

# Thijn R Brummelkamp

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3864024/publications.pdf>

Version: 2024-02-01

84  
papers

23,793  
citations

23544

58  
h-index

58549

82  
g-index

87  
all docs

87  
docs citations

87  
times ranked

32183  
citing authors

#	ARTICLE	IF	CITATIONS
1	Posttranslational modification of microtubules by the MATCAP de tyrosinase. <i>Science</i> , 2022, 376, eabn6020.	6.0	33
2	E3 ubiquitin ligase Mindbomb 1 facilitates nuclear delivery of adenovirus genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
3	Quantitative genetic screening reveals a Ragulator-FLCN feedback loop that regulates the mTORC1 pathway. <i>Science Signaling</i> , 2020, 13, .	1.6	7
4	<i>ATRAID</i> regulates the action of nitrogen-containing bisphosphonates on bone. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	15
5	Crystal structure of the tubulin tyrosine carboxypeptidase complex VASH1â€“SVBP. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 567-570.	3.6	28
6	BRCA2 deficiency instigates cGAS-mediated inflammatory signaling and confers sensitivity to tumor necrosis factor-alpha-mediated cytotoxicity. <i>Nature Communications</i> , 2019, 10, 100.	5.8	91
7	Glutaminy cyclase is an enzymatic modifier of the CD47- SIRPÎ± axis and a target for cancer immunotherapy. <i>Nature Medicine</i> , 2019, 25, 612-619.	15.2	156
8	SLFN11 can sensitize tumor cells towards IFN-Î³-mediated T cell killing. <i>PLoS ONE</i> , 2019, 14, e0212053.	1.1	33
9	The Tubulin Detyrosination Cycle: Function and Enzymes. <i>Trends in Cell Biology</i> , 2019, 29, 80-92.	3.6	78
10	KREMEN1 Is a Host Entry Receptor for a Major Group of Enteroviruses. <i>Cell Host and Microbe</i> , 2018, 23, 636-643.e5.	5.1	69
11	Protocadherin-1 is essential for cell entry by New World hantaviruses. <i>Nature</i> , 2018, 563, 559-563.	13.7	84
12	LZTR1 is a regulator of RAS ubiquitination and signaling. <i>Science</i> , 2018, 362, 1171-1177.	6.0	142
13	Nedd4-Binding Protein 1 and TNFAIP3-Interacting Protein 1 Control MHC-1 Display in Neuroblastoma. <i>Cancer Research</i> , 2018, 78, 6621-6631.	0.4	42
14	Viral escape from endosomes and host detection at a glance. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	107
15	Haploid genetic screens identify genetic vulnerabilities to microtubuleâ€“targeting agents. <i>Molecular Oncology</i> , 2018, 12, 953-971.	2.1	12
16	PLA2G16 represents a switch between entry and clearance of Picornaviridae. <i>Nature</i> , 2017, 541, 412-416.	13.7	168
17	Genetic wiring maps of single-cell protein states reveal an off-switch for GPCR signalling. <i>Nature</i> , 2017, 546, 307-311.	13.7	115
18	Diverse Viruses Require the Calcium Transporter SPCA1 for Maturation and Spread. <i>Cell Host and Microbe</i> , 2017, 22, 460-470.e5.	5.1	52

#	ARTICLE	IF	CITATIONS
19	Haploid Mammalian Genetic Screen Identifies UBXD8 as a Key Determinant of HMGR Degradation and Cholesterol Biosynthesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 2064-2074.	1.1	25
20	A haploid mammalian genetic screen identifies UBXD8 as a key determinant of sterol-stimulated degradation of HMGR and cholesterol synthesis. <i>Atherosclerosis</i> , 2017, 263, e89.	0.4	1
21	Identification of CMTM6 and CMTM4 as PD-L1 protein regulators. <i>Nature</i> , 2017, 549, 106-110.	13.7	501
22	Vasohibins encode tubulin detyrosinating activity. <i>Science</i> , 2017, 358, 1453-1456.	6.0	185
23	NRP2 and CD63 Are Host Factors for Lujo Virus Cell Entry. <i>Cell Host and Microbe</i> , 2017, 22, 688-696.e5.	5.1	108
24	A Haploid Genetic Screen Identifies Heparan Sulfate Proteoglycans Supporting Rift Valley Fever Virus Infection. <i>Journal of Virology</i> , 2016, 90, 1414-1423.	1.5	103
25	Enterovirus D68 receptor requirements unveiled by haploid genetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1399-1404.	3.3	86
26	Subunit composition of VRAC channels determines substrate specificity and cellular resistance to P-tâ€based anti-cancer drugs. <i>EMBO Journal</i> , 2015, 34, 2993-3008.	3.5	209
27	Emerging intracellular receptors for hemorrhagic fever viruses. <i>Trends in Microbiology</i> , 2015, 23, 392-400.	3.5	42
28	Haploid Genetic Screen Reveals a Profound and Direct Dependence on Cholesterol for Hantavirus Membrane Fusion. <i>MBio</i> , 2015, 6, e00801.	1.8	100
29	A generic strategy for CRISPR-Cas9-mediated gene tagging. <i>Nature Communications</i> , 2015, 6, 10237.	5.8	176
30	Human ISPD Is a Cytidyltransferase Required for Dystroglycan O-Mannosylation. <i>Chemistry and Biology</i> , 2015, 22, 1643-1652.	6.2	67
31	A HUSH for transgene expression. <i>Science</i> , 2015, 348, 1433-1434.	6.0	7
32	Genome-Wide Identification and Characterization of Novel Factors Conferring Resistance to Topoisomerase II Poisons in Cancer. <i>Cancer Research</i> , 2015, 75, 4176-4187.	0.4	59
33	Gene essentiality and synthetic lethality in haploid human cells. <i>Science</i> , 2015, 350, 1092-1096.	6.0	773
34	Niemann-Pick C1 Is Essential for Ebolavirus Replication and Pathogenesis <i>In Vivo</i> . <i>MBio</i> , 2015, 6, e00565-15.	1.8	65
35	Compromising the 19S proteasome complex protects cells from reduced flux through the proteasome. <i>ELife</i> , 2015, 4, .	2.8	67
36	LRP1 is a receptor for <i>Clostridium perfringens</i> TpeL toxin indicating a two-receptor model of clostridial glycosylating toxins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6431-6436.	3.3	82

#	ARTICLE	IF	CITATIONS
37	Megabase-scale deletion using CRISPR/Cas9 to generate a fully haploid human cell line. <i>Genome Research</i> , 2014, 24, 2059-2065.	2.4	238
38	The solute carrier SLC35F2 enables YM155-mediated DNA damage toxicity. <i>Nature Chemical Biology</i> , 2014, 10, 768-773.	3.9	157
39	USP9X Downregulation Renders Breast Cancer Cells Resistant to Tamoxifen. <i>Cancer Research</i> , 2014, 74, 3810-3820.	0.4	38
40	Lassa virus entry requires a trigger-induced receptor switch. <i>Science</i> , 2014, 344, 1506-1510.	6.0	251
41	GPR107, a G-protein-coupled Receptor Essential for Intoxication by <i>Pseudomonas aeruginosa</i> Exotoxin A, Localizes to the Golgi and Is Cleaved by Furin. <i>Journal of Biological Chemistry</i> , 2014, 289, 24005-24018.	1.6	54
42	Inhibition of ATPIF1 Ameliorates Severe Mitochondrial Respiratory Chain Dysfunction in Mammalian Cells. <i>Cell Reports</i> , 2014, 7, 27-34.	2.9	62
43	Caspase-mediated cleavage of phospholipid flippase for apoptotic phosphatidylserine exposure. <i>Science</i> , 2014, 344, 1164-1168.	6.0	425
44	Cellular Reprogramming Erases Aberrant DNA Methylation and the Malignant Phenotype in Chronic Myeloid Leukemia. <i>Blood</i> , 2014, 124, 4524-4524.	0.6	0
45	A reversible gene trap collection empowers haploid genetics in human cells. <i>Nature Methods</i> , 2013, 10, 965-971.	9.0	90
46	A CREB3-ARF4 signalling pathway mediates the response to Golgi stress and susceptibility to pathogens. <i>Nature Cell Biology</i> , 2013, 15, 1473-1485.	4.6	135
47	MCT1-mediated transport of a toxic molecule is an effective strategy for targeting glycolytic tumors. <i>Nature Genetics</i> , 2013, 45, 104-108.	9.4	204
48	Elucidating the molecular mechanism of action of cancer drugs in the second decade of the new millennium. <i>Experimental Hematology</i> , 2013, 41, S9.	0.2	0
49	Deciphering the Glycosylome of Dystroglycanopathies Using Haploid Screens for Lassa Virus Entry. <i>Science</i> , 2013, 340, 479-483.	6.0	262
50	Late endosomal transport and tethering are coupled processes controlled by RILP and the cholesterol sensor ORP1L. <i>Journal of Cell Science</i> , 2013, 126, 3462-74.	1.2	149
51	Cathepsin-mediated Necrosis Controls the Adaptive Immune Response by Th2 (T helper type 2)-associated Adjuvants. <i>Journal of Biological Chemistry</i> , 2013, 288, 7481-7491.	1.6	66
52	A Reporter Screen in a Human Haploid Cell Line Identifies CYLD as a Constitutive Inhibitor of NF- $\kappa$ B. <i>PLoS ONE</i> , 2013, 8, e70339.	1.1	34
53	Ebola virus entry requires the host-programmed recognition of an intracellular receptor. <i>EMBO Journal</i> , 2012, 31, 1947-1960.	3.5	284
54	Attachment of <i>Chlamydia trachomatis</i> L2 to host cells requires sulfation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10059-10064.	3.3	46

#	ARTICLE	IF	CITATIONS
55	Yap1 Acts Downstream of $\beta$ -Catenin to Control Epidermal Proliferation. <i>Cell</i> , 2011, 144, 782-795.	13.5	923
56	Ebola virus entry requires the cholesterol transporter Niemann-Pick C1. <i>Nature</i> , 2011, 477, 340-343.	13.7	1,127
57	Global gene disruption in human cells to assign genes to phenotypes by deep sequencing. <i>Nature Biotechnology</i> , 2011, 29, 542-546.	9.4	207
58	Lipolysis-stimulated lipoprotein receptor (LSR) is the host receptor for the binary toxin <i>Clostridium difficile</i> transferase (CDT). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16422-16427.	3.3	175
59	Identification of host cell factors required for intoxication through use of modified cholera toxin. <i>Journal of Cell Biology</i> , 2011, 195, 751-764.	2.3	61
60	A haploid genetic screen identifies the major facilitator domain containing 2A (MFSD2A) transporter as a key mediator in the response to tunicamycin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11756-11765.	3.3	90
61	Generation of iPSCs from cultured human malignant cells. <i>Blood</i> , 2010, 115, 4039-4042.	0.6	206
62	A Mitotic Phosphorylation Feedback Network Connects Cdk1, Plk1, 53BP1, and Chk2 to Inactivate the G2/M DNA Damage Checkpoint. <i>PLoS Biology</i> , 2010, 8, e1000287.	2.6	201
63	Haploid Genetic Screens in Human Cells Identify Host Factors Used by Pathogens. <i>Science</i> , 2009, 326, 1231-1235.	6.0	452
64	Regulation of progenitor cell proliferation and granulocyte function by microRNA-223. <i>Nature</i> , 2008, 451, 1125-1129.	13.7	1,097
65	Suppression of the p53-Dependent Replicative Senescence Response by Lysophosphatidic Acid Signaling. <i>Molecular Cancer Research</i> , 2008, 6, 1452-1460.	1.5	24
66	Oncogenic BRAF Regulates Melanoma Proliferation through the Lineage Specific Factor MITF. <i>PLoS ONE</i> , 2008, 3, e2734.	1.1	226
67	YAP1 Increases Organ Size and Expands Undifferentiated Progenitor Cells. <i>Current Biology</i> , 2007, 17, 2054-2060.	1.8	1,091
68	An shRNA barcode screen provides insight into cancer cell vulnerability to MDM2 inhibitors. <i>Nature Chemical Biology</i> , 2006, 2, 202-206.	3.9	196
69	shRNA libraries and their use in cancer genetics. <i>Nature Methods</i> , 2006, 3, 701-706.	9.0	116
70	Functional Annotation of Deubiquitinating Enzymes Using RNA Interference. <i>Methods in Enzymology</i> , 2005, 398, 554-567.	0.4	7
71	The Deubiquitinating Enzyme USP1 Regulates the Fanconi Anemia Pathway. <i>Molecular Cell</i> , 2005, 17, 331-339.	4.5	510
72	A Genomic and Functional Inventory of Deubiquitinating Enzymes. <i>Cell</i> , 2005, 123, 773-786.	13.5	1,593

#	ARTICLE	IF	CITATIONS
73	Human Immunodeficiency Virus Type 1 Escapes from RNA Interference-Mediated Inhibition. <i>Journal of Virology</i> , 2004, 78, 2601-2605.	1.5	426
74	E2F-7: a distinctive E2F family member with an unusual organization of DNA-binding domains. <i>Oncogene</i> , 2004, 23, 5138-5150.	2.6	93
75	A large-scale RNAi screen in human cells identifies new components of the p53 pathway. <i>Nature</i> , 2004, 428, 431-437.	13.7	955
76	Survivin is required for a sustained spindle checkpoint arrest in response to lack of tension. <i>EMBO Journal</i> , 2003, 22, 2934-2947.	3.5	269
77	Loss of the cylindromatosis tumour suppressor inhibits apoptosis by activating NF- $\kappa$ B. <i>Nature</i> , 2003, 424, 797-801.	13.7	1,071
78	Specific inhibition of gene expression using a stably integrated, inducible small interfering RNA vector. <i>EMBO Reports</i> , 2003, 4, 609-615.	2.0	489
79	New tools for functional mammalian cancer genetics. <i>Nature Reviews Cancer</i> , 2003, 3, 781-789.	12.8	259
80	TBX-3, the Gene Mutated in Ulnar-Mammary Syndrome, Is a Negative Regulator of p19 and Inhibits Senescence. <i>Journal of Biological Chemistry</i> , 2002, 277, 6567-6572.	1.6	140
81	A senescence rescue screen identifies BCL6 as an inhibitor of anti-proliferative p19ARF-p53 signaling. <i>Genes and Development</i> , 2002, 16, 681-686.	2.7	132
82	A System for Stable Expression of Short Interfering RNAs in Mammalian Cells. <i>Science</i> , 2002, 296, 550-553.	6.0	4,098
83	Stable suppression of tumorigenicity by virus-mediated RNA interference. <i>Cancer Cell</i> , 2002, 2, 243-247.	7.7	1,067
84	A functional screen identifies hDRIL1 as an oncogene that rescues RAS-induced senescence. <i>Nature Cell Biology</i> , 2002, 4, 148-153.	4.6	98