

# Inna Kuperstein

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1478964/publications.pdf>

Version: 2024-02-01

27  
papers

3,690  
citations

430874

18  
h-index

526287

27  
g-index

32  
all docs

32  
docs citations

32  
times ranked

7216  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fibroblast Heterogeneity and Immunosuppressive Environment in Human Breast Cancer. <i>Cancer Cell</i> , 2018, 33, 463-479.e10.	16.8	1,074
2	Creation and analysis of biochemical constraint-based models using the COBRA Toolbox v.3.0. <i>Nature Protocols</i> , 2019, 14, 639-702.	12.0	833
3	Neurotoxicity of Alzheimer's disease A $\beta$ peptides is induced by small changes in the A $\beta$ 42 to A $\beta$ 40 ratio. <i>EMBO Journal</i> , 2010, 29, 3408-3420.	7.8	455
4	Lipids revert inert A $\beta$ amyloid fibrils to neurotoxic protofibrils that affect learning in mice. <i>EMBO Journal</i> , 2008, 27, 224-233.	7.8	303
5	The Virtual Metabolic Human database: integrating human and gut microbiome metabolism with nutrition and disease. <i>Nucleic Acids Research</i> , 2019, 47, D614-D624.	14.5	257
6	Concomitant Notch activation and p53 deletion trigger epithelial-to-mesenchymal transition and metastasis in mouse gut. <i>Nature Communications</i> , 2014, 5, 5005.	12.8	114
7	COVID-19 Disease Map, building a computational repository of SARS-CoV-2 virus-host interaction mechanisms. <i>Scientific Data</i> , 2020, 7, 136.	5.3	99
8	Systems medicine disease maps: community-driven comprehensive representation of disease mechanisms. <i>Npj Systems Biology and Applications</i> , 2018, 4, 21.	3.0	84
9	COVID19 Disease Map, a computational knowledge repository of virus-host interaction mechanisms. <i>Molecular Systems Biology</i> , 2021, 17, e10387.	7.2	53
10	NaviCell: a web-based environment for navigation, curation and maintenance of large molecular interaction maps. <i>BMC Systems Biology</i> , 2013, 7, 100.	3.0	52
11	Community-driven roadmap for integrated disease maps. <i>Briefings in Bioinformatics</i> , 2019, 20, 659-670.	6.5	48
12	A multiscale signalling network map of innate immune response in cancer reveals cell heterogeneity signatures. <i>Nature Communications</i> , 2019, 10, 4808.	12.8	44
13	Drug-Driven Synthetic Lethality: Bypassing Tumor Cell Genetics with a Combination of AsiDNA and PARP Inhibitors. <i>Clinical Cancer Research</i> , 2017, 23, 1001-1011.	7.0	39
14	The shortest path is not the one you know: application of biological network resources in precision oncology research. <i>Mutagenesis</i> , 2015, 30, 191-204.	2.6	37
15	NaviCell Web Service for network-based data visualization. <i>Nucleic Acids Research</i> , 2015, 43, W560-W565.	14.5	32
16	Network-based approaches for drug response prediction and targeted therapy development in cancer. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 386-391.	2.1	29
17	Synthetic Lethality between Gene Defects Affecting a Single Non-essential Molecular Pathway with Reversible Steps. <i>PLoS Computational Biology</i> , 2013, 9, e1003016.	3.2	26
18	The Phosphatase PRL-3 Is Involved in Key Steps of Cancer Metastasis. <i>Journal of Molecular Biology</i> , 2019, 431, 3056-3067.	4.2	21

#	ARTICLE	IF	CITATIONS
19	Application of Atlas of Cancer Signalling Network in preclinical studies. Briefings in Bioinformatics, 2019, 20, 701-716.	6.5	16
20	Signalling maps in cancer research: construction and data analysis. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	13
21	NaviCom: a web application to create interactive molecular network portraits using multi-level omics data. Database: the Journal of Biological Databases and Curation, 2017, 2017, .	3.0	12
22	Metabolic and signalling network maps integration: application to cross-talk studies and omics data analysis in cancer. BMC Bioinformatics, 2019, 20, 140.	2.6	10
23	From a Biological Hypothesis to the Construction of a Mathematical Model. Methods in Molecular Biology, 2013, 1021, 107-125.	0.9	9
24	Network biology elucidates metastatic colon cancer mechanisms. Cell Cycle, 2015, 14, 2189-2190.	2.6	6
25	Comprehensive Map of the Regulated Cell Death Signaling Network: A Powerful Analytical Tool for Studying Diseases. Cancers, 2020, 12, 990.	3.7	5
26	Gene and pathway level analyses of iCOGS variants highlight novel signaling pathways underlying familial breast cancer susceptibility. International Journal of Cancer, 2021, 148, 1895-1909.	5.1	5
27	Atlas of Cancer Signaling Network: A Resource of Multi-Scale Biological Maps to Study Disease Mechanisms. , 2021, , 490-506.		0