Martin Kampmann

List of Publications by Year
in descending order

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72	9,245	76196	95083
papers	citations	40 h-index	68 g-index

109	109	109	14074
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genome-Scale CRISPR-Mediated Control of Gene Repression and Activation. Cell, 2014, 159, 647-661.	13.5	2,176
2	Compact and highly active next-generation libraries for CRISPR-mediated gene repression and activation. ELife, 2016, 5, .	2.8	609
3	Mitochondrial stress is relayed to the cytosol by an OMA1â€“DELE1â€“HRI pathway. Nature, 2020, 579, 427-432.	13.7	343
4	A Systematic Mammalian Genetic Interaction Map Reveals Pathways Underlying Ricin Susceptibility. Cell, 2013, 152, 909-922.	13.5	332
5	LRP1 is a master regulator of tau uptake and spread. Nature, 2020, 580, 381-385.	13.7	326
6	Targeting the AAA ATPase p97 as an Approach to Treat Cancer through Disruption of Protein Homeostasis. Cancer Cell, 2015, 28, 653-665.	7.7	319
7	Genome-wide programmable transcriptional memory by CRISPR-based epigenome editing. Cell, 2021, 184, 2503-2519.e17.	13.5	312
8	CRISPR Interference-Based Platform for Multimodal Genetic Screens in Human iPSC-Derived Neurons. Neuron, 2019, 104, 239-255.e12.	3.8	288
9	CRISPRi and CRISPRa Screens in Mammalian Cells for Precision Biology and Medicine. ACS Chemical Biology, 2018, 13, 406-416.	1.6	248
10	Molecular characterization of selectively vulnerable neurons in Alzheimerâ€™s disease. Nature Neuroscience, 2021, 24, 276-287.	7.1	238
11	Mapping the Genetic Landscape of Human Cells. Cell, 2018, 174, 953-967.e22.	13.5	226
12	Pharmacological dimerization and activation of the exchange factor eIF2B antagonizes the integrated stress response. ELife, 2015, 4, e07314.	2.8	212
13	Combined CRISPRi/a-Based Chemical Genetic Screens Reveal that Rigosertib Is a Microtubule-Destabilizing Agent. Molecular Cell, 2017, 68, 210-223.e6.	4.5	197
14	Heterochromatin anomalies and double-stranded RNA accumulation underlie C9orf72 poly(PR) toxicity. Science, 2019, 363, .	6.0	181
15	The mTOR Complex Controls HIV Latency. Cell Host and Microbe, 2016, 20, 785-797.	5.1	179
16	Probing the Global Cellular Responses to Lipotoxicity Caused by Saturated Fatty Acids. Molecular Cell, 2019, 74, 32-44.e8.	4.5	170
17	Genome-wide CRISPRi/a screens in human neurons link lysosomal failure to ferroptosis. Nature Neuroscience, 2021, 24, 1020-1034.	7.1	170
18	Tau Internalization is Regulated by 6-O Sulfation on Heparan Sulfate Proteoglycans (HSPGs). Scientific Reports, 2018, 8, 6382.	1.6	162

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19	Parallel shRNA and CRISPR-Cas9 screens enable antiviral drug target identification. Nature Chemical Biology, 2016, 12, 361-366.	3.9	157
20	Integrated platform for genome-wide screening and construction of high-density genetic interaction maps in mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2317-26.	3.3	121
21	Dual gene activation and knockout screen reveals directional dependencies in genetic networks. Nature Biotechnology, 2018, 36, 170-178.	9.4	120
22	Three-dimensional structure and flexibility of a membrane-coating module of the nuclear pore complex. Nature Structural and Molecular Biology, 2009, 16, 782-788.	3.6	113
23	The Psychiatric Cell Map Initiative: A Convergent Systems Biological Approach to Illuminating Key Molecular Pathways in Neuropsychiatric Disorders. Cell, 2018, 174, 505-520.	13.5	108
24	Validation of the Hsp70â€“Bag3 Proteinâ€“Protein Interaction as a Potential Therapeutic Target in Cancer. Molecular Cancer Therapeutics, 2015, 14, 642-648.	1.9	105
25	Compromised function of the ESCRT pathway promotes endolysosomal escape of tau seeds and propagation of tau aggregation. Journal of Biological Chemistry, 2019, 294, 18952-18966.	1.6	103
26	CRISPR-based functional genomics for neurological disease. Nature Reviews Neurology, 2020, 16, 465-480.	4.9	89
27	Paradoxical resistance of multiple myeloma to proteasome inhibitors by decreased levels of 19S proteasomal subunits. ELife, 2015, 4, e08153.	2.8	84
28	Next-generation libraries for robust RNA interference-based genome-wide screens. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3384-91.	3.3	83
29	Mapping the orientation of nuclear pore proteins in living cells with polarized fluorescence microscopy. Nature Structural and Molecular Biology, 2011, 18, 643-649.	3.6	81
30	Functional genomics platform for pooled screening and generation of mammalian genetic interaction maps. Nature Protocols, 2014, 9, 1825-1847.	5.5	79
31	Next-Generation NAMPT Inhibitors Identified by Sequential High-Throughput Phenotypic Chemical and Functional Genomic Screens. Chemistry and Biology, 2013, 20, 1352-1363.	6.2	72
32	Reverse gyrase has heat-protective DNA chaperone activity independent of supercoiling. Nucleic Acids Research, 2004, 32, 3537-3545.	6.5	70
33	Gene expression and cell identity controlled by anaphase-promoting complex. Nature, 2020, 579, 136-140.	13.7	69
34	Deep mutational scanning reveals the structural basis for Î±-synuclein activity. Nature Chemical Biology, 2020, 16, 653-659.	3.9	67
35	A Comprehensive Resource for Induced Pluripotent Stem Cells from Patients with Primary Tauopathies. Stem Cell Reports, 2019, 13, 939-955.	2.3	62
36	Structure of a trimeric nucleoporin complex reveals alternate oligomerization states. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17693-17698.	3.3	57

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37	Fluorescence Anisotropy Reveals Order and Disorder of Protein Domains in the Nuclear Pore Complex. Biophysical Journal, 2010, 99, 1706-1717.	0.2	54
38	Suppression of B-cell development genes is key to glucocorticoid efficacy in treatment of acute lymphoblastic leukemia. Blood, 2017, 129, 3000-3008.	0.6	48
39	Image-based pooled whole-genome CRISPRi screening for subcellular phenotypes. Journal of Cell Biology, 2021, 220, .	2.3	48
40	A high-throughput screen of real-time ATP levels in individual cells reveals mechanisms of energy failure. PLoS Biology, 2018, 16, e2004624.	2.6	47
41	BRD2 inhibition blocks SARS-CoV-2 infection by reducing transcription of the host cell receptor ACE2. Nature Cell Biology, 2022, 24, 24-34.	4.6	47
42	Ceapins block the unfolded protein response sensor ATF6Î± by inducing a neomorphic inter-organelle tether. ELife, 2019, 8, .	2.8	46
43	Unraveling the mechanism of cell death induced by chemical fibrils. Nature Chemical Biology, 2014, 10, 969-976.	3.9	43
44	A CRISPR Approach to Neurodegenerative Diseases. Trends in Molecular Medicine, 2017, 23, 483-485.	3.5	41
45	CRISPR-based screens uncover determinants of immunotherapy response in multiple myeloma. Blood Advances, 2020, 4, 2899-2911.	2.5	36
46	Knocking out the door to tunicamycin entry. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11731-11732.	3.3	32
47	Relapse-associated AURKB blunts the glucocorticoid sensitivity of B cell acute lymphoblastic leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3052-3061.	3.3	32
48	Obstacle Bypass in Protein Motion along DNA by Two-dimensional Rather than One-dimensional Sliding. Journal of Biological Chemistry, 2004, 279, 38715-38720.	1.6	31
49	Conserved Spatial Organization of FG Domains in the Nuclear Pore Complex. Biophysical Journal, 2013, 104, 37-50.	0.2	31
50	Weak base pairing in both seed and 3â€² regions reduces RNAi off-targets and enhances si/shRNA designs. Nucleic Acids Research, 2014, 42, 12169-12176.	6.5	27
51	Elucidating drug targets and mechanisms of action by genetic screens in mammalian cells. Chemical Communications, 2017, 53, 7162-7167.	2.2	26
52	Pharmaceutical-Grade Rigosertib Is a Microtubule-Destabilizing Agent. Molecular Cell, 2020, 79, 191-198.e3.	4.5	22
53	Facilitated diffusion in chromatin lattices: mechanistic diversity and regulatory potential. Molecular Microbiology, 2005, 57, 889-899.	1.2	20
54	Genome-wide CRISPRi screening identifies OCIAD1 as a prohibitin client and regulatory determinant of mitochondrial Complex III assembly in human cells. ELife, 2021, 10, .	2.8	20

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55	NudC guides client transfer between the Hsp40/70 and Hsp90 chaperone systems. Molecular Cell, 2022, 82, 555-569.e7.	4.5	20
56	CRISPulator: a discrete simulation tool for pooled genetic screens. BMC Bioinformatics, 2017, 18, 347.	1.2	19
57	Extending chemical perturbations of the ubiquitin fitness landscape in a classroom setting reveals new constraints on sequence tolerance. Biology Open, 2018, 7, .	0.6	17
58	Defining the ATPome reveals cross-optimization of metabolic pathways. Nature Communications, 2020, 11, 4319.	5.8	17
59	A high-throughput CRISPR interference screen for dissecting functional regulators of GPCR/cAMP signaling. PLoS Genetics, 2020, 16, e1009103.	1.5	15
60	Use of RNA Tertiary Interaction Modules for the Crystallisation of the Spliceosomal snRNP Core Domain. Journal of Molecular Biology, 2010, 402, 154-164.	2.0	11
61	Robust Sequence Determinants of Î±-Synuclein Toxicity in Yeast Implicate Membrane Binding. ACS Chemical Biology, 2020, 15, 2137-2153.	1.6	9
62	CRISPR-based genetic interaction maps inform therapeutic strategies in cancer. Translational Cancer Research, 2018, 7, S61-S67.	0.4	8
63	Patterns of neuronal Rhes as a novel hallmark of tauopathies. Acta Neuropathologica, 2021, 141, 651-666.	3.9	6
64	Selective vulnerabilities in the proteostasis network of castration-resistant prostate cancer. Cell Chemical Biology, 2022, 29, 490-501.e4.	2.5	6
65	Functional genomics screen identifies proteostasis targets that modulate prion protein (PrP) stability. Cell Stress and Chaperones, 2021, 26, 443-452.	1.2	5
66	Nascent Proteins Caught in the Act. Science, 2009, 326, 1352-1353.	6.0	4
67	Phenotypic Screening Using High-Content Imaging to Identify Lysosomal pH Modulators in a Neuronal Cell Model. ACS Chemical Neuroscience, 2022, , .	1.7	3
68	A highâ€throughput CRISPR interference screen for dissecting functional regulators of GPCR/cAMP signaling. FASEB Journal, 2021, 35, .	0.2	1
69	Conversations with LGBT+ scientists about visibility, leadership and climbing the career ladder. Journal of Cell Science, 2022, 135, .	1.2	1
70	Pre-Clinical Activity of the Novel, First-in-Class p97 Inhibitor, CB-5083, in Multiple Myeloma. Blood, 2014, 124, 4701-4701.	0.6	0
71	Functional Multi-Omics Reveals Genetic and Pharmacologic Regulation of Surface CD38 in Multiple Myeloma. Blood, 2021, 138, 2648-2648.	0.6	0
72	CRISPR-Based Screening for Stress Response Factors in Mammalian Cells. Methods in Molecular Biology, 2022, 2428, 19-40.	0.4	0