

Petr Smirnov

List of Publications by Citations

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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.

31
papers

606
citations

12
h-index

24
g-index

41
ext. papers

948
ext. citations

12.5
avg, IF

3.83
L-index

#	Paper	IF	Citations
31	PharmacGx: an R package for analysis of large pharmacogenomic datasets. <i>Bioinformatics</i> , 2016 , 32, 1244-6	7.2	127
30	PharmacDB: an integrative database for mining in vitro anticancer drug screening studies. <i>Nucleic Acids Research</i> , 2018 , 46, D994-D1002	20.1	82
29	Dr.VAE: improving drug response prediction via modeling of drug perturbation effects. <i>Bioinformatics</i> , 2019 , 35, 3743-3751	7.2	55
28	Machine learning approaches to drug response prediction: challenges and recent progress. <i>Npj Precision Oncology</i> , 2020 , 4, 19	9.8	50
27	Revisiting inconsistency in large pharmacogenomic studies. <i>F1000Research</i> , 2016 , 5, 2333	3.6	49
26	Revisiting inconsistency in large pharmacogenomic studies. <i>F1000Research</i> , 2016 , 5, 2333	3.6	35
25	Gene isoforms as expression-based biomarkers predictive of drug response in vitro. <i>Nature Communications</i> , 2017 , 8, 1126	17.4	34
24	Disruption of the anaphase-promoting complex confers resistance to TTK inhibitors in triple-negative breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E1570-E1577	11.5	32
23	Assessment of pharmacogenomic agreement. <i>F1000Research</i> , 2016 , 5, 825	3.6	25
22	Integrative Pharmacogenomics Analysis of Patient-Derived Xenografts. <i>Cancer Research</i> , 2019 , 79, 4539-4550	15.0	18
21	Modeling Cellular Response in Large-Scale Radiogenomic Databases to Advance Precision Radiotherapy. <i>Cancer Research</i> , 2019 , 79, 6227-6237	10.1	15
20	Tissue specificity of in vitro drug sensitivity. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018 , 25, 158-166	8.6	15
19	Safikhani et al. reply. <i>Nature</i> , 2016 , 540, E6-E8	50.4	9
18	Safikhani et al. reply. <i>Nature</i> , 2016 , 540, E11-E12	50.4	8
17	Design of a HIFU array for the treatment of deep venous thrombosis: a simulation study. <i>Physics in Medicine and Biology</i> , 2017 , 62, 6108-6125	3.8	7
16	Personalized diagnosis of medulloblastoma subtypes across patients and model systems. <i>Genomics</i> , 2015 , 106, 96-106	4.3	7
15	The mevalonate pathway is an actionable vulnerability of t(4;14)-positive multiple myeloma. <i>Leukemia</i> , 2021 , 35, 796-808	10.7	6

14	Revisiting inconsistency in large pharmacogenomic studies. <i>F1000Research</i> , 5, 2333	3.6	5
13	Revisiting inconsistency in large pharmacogenomic studies		4
12	ToxicoDB: an integrated database to mine and visualize large-scale toxicogenomic datasets. <i>Nucleic Acids Research</i> , 2020, 48, W455-W462	20.1	3
11	Integrative pharmacogenomics to infer large-scale drug taxonomy		3
10	Gene isoforms as expression-based biomarkers predictive of drug response in vitro		3
9	Assessment of Genetic Drift in Large Pharmacogenomic Studies. <i>Cell Systems</i> , 2020, 11, 393-401.e2	10.6	3
8	Drug sensitivity prediction from cell line-based pharmacogenomics data: guidelines for developing machine learning models. <i>Briefings in Bioinformatics</i> , 2021, 22,	13.4	3
7	Orchestrating and sharing large multimodal data for transparent and reproducible research		2
6	Creating reproducible pharmacogenomic analysis pipelines. <i>Scientific Data</i> , 2019, 6, 166	8.2	1
5	Tissue specificity of in vitro drug sensitivity		1
4	Integrative Pharmacogenomics Analysis of Patient Derived Xenografts		1
3	Evaluation of statistical approaches for association testing in noisy drug screening data.. <i>BMC Bioinformatics</i> , 2022, 23, 188	3.6	1
2	Orchestrating and sharing large multimodal data for transparent and reproducible research. <i>Nature Communications</i> , 2021, 12, 5797	17.4	0
1	Consistency of in vitro drug sensitivities within pharmacological classes. <i>University of Toronto Journal of Undergraduate Life Sciences</i> , 2021, 15, 12	0	