

Benedikt Obermayer

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,363
citations

471061

17
h-index

414034

32
g-index

38
all docs

38
docs citations

38
times ranked

3354
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of small ORFs in vertebrates using ribosome footprinting and evolutionary conservation. <i>EMBO Journal</i> , 2014, 33, 981-993.	3.5	587
2	The Translational Landscape of the Human Heart. <i>Cell</i> , 2019, 178, 242-260.e29.	13.5	407
3	Detecting actively translated open reading frames in ribosome profiling data. <i>Nature Methods</i> , 2016, 13, 165-170.	9.0	368
4	Extensive identification and analysis of conserved small ORFs in animals. <i>Genome Biology</i> , 2015, 16, 179.	3.8	180
5	Complement activation induces excessive T cell cytotoxicity in severe COVID-19. <i>Cell</i> , 2022, 185, 493-512.e25.	13.5	122
6	Single-cell RNA sequencing reveals distinct tumor microenvironmental patterns in lung adenocarcinoma. <i>Oncogene</i> , 2021, 40, 6748-6758.	2.6	70
7	Temporal omics analysis in Syrian hamsters unravel cellular effector responses to moderate COVID-19. <i>Nature Communications</i> , 2021, 12, 4869.	5.8	68
8	The prebiotic evolutionary advantage of transferring genetic information from RNA to DNA. <i>Nucleic Acids Research</i> , 2011, 39, 8135-8147.	6.5	67
9	Cascade of Reduced Speed and Accuracy after Errors in Enzyme-Free Copying of Nucleic Acid Sequences. <i>Journal of the American Chemical Society</i> , 2013, 135, 354-366.	6.6	64
10	Viral Infection Identifies Micropeptides Differentially Regulated in smORF-Containing lncRNAs. <i>Genes</i> , 2017, 8, 206.	1.0	50
11	Mitogen-activated protein kinase activity drives cell trajectories in colorectal cancer. <i>EMBO Molecular Medicine</i> , 2021, 13, e14123.	3.3	47
12	Tracing tumorigenesis in a solid tumor model at single-cell resolution. <i>Nature Communications</i> , 2020, 11, 991.	5.8	44
13	The Paradox of Dual Roles in the RNA World: Resolving the Conflict Between Stable Folding and Templating Ability. <i>Journal of Molecular Evolution</i> , 2013, 77, 55-63.	0.8	36
14	Dynamics of a semiflexible polymer or polymer ring in shear flow. <i>Physical Review E</i> , 2014, 89, 022606.	0.8	35
15	The shape of barchan dunes. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S1229-S1235.	0.7	34
16	Emergence of Information Transmission in a Prebiotic RNA Reactor. <i>Physical Review Letters</i> , 2011, 107, 018101.	2.9	24
17	Tension dynamics and viscoelasticity of extensible wormlike chains. <i>Physical Review E</i> , 2009, 80, 040801.	0.8	22
18	Freely relaxing polymers remember how they were straightened. <i>Physical Review E</i> , 2009, 79, 021804.	0.8	15

#	ARTICLE	IF	CITATIONS
19	Stress-Energy Tensor for a Massless Spin1/2Field in Static Black Hole Spacetimes. Physical Review Letters, 2003, 91, 051301.	2.9	14
20	Longitudinal response of confined semiflexible polymers. Physical Review E, 2011, 83, 021802.	0.8	14
21	Generation and characterization of a mitotane-resistant adrenocortical cell line. Endocrine Connections, 2020, 9, 122-134.	0.8	11
22	Coupling of Transverse and Longitudinal Response in Stiff Polymers. Physical Review Letters, 2007, 99, 098302.	2.9	10
23	Error thresholds for self- and cross-specific enzymatic replication. Journal of Theoretical Biology, 2010, 267, 653-662.	0.8	10
24	Inverse Ising inference with correlated samples. New Journal of Physics, 2014, 16, 123017.	1.2	10
25	Distinct immune evasion in APOBEC-enriched, HPV-negative HNSCC.	2.3	10
26	SCelVis: exploratory single cell data analysis on the desktop and in the cloud. PeerJ, 2020, 8, e8607.	0.9	8
27	Escalation of error catastrophe for enzymatic self-replicators. Europhysics Letters, 2009, 88, 48006.	0.7	7
28	Exploring the miRNA Regulatory Network Using Evolutionary Correlations. PLoS Computational Biology, 2014, 10, e1003860.	1.5	7
29	The single-cell transcriptional landscape of lung carcinoid tumors. International Journal of Cancer, 2022, 150, 2058-2071.	2.3	7
30	Long-term in vitro expansion ensures increased yield of central memory T cells as perspective for manufacturing challenges. International Journal of Cancer, 2021, 148, 3097-3110.	2.3	4
31	Periodic versus Intermittent Adaptive Cycles in Quasispecies Coevolution. Physical Review Letters, 2014, 113, 128101.	2.9	3
32	Mixed messages: Re-initiation factors regulate translation of animal mRNAs. Cell Research, 2014, 24, 1383-1384.	5.7	2
33	Long-Term T Cell Expansion Results in Increased Numbers of Central Memory T Cells with Sustained Functional Properties for Adoptive T Cell Therapy. Blood, 2019, 134, 1943-1943.	0.6	0