxidative phosphorylation are coordinately downregulated in human diabetes. Nature Genetics, 2003, 34, 267-273.	21.4	8,185
2	The Cancer Cell Line Encyclopedia enables predictive modelling of anticancer drug sensitivity. Nature, 2012, 483, 603-607.	27.8	6,473
3	Next-generation characterization of the Cancer Cell Line Encyclopedia. Nature, 2019, 569, 503-508.	27.8	2,149
4	High-throughput screening using patient-derived tumor xenografts to predict clinical trial drug response. Nature Medicine, 2015, 21, 1318-1325.	30.7	1,065
5	Multi-target therapeutics: when the whole is greater than the sum of the parts. Drug Discovery Today, 2007, 12, 34-42.	6.4	947
6	Synergistic drug combinations tend to improve therapeutically relevant selectivity. Nature Biotechnology, 2009, 27, 659-666.	17.5	784
7	Systematic discovery of multicomponent therapeutics. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7977-7982.	7.1	551
8	Characterization of the Novel and Specific PI3KÎ± Inhibitor NVP-BYL719 and Development of the Patient Stratification Strategy for Clinical Trials. Molecular Cancer Therapeutics, 2014, 13, 1117-1129.	4.1	385
9	CDK 4/6 Inhibitors Sensitize PIK3CA Mutant Breast Cancer to PI3K Inhibitors. Cancer Cell, 2014, 26, 136-149.	16.8	375
10	Probing the Coevolution of Supermassive Black Holes and Galaxies Using Gravitationally Lensed Quasar Hosts. Astrophysical Journal, 2006, 649, 616-634.	4.5	352
11	Automated deep-neural-network surveillance of cranial images for acute neurologic events. Nature Medicine, 2018, 24, 1337-1341.	30.7	308
12	FDA-Approved Selective Estrogen Receptor Modulators Inhibit Ebola Virus Infection. Science Translational Medicine, 2013, 5, 190ra79.	12.4	285
13	Chemical combination effects predict connectivity in biological systems. Molecular Systems Biology, 2007, 3, 80.	7.2	243
14	A screen of approved drugs and molecular probes identifies therapeutics with antiâ€“Ebola virus activity. Science Translational Medicine, 2015, 7, 290ra89.	12.4	212
15	Combination chemical genetics. Nature Chemical Biology, 2008, 4, 674-681.	8.0	158
16	Natural Languageâ€“based Machine Learning Models for the Annotation of Clinical Radiology Reports. Radiology, 2018, 287, 570-580.	7.3	114
17	Radio Variability of Radioâ€quiet and Radioâ€loud Quasars. Astrophysical Journal, 2005, 618, 108-122.	4.5	99
18	Highâ€order combination effects and biological robustness. Molecular Systems Biology, 2008, 4, 215.	7.2	86

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19	A Gravitational Lens Solution for the [ITAL]IRAS[/ITAL] Galaxy FSC 10214+4724. Astrophysical Journal, 1995, 450, L41-L44.	4.5	84
20	Knocking out multigene redundancies via cycles of sexual assortment and fluorescence selection. Nature Methods, 2011, 8, 159-164.	19.0	74
21	NICMOS and VLA Observations of the Gravitationally Lensed Ultraluminous BAL Quasar APM 08279+5255: Detection of a Third Image. Astronomical Journal, 1999, 118, 1922-1930.	4.7	60
22	First Results from a Photometric Survey of Strong Gravitational Lens Environments. Astrophysical Journal, 2006, 646, 85-106.	4.5	52
23	Resistance mechanisms to TP53-MDM2 inhibition identified by in vivo piggyBac transposon mutagenesis screen in an Arf ^{â^'/â^'} mouse model. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3151-3156.	7.1	48
24	The third MIT-Green Bank 5 GHz survey. Astrophysical Journal, Supplement Series, 1990, 74, 129.	7.7	40
25	The second MIT-Green Bank 5 GHz survey. Astrophysical Journal, Supplement Series, 1990, 72, 621.	7.7	38
26	Quantifying neurologic disease using biosensor measurements in-clinic and in free-living settings in multiple sclerosis. Npj Digital Medicine, 2019, 2, 123.	10.9	35
27	Inhibiting Tankyrases Sensitizes KRAS-Mutant Cancer Cells to MEK Inhibitors via FGFR2 Feedback Signaling. Cancer Research, 2014, 74, 3294-3305.	0.9	34
28	The Hubble constant from VLA measurement of the time delay in the double quasar 0957+561. Nature, 1991, 352, 43-45.	27.8	32
29	Chemical combinations elucidate pathway interactions and regulation relevant to Hepatitis C replication. Molecular Systems Biology, 2010, 6, 375.	7.2	30
30	High-Order Drug Combinations Are Required to Effectively Kill Colorectal Cancer Cells. Cancer Research, 2016, 76, 6950-6963.	0.9	30
31	RAD001 Enhances the Potency of BEZ235 to Inhibit mTOR Signaling and Tumor Growth. PLoS ONE, 2012, 7, e48548.	2.5	29
32	Optical rings: a large number of gravitational lenses?. Monthly Notices of the Royal Astronomical Society, 1992, 259, 31P-34P.	4.4	28
33	A Reassessment of the Data and Models of the Gravitational Lens Q0957+561. Astrophysical Journal, 1999, 520, 479-490.	4.5	24
34	Recurrent, Robust and Scalable Patterns Underlie Human Approach and Avoidance. PLoS ONE, 2010, 5, e10613.	2.5	22
35	Identification of Synergistic Combinations of F508del Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Modulators. Assay and Drug Development Technologies, 2010, 8, 669-684.	1.2	20
36	Reconciling the image brightness ratios in the gravitational lens system 0957 + 561. Astrophysical Journal, 1992, 387, L61.	4.5	19

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37	Therapeutic selectivity and the multi-node drug target. Discovery Medicine, 2009, 8, 185-90.	0.5	16
38	Simulating Serial-Target Antibacterial Drug Synergies Using Flux Balance Analysis. PLoS ONE, 2016, 11, e0147651.	2.5	14
39	Gene Expression Ratios Lead to Accurate and Translatable Predictors of DR5 Agonism across Multiple Tumor Lineages. PLoS ONE, 2015, 10, e0138486.	2.5	10
40	Faint radio sources and gravitational lensing. Astrophysical Journal, 1990, 353, 34.	4.5	8
41	A Meta-Analysis Approach for Characterizing Pan-Cancer Mechanisms of Drug Sensitivity in Cell Lines. PLoS ONE, 2014, 9, e103050.	2.5	7
42	Ringlike Structure in the Radio Lobe of MG 0248+0641. Astronomical Journal, 1998, 115, 37-48.	4.7	6
43	The FIRST-Optical-VLA Survey for Lensed Radio Lobes. Astronomical Journal, 2005, 130, 1977-1995.	4.7	6
44	THE CENTRAL COMPONENT OF GRAVITATIONAL LENS Q0957+561. Astronomical Journal, 2008, 135, 984-990.	4.7	1