

# Christian Beisel

## List of Publications by Year in descending order

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110  
papers

7,727  
citations

98825

36  
h-index

61462

81  
g-index

134  
all docs

134  
docs citations

134  
times ranked

19130  
citing authors

#	ARTICLE	IF	CITATIONS
1	Swiss public health measures associated with reduced SARS-CoV-2 transmission using genome data. <i>Science Translational Medicine</i> , 2023, 15, .	13.4	18
2	Factors Associated with Morbidity and Mortality Among Sexually Active Asian Adolescents and Young Adults with Perinatally Acquired HIV. <i>AIDS Research and Human Retroviruses</i> , 2023, 39, 285-293.	1.2	2
3	The relative transmission fitness of multidrug-resistant <i>Mycobacterium tuberculosis</i> in a drug resistance hotspot. <i>Nature Communications</i> , 2023, 14, .	13.2	26
4	Dynamic thresholding and tissue dissociation optimization for CITE-seq identifies differential surface protein abundance in metastatic melanoma. <i>Communications Biology</i> , 2023, 6, .	4.5	3
5	Detection of isoforms and genomic alterations by high-throughput full-length single-cell RNA sequencing in ovarian cancer. <i>Nature Communications</i> , 2023, 14, .	13.2	5
6	Large-scale phylogenomics of the genus <i>Macrostomum</i> (Platyhelminthes) reveals cryptic diversity and novel sexual traits. <i>Molecular Phylogenetics and Evolution</i> , 2022, 166, 107296.	2.9	15
7	DeepSARS: simultaneous diagnostic detection and genomic surveillance of SARS-CoV-2. <i>BMC Genomics</i> , 2022, 23, 289.	2.9	5
8	Tracking and characterization of partial and full epithelial-mesenchymal transition cells in a mouse model of metastatic breast cancer. <i>STAR Protocols</i> , 2022, 3, 101438.	0.7	1
9	Determining In-Situ Stress State by Anelastic Strain Recovery Method Beneath Xiamen: Implications for the Coastal Region of Southeastern China. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 5687-5703.	5.3	7
10	Early detection and surveillance of SARS-CoV-2 genomic variants in wastewater using COJAC. <i>Nature Microbiology</i> , 2022, 7, 1151-1160.	13.1	103
11	Current Attitudes Toward Neuroanatomy: A Comparative Cross-Sectional Survey of Neurosurgeons from the United Kingdom and Worldwide. <i>World Neurosurgery</i> , 2022, 166, e607-e623.	1.5	0
12	Live slow-frozen human tumor tissues viable for 2D, 3D, ex vivo cultures and single-cell RNAseq. <i>Communications Biology</i> , 2022, 5, .	4.5	4
13	Temporal and sequential transcriptional dynamics define lineage shifts in corticogenesis. <i>EMBO Journal</i> , 2022, 41, .	8.2	6
14	Local adaptation in populations of <i>Mycobacterium tuberculosis</i> endemic to the Indian Ocean Rim. <i>F1000Research</i> , 2021, 10, 60.	1.6	15
15	Phylogenomics of <i>Mycobacterium africanum</i> reveals a new lineage and a complex evolutionary history. <i>Microbial Genomics</i> , 2021, 7, .	2.1	87
16	Detection and Genome Sequencing of SARS-CoV-2 in a Domestic Cat with Respiratory Signs in Switzerland. <i>Viruses</i> , 2021, 13, 496.	3.4	57
17	Local adaptation in populations of <i>Mycobacterium tuberculosis</i> endemic to the Indian Ocean Rim. <i>F1000Research</i> , 2021, 10, 60.	1.6	29
18	Oncolytic virotherapy-mediated anti-tumor response: a single-cell perspective. <i>Cancer Cell</i> , 2021, 39, 394-406.e4.	16.8	79

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19	The Tumor Profiler Study: integrated, multi-omic, functional tumor profiling for clinical decision support. <i>Cancer Cell</i> , 2021, 39, 288-293.	16.8	86
20	Extraction of high-contrast diffraction patterns of fine-structured electrical sparks from laser shadowgrams. <i>Optics Express</i> , 2021, 29, 14941.	3.4	6
21	Spatial Distribution of Private Gene Mutations in Clear Cell Renal Cell Carcinoma. <i>Cancers</i> , 2021, 13, 2163.	3.8	10
22	SAME-SEX RELATIONS AND LEGAL TRADITIONS IN CAMEROON AND SOUTH AFRICA. <i>Journal of Law and Religion</i> , 2021, 36, 130-147.	0.1	9
23	<i>JAK2</i> V617F and interferon- $\gamma$ induce megakaryocyte-biased stem cells characterized by decreased long-term functionality. <i>Blood</i> , 2021, 137, 2139-2151.	1.4	29
24	Prisons as ecological drivers of fitness-compensated multidrug-resistant <i>Mycobacterium tuberculosis</i> . <i>Nature Medicine</i> , 2021, 27, 1171-1177.	30.1	48
25	PENGOLAHAN IKAN NILA MENJADI ABON IKAN NILA DI DESA DUMAN KECAMATAN LINGSAR LOMBOK BARAT. <i>Jurnal Abdimas Sangkabira</i> , 2021, 1, 131-144.	0.0	1
26	Selection of Sodium Salt Electrolyte Compatible with Na <sub>0.67</sub> Ni <sub>0.15</sub> Fe <sub>0.2</sub> Mn <sub>0.65</sub> O <sub>2</sub> Cathode for Sodium-Ion Batteries. <i>Energy Technology</i> , 2021, 9, 2100190.	3.8	12
27	Tone deaf: Association of an auditory stimulus with predation risk by zebrafish <i>Danio rerio</i> does not generalize to another auditory stimulus. <i>Behavioural Processes</i> , 2021, 189, 104421.	1.1	3
28	The Sputum Microbiome in Pulmonary Tuberculosis and Its Association With Disease Manifestations: A Cross-Sectional Study. <i>Frontiers in Microbiology</i> , 2021, 12, 633396.	3.6	12
29	Expression Dysregulation as a Mediator of Fitness Costs in Antibiotic Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0050421.	3.4	7
30	Potential contribution of HIV during first-line tuberculosis treatment to subsequent rifampicin-monoresistant tuberculosis and acquired tuberculosis drug resistance in South Africa: a retrospective molecular epidemiology study. <i>Lancet Microbe</i> , The, 2021, 2, e584-e593.	6.7	11
31	Quantification of the spread of SARS-CoV-2 variant B.1.1.7 in Switzerland. <i>Epidemics</i> , 2021, 37, 100480.	3.0	37
32	Distinct contributions of partial and full EMT to breast cancer malignancy. <i>Developmental Cell</i> , 2021, 56, 3203-3221.e11.	7.0	204
33	Statistical tests for intra-tumour clonal co-occurrence and exclusivity. <i>PLoS Computational Biology</i> , 2021, 17, e1009036.	3.1	8
34	A Comparative Analysis of Equations to Estimate Patient Energy Requirements Following Cardiopulmonary Bypass for Correction of Congenital Heart Disease. <i>Journal of Parenteral and Enteral Nutrition</i> , 2020, 44, 444-453.	2.7	8
35	Hypoxia Triggers the Intravasation of Clustered Circulating Tumor Cells. <i>Cell Reports</i> , 2020, 32, 108105.	6.3	147
36	Large-scale DNA-based phenotypic recording and deep learning enable highly accurate sequence-function mapping. <i>Nature Communications</i> , 2020, 11, 3551.	13.2	45

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37	Convergent network effects along the axis of gene expression during prostate cancer progression. <i>Genome Biology</i> , 2020, 21, 302.	9.2	17
38	Clonal hematopoiesis in donors and long-term survivors of related allogeneic hematopoietic stem cell transplantation. <i>Blood</i> , 2020, 135, 1548-1559.	1.4	60
39	Tead transcription factors differentially regulate cortical development. <i>Scientific Reports</i> , 2020, 10, 4625.	3.4	41
40	RNA-Seq of three free-living flatworm species suggests rapid evolution of reproduction-related genes. <i>BMC Genomics</i> , 2020, 21, 462.	2.9	13
41	Shortened postpartum magnesium sulfate treatment vs traditional 24h for severe preeclampsia: a systematic review and meta-analysis of randomized trials. <i>Hypertension in Pregnancy</i> , 2020, 39, 186-195.	1.1	12
42	Multiple Introductions of <i>Mycobacterium tuberculosis</i> Lineage 2â€œBeijing Into Africa Over Centuries. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.3	34
43	JAK2-mutant hematopoietic cells display metabolic alterations that can be targeted to treat myeloproliferative neoplasms. <i>Blood</i> , 2019, 134, 1832-1846.	1.4	49
44	Spreading Shape and Area Regulate the Osteogenesis of Mesenchymal Stem Cells. <i>Tissue Engineering and Regenerative Medicine</i> , 2019, 16, 573-583.	3.8	22
45	Expression and Mutation Patterns of PBRM1, BAP1 and SETD2 Mirror Specific Evolutionary Subtypes in Clear Cell Renal Cell Carcinoma. <i>Neoplasia</i> , 2019, 21, 247-256.	5.3	59
46	Reference set of <i>Mycobacterium tuberculosis</i> clinical strains: A tool for research and product development. <i>PLoS ONE</i> , 2019, 14, e0214088.	2.5	64
47	Neutrophils escort circulating tumour cells to enable cell cycle progression. <i>Nature</i> , 2019, 566, 553-557.	36.2	864
48	Temporary adhesion of the proseriate flatworm <i>Minona ileanae</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190194.	4.2	15
49	Circulating Tumor Cell Clustering Shapes DNA Methylation to Enable Metastasis Seeding. <i>Cell</i> , 2019, 176, 98-112.e14.	27.8	617
50	Cerebral Artery Reactivity in Adult APOE3 and APOE4 Mice. <i>FASEB Journal</i> , 2019, 33, lb454.	0.5	0
51	TGF- $\beta$ 2 induces oncofetal fibronectin that, in turn, modulates TGF- $\beta$ 2 superfamily signaling in endothelial cells. <i>Journal of Cell Science</i> , 2018, 131, .	2.1	29
52	NGS-pipe: a flexible, easily extendable and highly configurable framework for NGS analysis. <i>Bioinformatics</i> , 2018, 34, 107-108.	4.2	26
53	Organ specific gene expression in the regenerating tail of <i>Macrostomum lignano</i> . <i>Developmental Biology</i> , 2018, 433, 448-460.	2.1	30
54	The Complexity of Some Classes of Pyramid Graphs Created from a Gear Graph. <i>Symmetry</i> , 2018, 10, 689.	2.3	9

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55	A New Phylogenetic Framework for the Animal-Adapted Mycobacterium tuberculosis Complex. <i>Frontiers in Microbiology</i> , 2018, 9, 2820.	3.6	154
56	SwissMTB: establishing comprehensive molecular cancer diagnostics in Swiss clinics. <i>BMC Medical Informatics and Decision Making</i> , 2018, 18, 89.	3.1	20
57	Single-cell mRNA profiling reveals the hierarchical response of miRNA targets to miRNA induction. <i>Molecular Systems Biology</i> , 2018, 14, e8266.	7.5	25
58	Measurement of the inclusive $J/\psi$ polarization at forward rapidity in pp collisions at $\sqrt{s} = 8$ s. <i>European Physical Journal C</i> , 2018, 78, 1.	4.0	14
59	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.8	29
60	Comparative genomics of Mycobacterium africanum Lineage 5 and Lineage 6 from Ghana suggests distinct ecological niches. <i>Scientific Reports</i> , 2018, 8, 11269.	3.4	39
61	Treemmer: a tool to reduce large phylogenetic datasets with minimal loss of diversity. <i>BMC Bioinformatics</i> , 2018, 19, 164.	2.7	137
62	Restoration of peat dome in ex-Mega rice project area in Central Kalimantan. <i>AIP Conference Proceedings</i> , 2018, , .	1.0	5
63	Detailed simulation of cancer exome sequencing data reveals differences and common limitations of variant callers. <i>BMC Bioinformatics</i> , 2017, 18, 8.	2.7	41
64	The effects of single-walled carbon nanotubes on cancer cell migration using a pancreatic tumor model. <i>Proceedings of SPIE</i> , 2017, , .	1.0	1
65	Exome sequencing of healthy phenotypic extremes links TROVE2 to emotional memory and PTSD. <i>Nature Human Behaviour</i> , 2017, 1, .	12.6	9
66	Single-cell RNA sequencing reveals developmental heterogeneity among early lymphoid progenitors. <i>EMBO Journal</i> , 2017, 36, 3619-3633.	8.2	49
67	A High-Density Map for Navigating the Human Polycomb Complexome. <i>Cell Reports</i> , 2016, 17, 583-595.	6.3	241
68	Sexual Perfectionism in Women: Not as Simple as Adaptive or Maladaptive. <i>Archives of Sexual Behavior</i> , 2016, 45, 2015-2027.	2.2	9
69	Profiling of adhesive-related genes in the freshwater cnidarian <i>Hydra magnipapillata</i> by transcriptomics and proteomics. <i>Biofouling</i> , 2016, 32, 1115-1129.	2.2	36
70	ANALYSIS OF ABNORMALITIES IN COMMON CAROTID ARTERY IMAGES USING MULTI-WAVELETS. <i>ICTACT Journal on Image and Video Processing</i> , 2016, 7, 1345-1350.	0.1	0
71	Positional RNA-Seq identifies candidate genes for phenotypic engineering of sexual traits. <i>Frontiers in Zoology</i> , 2015, 12, 14.	2.1	34
72	High-Resolution Profiling of Drosophila Replication Start Sites Reveals a DNA Shape and Chromatin Signature of Metazoan Origins. <i>Cell Reports</i> , 2015, 11, 821-834.	6.3	72

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73	Full-length haplotype reconstruction to infer the structure of heterogeneous virus populations. <i>Nucleic Acids Research</i> , 2014, 42, e115-e115.	14.0	132
74	Clonal evolution and clinical correlates of somatic mutations in myeloproliferative neoplasms. <i>Blood</i> , 2014, 123, 2220-2228.	1.4	533
75	HAND2 Targets Define a Network of Transcriptional Regulators that Compartmentalize the Early Limb Bud Mesenchyme. <i>Developmental Cell</i> , 2014, 31, 345-357.	7.0	104
76	Attenuated sensing of SHH by Ptch1 underlies evolution of bovine limbs. <i>Nature</i> , 2014, 511, 46-51.	36.2	107
77	Family context assessment in a public health study. <i>Gaceta Sanitaria</i> , 2014, 28, 356-362.	1.5	15
78	The BET protein FSH functionally interacts with ASH1 to orchestrate global gene activity in <i>Drosophila</i> . <i>Genome Biology</i> , 2013, 14, R18.	9.2	30
79	Quantitative in vivo analysis of chromatin binding of Polycomb and Trithorax group proteins reveals retention of ASH1 on mitotic chromatin. <i>Nucleic Acids Research</i> , 2013, 41, 5235-5250.	14.0	45
80	Binding Profiles of Chromatin-Modifying Proteins Are Predictive for Transcriptional Activity and Promoter-Proximal Pausing. <i>Journal of Computational Biology</i> , 2012, 19, 126-138.	1.7	8
81	Modelling a Radio Admission Control Scheme for Video Telephony Service in Wireless Networks. <i>Lecture Notes in Computer Science</i> , 2012, , 208-215.	1.0	12
82	Read length versus Depth of Coverage for Viral Quasispecies Reconstruction. <i>PLoS ONE</i> , 2012, 7, e47046.	2.5	56
83	Polycomb preferentially targets stalled promoters of coding and noncoding transcripts. <i>Genome Research</i> , 2011, 21, 216-226.	5.6	148
84	Ptosis Surgery: Comparing Different Surgical Techniques. , 2011, , 263-268.		0
85	Silencing chromatin: comparing modes and mechanisms. <i>Nature Reviews Genetics</i> , 2011, 12, 123-135.	16.7	338
86	openBIS: a flexible framework for managing and analyzing complex data in biology research. <i>BMC Bioinformatics</i> , 2011, 12, 468.	2.7	121
87	Rantes secreted from macrophages disturbs skeletal muscle regeneration after cardiotoxin injection in <i>Cblb</i> -deficient mice. <i>Muscle and Nerve</i> , 2011, 43, 223-229.	2.3	25
88	Polycomb purification by in vivo biotinylation tagging reveals cohesin and Trithorax group proteins as interaction partners. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5572-5577.	7.6	94
89	High-Resolution Analysis of Parent-of-Origin Allelic Expression in the <i>Arabidopsis</i> Endosperm. <i>PLoS Genetics</i> , 2011, 7, e1002126.	3.4	244
90	High-throughput sequencing for the identification of binding molecules from DNA-encoded chemical libraries. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 4188-4192.	2.3	50

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91	Repressive and active histone methylation mark distinct promoters in human and mouse spermatozoa. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 679-687.	8.1	624
92	Accessibility of the <i>Drosophila</i> genome discriminates PcG repression, H4K16 acetylation and replication timing. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 894-900.	8.1	100
93	On the Cutting Edge: Teaching Help for Geoscience Faculty. <i>Science</i> , 2010, 327, 1095-1096.	20.9	40
94	Trithorax requires Hsp90 for maintenance of active chromatin at sites of gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1157-1162.	7.6	118
95	Dissection of gene regulatory networks in embryonic stem cells by means of high-throughput sequencing. <i>Biological Chemistry</i> , 2009, 390, 1139-1144.	2.6	3
96	The tune of want in the loneliness melody – Loneliness experienced by people with serious mental suffering. <i>Scandinavian Journal of Caring Sciences</i> , 2008, 22, 161-169.	2.2	32
97	Comparing active and repressed expression states of genes controlled by the Polycomb/Trithorax group proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16615-16620.	7.6	71
98	Hydrophobic plastics films synthesis by mean of agaroid acylation with lauroyl chloride in the N,N-dimethylacetamide homogeneous system. <i>Journal of Applied Phycology</i> , 2007, 19, 1-13.	2.9	6
99	Relating tissue specialization to the differentiation of expression of singleton and duplicate mouse proteins. <i>Genome Biology</i> , 2006, 7, R89.	7.3	21
100	Controlled release of proteins from degradable poly(ether-ester) multiblock copolymers. <i>Journal of Controlled Release</i> , 2005, 101, 175-186.	10.2	21
101	Synthesis and structure of the [Co(NioxH)2(Thio)2]2SO4·2H2O complex compound. <i>Journal of Structural Chemistry</i> , 2005, 46, 488-493.	1.0	1
102	Contributions to the orchid flora of Thailand XIV. <i>Nordic Journal of Botany</i> , 2002, 22, 525-534.	0.5	7
103	Histone methylation by the <i>Drosophila</i> epigenetic transcriptional regulator Ash1. <i>Nature</i> , 2002, 419, 857-862.	36.2	283
104	Neonatal Bone Mass: Influence of Parental Birthweight, Maternal Smoking, Body Composition, and Activity During Pregnancy. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 1694-1703.	3.0	210
105	Performance evaluation of polarization shift keying modulation systems. , 1990, , .		1
106	Pyrolysis-GLC applied to composition analysis, general characterisation and the detailed specification of polymers. <i>British Polymer Journal</i> , 1989, 21, 23-30.	0.7	6
107	Le récit de guerre : narration et focalisation dans la <i>Décade</i> . <i>Litterature</i> , 1983, 50, 77-90.	0.1	1
108	Humanism and Cancer. <i>Ca-A Cancer Journal for Clinicians</i> , 1972, 22, 386-387.	260.6	2

#	ARTICLE	IF	CITATIONS
109	Decretum de vetita clericis et religiosis negotiatitone et mercatura. , 1950, 5, 1077-1078.		0
110	Executive policy-making. , 0, , 101-132.		0