Dieter Beule

List of Publications by Year
in descending order

56 papers	2,179 citations	331670 21 h-index	265206 42 g-index
70 all docs	70 docs citations	70 times ranked	4221 citing authors

#	Article	IF	Citations
1	Transcriptional and Translational Differences of Microglia from Male and Female Brains. Cell Reports, 2018, 24, 2773-2783.e6.	6.4	311
2	Tumour ischaemia by interferon-Î³ resembles physiological blood vessel regression. Nature, 2017, 545, 98-102.	27.8	199
3	Extrachromosomal circular DNA drives oncogenic genome remodeling in neuroblastoma. Nature Genetics, 2020, 52, 29-34.	21.4	193
4	Maternal immune activation results in complex microglial transcriptome signature in the adult offspring that is reversed by minocycline treatment. Translational Psychiatry, 2017, 7, e1120-e1120.	4.8	167
5	Biological profiling of gene groups utilizing Gene Ontology. Genome Informatics, 2005, 16, 106-15.	0.4	141
6	DNA copy number changes define spatial patterns of heterogeneity in colorectal cancer. Nature Communications, 2017, 8, 14093.	12.8	85
7	Equation of state for hydrogen below 10000 K: From the fluid to the plasma. Physical Review B, 1999, 59, 14177-14181.	3.2	75
8	Enzymatic Dissociation Induces Transcriptional and Proteotype Bias in Brain Cell Populations. International Journal of Molecular Sciences, 2020, 21, 7944.	4.1	72
9	Single-cell RNA sequencing reveals distinct tumor microenvironmental patterns in lung adenocarcinoma. Oncogene, 2021, 40, 6748-6758.	5.9	70
10	Temporal omics analysis in Syrian hamsters unravel cellular effector responses to moderate COVID-19. Nature Communications, 2021, 12, 4869.	12.8	68
11	Evolutionary search for low autocorrelated binary sequences. IEEE Transactions on Evolutionary Computation, 1998, 2, 34-39.	10.0	65
12	let-7 MicroRNAs Regulate Microglial Function and Suppress Glioma Growth through Toll-Like Receptor 7. Cell Reports, 2019, 29, 3460-3471.e7.	6.4	64
13	Increased risk of severe clinical course of COVID-19 in carriers of HLA-C*04:01. EClinicalMedicine, 2021, 40, 101099.	7.1	52
14	Mitogenâ€activated protein kinase activity drives cell trajectories in colorectal cancer. EMBO Molecular Medicine, 2021, 13, e14123.	6.9	47
15	Adipose tissue ATGL modifies the cardiac lipidome in pressure-overload-induced left ventricular failure. PLoS Genetics, 2018, 14, e1007171.	3.5	42
16	Adolescence is a sensitive period for prefrontal microglia to act on cognitive development. Science Advances, 2022, 8, eabi6672.	10.3	40
17	VarFish: comprehensive DNA variant analysis for diagnostics and research. Nucleic Acids Research, 2020, 48, W162-W169.	14.5	39
18	Modeling chemotherapy induced neurotoxicity with human induced pluripotent stem cell (iPSC) -derived sensory neurons. Neurobiology of Disease, 2021, 155, 105391.	4.4	31

#	ARTICLE	IF	CITATIONS
19	Targeted panel sequencing in pediatric primary cardiomyopathy supports a critical role of <i>TNNI3</i>. Clinical Genetics, 2019, 96, 549-559.	2.0	28
20	Protein Synthesis in the Developing Neocortex at Near-Atomic Resolution Reveals Ebp1-Mediated Neuronal Proteostasis at the 60S Tunnel Exit. Molecular Cell, 2021, 81, 304-322.e16.	9.7	27
21	Pathogenic Variants Associated With Dilated Cardiomyopathy Predict Outcome in Pediatric Myocarditis. Circulation Genomic and Precision Medicine, 2021, 14, e003250.	3.6	27
22	Isentropes and Hugoniot curves for dense hydrogen and deuterium. Physical Review E, 2001, 63, 060202.	2.1	25
23	Extracting information from cDNA arrays. Chaos, 2001, 11, 98.	2.5	23
24	Multisite de novo mutations in human offspring after paternal exposure to ionizing radiation. Scientific Reports, 2018, 8, 14611.	3.3	22
25	Concepts and Software Package for Efficient Quality Control in Targeted Metabolomics Studies: MeTaQuaC. Analytical Chemistry, 2020, 92, 10241-10245.	6.5	22
26	WiPP: Workflow for Improved Peak Picking for Gas Chromatography-Mass Spectrometry (GC-MS) Data. Metabolites, 2019, 9, 171.	2.9	19
27	Global analysis of host tissue gene expression in the invasive front of colorectal liver metastases. International Journal of Cancer, 2006, 118, 74-89.	5.1	18
28	Adiabatic equation of state and ionization equilibrium of dense plasma. Physica A: Statistical Mechanics and Its Applications, 1997, 241, 719-728.	2.6	15
29	An exploratory investigation of brain collateral circulation plasticity after cerebral ischemia in two experimental C57BL/6 mouse models. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 276-287.	4.3	15
30	Paroxysmal tonic upgaze: A heterogeneous clinical condition responsive to carbonic anhydrase inhibition. European Journal of Paediatric Neurology, 2020, 25, 181-186.	1.6	12
31	Investigating APOE, APP-AÎ² metabolism genes and Alzheimerâ€™s disease GWAS hits in brain small vessel ischemic disease. Scientific Reports, 2020, 10, 7103.	3.3	12
32	Multiplexed Quantification of Four Neuroblastoma DNA Targets in a Single Droplet Digital PCR Reaction. Journal of Molecular Diagnostics, 2020, 22, 1309-1323.	2.8	11
33	Generation and characterization of a mitotane-resistant adrenocortical cell line. Endocrine Connections, 2020, 9, 122-134.	1.9	11
34	Distinct immune evasion in <scp>APOBEC</scp>â€enriched, <scp>HPV</scp>â€negative <scp>HNSCC</scp>. International Journal of Cancer, 2020, 147, 2293-2302.	5.1	10
35	Reflection of neuroblastoma intratumor heterogeneity in the new OHCâ€NB1 disease model. International Journal of Cancer, 2020, 146, 1031-1041.	5.1	9
36	The Anti-amyloid Compound DO1 Decreases Plaque Pathology and Neuroinflammation-Related Expression Changes in 5xFAD Transgenic Mice. Cell Chemical Biology, 2019, 26, 109-120.e7.	5.2	8

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37	SCelVis: exploratory single cell data analysis on the desktop and in the cloud. PeerJ, 2020, 8, e8607.	2.0	8
38	The single‐cell transcriptional landscape of lung carcinoid tumors. International Journal of Cancer, 2022, 150, 2058-2071.	5.1	7
39	Simulation of Ionization-Front Propagation in Dense Plasma by Markoff Automata. Zeitschrift Fur Physikalische Chemie, 1998, 204, 1-17.	2.8	6
40	SODAR Core: a Django-based framework for scientific data management and analysis web apps. Journal of Open Source Software, 2020, 5, 1584.	4.6	6
41	AltamISA: a Python API for ISA-Tab files. Journal of Open Source Software, 2019, 4, 1610.	4.6	6
42	Stochastic kinetics of electron transitions in nonideal plasmas. Physica B: Condensed Matter, 1996, 228, 140-143.	2.7	5
43	Biomarker Discovery and Redundancy Reduction towards Classification using a Multi-factorial MALDI-TOF MS T2DM Mouse Model Dataset. BMC Bioinformatics, 2011, 12, 140.	2.6	5
44	Neuroblastoma signalling models unveil combination therapies targeting feedback-mediated resistance. PLoS Computational Biology, 2021, 17, e1009515.	3.2	5
45	Highly multiplexed immune repertoire sequencing links multiple lymphocyte classes with severity of response to COVID-19. EClinicalMedicine, 2022, 48, 101438.	7.1	5
46	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.	5.1	4
47	Depletion of cardiac cardiolipin synthase alters systolic and diastolic function. IScience, 2021, 24, 103314.	4.1	4
48	Digestiflow: from BCL to FASTQ with ease. Bioinformatics, 2019, , .	4.1	3
49	VCFPy: a Python 3 library with good support for both reading and writing VCF. Journal of Open Source Software, 2016, 1, 85.	4.6	3
50	Pathogenic Variants in Cardiomyopathy Disorder Genes Underlie Pediatric Myocarditis—Further Impact of Heterozygous Immune Disorder Gene Variants?. Journal of Cardiovascular Development and Disease, 2022, 9, 216.	1.6	3
51	PHACTR1 genetic variability is not critical in small vessel ischemic disease patients and PcomA recruitment in C57BL/6J mice. Scientific Reports, 2021, 11, 6072.	3.3	2
52	Shared and oppositely regulated transcriptomic signatures in Huntington's disease and brain ischemia confirm known and unveil novel potential neuroprotective genes. Neurobiology of Aging, 2021, 104, 122.e1-122.e17.	3.1	2
53	Dataset for: Modeling chemotherapy induced neurotoxicity with human induced pluripotent stem cell (iPSC)-derived sensory neurons. Data in Brief, 2021, 38, 107320.	1.0	2
54	HLA-MA: simple yet powerful matching of samples using HLA typing results. Bioinformatics, 2017, 33, 2241-2242.	4.1	0

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55	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.	1.4	0
56	Handling and Interpreting Gene Groups. , 2007, , 69-84.		0