

Stefan Krebs

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

2,810
citations

201674

27
h-index

214800

47
g-index

84
all docs

84
docs citations

84
times ranked

5861
citing authors

#	ARTICLE	IF	CITATIONS
1	Trans-presentation of IL-6 by dendritic cells is required for the priming of pathogenic TH17 cells. <i>Nature Immunology</i> , 2017, 18, 74-85.	14.5	311
2	Three exposures to the spike protein of SARS-CoV-2 by either infection or vaccination elicit superior neutralizing immunity to all variants of concern. <i>Nature Medicine</i> , 2022, 28, 496-503.	30.7	215
3	Genome activation in bovine embryos: Review of the literature and new insights from RNA sequencing experiments. <i>Animal Reproduction Science</i> , 2014, 149, 46-58.	1.5	113
4	Mutational spectrum of adult T-ALL. <i>Oncotarget</i> , 2015, 6, 2754-2766.	1.8	98
5	Impaired detection of omicron by SARS-CoV-2 rapid antigen tests. <i>Medical Microbiology and Immunology</i> , 2022, 211, 105-117.	4.8	94
6	Isolated trisomy 13 defines a homogeneous AML subgroup with high frequency of mutations in spliceosome genes and poor prognosis. <i>Blood</i> , 2014, 124, 1304-1311.	1.4	81
7	Programming and Isolation of Highly Pure Physiologically and Pharmacologically Functional Sinus-Nodal Bodies from Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2014, 2, 592-605.	4.8	81
8	Comparative genomics and the nature of placozoan species. <i>PLoS Biology</i> , 2018, 16, e2005359.	5.6	73
9	Absolute nucleosome occupancy map for the <i>Saccharomyces cerevisiae</i> genome. <i>Genome Research</i> , 2019, 29, 1996-2009.	5.5	71
10	Genome-wide measurement of local nucleosome array regularity and spacing by nanopore sequencing. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 894-901.	8.2	68
11	Tyrosine-1 of RNA Polymerase II CTD Controls Global Termination of Gene Transcription in Mammals. <i>Molecular Cell</i> , 2018, 69, 48-61.e6.	9.7	66
12	GATA2 deficiency in children and adults with severe pulmonary alveolar proteinosis and hematologic disorders. <i>BMC Pulmonary Medicine</i> , 2015, 15, 87.	2.0	63
13	Evolution of Cytogenetically Normal Acute Myeloid Leukemia During Therapy and Relapse: An Exome Sequencing Study of 50 Patients. <i>Clinical Cancer Research</i> , 2018, 24, 1716-1726.	7.0	63
14	The clinical mutatosome of core binding factor leukemia. <i>Leukemia</i> , 2020, 34, 1553-1562.	7.2	60
15	Multicentre comparison of quantitative PCR-based assays to detect SARS-CoV-2, Germany, March 2020. <i>Eurosurveillance</i> , 2020, 25, .	7.0	60
16	Comparison of four commercial, automated antigen tests to detect SARS-CoV-2 variants of concern. <i>Medical Microbiology and Immunology</i> , 2021, 210, 263-275.	4.8	47
17	PAX5 biallelic genomic alterations define a novel subgroup of B-cell precursor acute lymphoblastic leukemia. <i>Leukemia</i> , 2019, 33, 1895-1909.	7.2	46
18	ZBTB7A mutations in acute myeloid leukaemia with t(8;21) translocation. <i>Nature Communications</i> , 2016, 7, 11733.	12.8	45

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19	TTâ€seq captures enhancer landscapes immediately after Tâ€cell stimulation. <i>Molecular Systems Biology</i> , 2017, 13, 920.	7.2	44
20	NGS population genetics analyses reveal divergent evolution of a Lyme Borreliosis agent in Europe and Asia. <i>Ticks and Tick-borne Diseases</i> , 2015, 6, 344-351.	2.7	43
21	Recurrent evolution of host and vector association in bacteria of the <i>Borrelia burgdorferi</i> sensu lato species complex. <i>BMC Genomics</i> , 2016, 17, 734.	2.8	42
22	Comparative and retrospective molecular analysis of Parapoxvirus (PPV) isolates. <i>Virus Research</i> , 2014, 181, 11-21.	2.2	41
23	The Munich MIDY Pig Biobank â€ A unique resource for studying organ crosstalk in diabetes. <i>Molecular Metabolism</i> , 2017, 6, 931-940.	6.5	39
24	Active polyâ€GA vaccination prevents microglia activation and motor deficits in a <i>C9orf72</i> mouse model. <i>EMBO Molecular Medicine</i> , 2020, 12, e10919.	6.9	39
25	TRAPLINE: a standardized and automated pipeline for RNA sequencing data analysis, evaluation and annotation. <i>BMC Bioinformatics</i> , 2016, 17, 21.	2.6	35
26	Clonal heterogeneity of FLT3-ITD detected by high-throughput amplicon sequencing correlates with adverse prognosis in acute myeloid leukemia. <i>Oncotarget</i> , 2018, 9, 30128-30145.	1.8	33
27	Targeting tumor cell plasticity by combined inhibition of NOTCH and MAPK signaling in colon cancer. <i>Journal of Experimental Medicine</i> , 2018, 215, 1693-1708.	8.5	31
28	Clinical presentation and differential splicing of SRSF2, U2AF1 and SF3B1 mutations in patients with acute myeloid leukemia. <i>Leukemia</i> , 2020, 34, 2621-2634.	7.2	31
29	Prospective Longitudinal Serosurvey of Healthcare Workers in the First Wave of the Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Pandemic in a Quaternary Care Hospital in Munich, Germany. <i>Clinical Infectious Diseases</i> , 2021, 73, e3055-e3065.	5.8	29
30	Evidence for a role of E-cadherin in suppressing liver carcinogenesis in mice and men. <i>Carcinogenesis</i> , 2014, 35, 1855-1862.	2.8	28
31	Single-cell RNA sequencing reveals developmental heterogeneity of blastomeres during major genome activation in bovine embryos. <i>Scientific Reports</i> , 2018, 8, 4071.	3.3	28
32	<i>Borrelia maritima</i> sp. nov., a novel species of the <i>Borrelia burgdorferi</i> sensu lato complex, occupying a basal position to North American species. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 849-856.	1.7	27
33	Parapoxvirus (PPV) of red deer reveals subclinical infection and confirms a unique species. <i>Journal of General Virology</i> , 2015, 96, 1446-1462.	2.9	27
34	Remodeling of the Nuclear Envelope and Lamina during Bovine Preimplantation Development and Its Functional Implications. <i>PLoS ONE</i> , 2015, 10, e0124619.	2.5	26
35	Multi-omics insights into functional alterations of the liver in insulin-deficient diabetes mellitus. <i>Molecular Metabolism</i> , 2019, 26, 30-44.	6.5	26
36	EBF1 binds to EBNA2 and promotes the assembly of EBNA2 chromatin complexes in B cells. <i>PLoS Pathogens</i> , 2017, 13, e1006664.	4.7	25

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37	Rapid and sensitive identification of omicron by variant-specific PCR and nanopore sequencing: paradigm for diagnostics of emerging SARS-CoV-2 variants. <i>Medical Microbiology and Immunology</i> , 2022, 211, 71-77.	4.8	25
38	Effects of the glucagon-like peptide-1 receptor agonist liraglutide in juvenile transgenic pigs modeling a pre-diabetic condition. <i>Journal of Translational Medicine</i> , 2015, 13, 73.	4.4	24
39	ADNP Is a Therapeutically Inducible Repressor of WNT Signaling in Colorectal Cancer. <i>Clinical Cancer Research</i> , 2017, 23, 2769-2780.	7.0	24
40	The 1.78-kb insertion in the 3' untranslated region of RXFP2 does not segregate with horn status in sheep breeds with variable horn status. <i>Genetics Selection Evolution</i> , 2016, 48, 78.	3.0	22
41	Antigen-Specific TCR Signatures of Cytomegalovirus Infection. <i>Journal of Immunology</i> , 2019, 202, 979-990.	0.8	22
42	The myelin protein PMP2 is regulated by SOX10 and drives melanoma cell invasion. <i>Pigment Cell and Melanoma Research</i> , 2019, 32, 424-434.	3.3	22
43	Hematopoietic stem-cell senescence and myocardial repair - Coronary artery disease genotype/phenotype analysis of post-MI myocardial regeneration response induced by CABG/CD133+ bone marrow hematopoietic stem cell treatment in RCT PERFECT Phase 3. <i>EBioMedicine</i> , 2020, 57, 102862.	6.1	22
44	Integrative Analysis of MicroRNA and mRNA Data Reveals an Orchestrated Function of MicroRNAs in Skeletal Myocyte Differentiation in Response to TNF- α or IGF1. <i>PLoS ONE</i> , 2015, 10, e0135284.	2.5	21
45	An improved method for high-throughput quantification of autophagy in mammalian cells. <i>Scientific Reports</i> , 2020, 10, 12241.	3.3	21
46	SARS-CoV-2 Variants of Concern Hijack IFITM2 for Efficient Replication in Human Lung Cells. <i>Journal of Virology</i> , 2022, 96, e0059422.	3.4	21
47	Spatially resolved qualified sewage spot sampling to track SARS-CoV-2 dynamics in Munich - One year of experience. <i>Science of the Total Environment</i> , 2021, 797, 149031.	8.0	20
48	Lack of Rybp in Mouse Embryonic Stem Cells Impairs Cardiac Differentiation. <i>Stem Cells and Development</i> , 2015, 24, 2193-2205.	2.1	18
49	ZBTB7A prevents RUNX1-RUNX1T1-dependent clonal expansion of human hematopoietic stem and progenitor cells. <i>Oncogene</i> , 2020, 39, 3195-3205.	5.9	18
50	Transcriptome analysis of dominant-negative Brd4 mutants identifies Brd4-specific target genes of small molecule inhibitor JQ1. <i>Scientific Reports</i> , 2017, 7, 1684.	3.3	17
51	Detection of two non-synonymous SNPs in SLC45A2 on BTA20 as candidate causal mutations for oculocutaneous albinism in Braunvieh cattle. <i>Genetics Selection Evolution</i> , 2017, 49, 73.	3.0	17
52	Comparing effects of perfusion and hydrostatic pressure on gene profiles of human chondrocyte.. <i>Journal of Biotechnology</i> , 2015, 210, 59-65.	3.8	16
53	Tumor Necrosis Factor Alpha and Insulin-Like Growth Factor 1 Induced Modifications of the Gene Expression Kinetics of Differentiating Skeletal Muscle Cells. <i>PLoS ONE</i> , 2015, 10, e0139520.	2.5	15
54	Acute myeloid leukemia with del(9q) is characterized by frequent mutations of <i>NPM1</i> , <i>DNMT3A</i> , <i>WT1</i> and low expression of <i>TLE4</i> . <i>Genes Chromosomes and Cancer</i> , 2017, 56, 75-86.	2.8	15

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55	Splicing stimulates siRNA formation at <i>Drosophila</i> DNA double-strand breaks. <i>PLoS Genetics</i> , 2017, 13, e1006861.	3.5	15
56	Relapse of acute myeloid leukemia after allogeneic stem cell transplantation is associated with gain of <i>WT1</i> alterations and high mutation load. <i>Haematologica</i> , 2018, 103, e581-e584.	3.5	14
57	MIR sequences recruit zinc finger protein ZNF768 to expressed genes. <i>Nucleic Acids Research</i> , 2019, 47, 700-715.	14.5	14
58	High conservation combined with high plasticity: genomics and evolution of <i>Borrelia bavariensis</i> . <i>BMC Genomics</i> , 2020, 21, 702.	2.8	14
59	The First Draft Genome Assembly of Snow Sheep (<i>Ovis nivicola</i>). <i>Genome Biology and Evolution</i> , 2020, 12, 1330-1336.	2.5	14
60	Fusion gene detection by RNA sequencing complements diagnostics of acute myeloid leukemia and identifies recurring NRIP1-MIR99AHG rearrangements. <i>Haematologica</i> , 2021, , .	3.5	13
61	Detection of SARS-CoV-2-RNA in post-mortem samples of human eyes. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2022, 260, 1789-1797.	1.9	13
62	Whole genome sequencing reveals a complex introgression history and the basis of adaptation to subarctic climate in wild sheep. <i>Molecular Ecology</i> , 2021, 30, 6701-6717.	3.9	12
63	Effects of single and combined low frequency electromagnetic fields and simulated microgravity on gene expression of human mesenchymal stem cells during chondrogenesis. <i>Archives of Medical Science</i> , 2018, 14, 608-616.	0.9	11
64	Genomic epidemiology reveals multiple introductions of SARS-CoV-2 followed by community and nosocomial spread, Germany, February to May 2020. <i>Eurosurveillance</i> , 2021, 26, .	7.0	11
65	Young woman with mild bone marrow dysplasia, GATA2 and ASXL1 mutation treated with allogeneic hematopoietic stem cell transplantation. <i>Leukemia Research Reports</i> , 2015, 4, 72-75.	0.4	10
66	Mild maternal hyperglycemia in <i>INS</i> C93S transgenic pigs causes impaired glucose tolerance and metabolic alterations in neonatal offspring. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	2.4	10
67	Allelic Imbalance of Recurrently Mutated Genes in Acute Myeloid Leukaemia. <i>Scientific Reports</i> , 2019, 9, 11796.	3.3	9
68	Standardized, systemic phenotypic analysis reveals kidney dysfunction as main alteration of <i>Kctd1 l27N</i> mutant mice. <i>Journal of Biomedical Science</i> , 2017, 24, 57.	7.0	8
69	Remapping of the belted phenotype in cattle on BTA3 identifies a multiplication event as the candidate causal mutation. <i>Genetics Selection Evolution</i> , 2018, 50, 36.	3.0	7
70	Mitochondrial genomes of the freshwater sponges <i>Spongilla lacustris</i> and <i>Ephydatia cf. muelleri</i> . <i>Mitochondrial DNA Part B: Resources</i> , 2016, 1, 250-251.	0.4	5
71	Acute Myeloid Leukemia With Isolated Trisomy 13 Is a Genetically Homogenous Entity With a High Frequency Of Mutations In Genes Encoding Components Of The Splicing Machinery and Extremely Poor Prognosis. <i>Blood</i> , 2013, 122, 608-608.	1.4	5
72	Sex-specific programming effects of parental obesity in pre-implantation embryonic development. <i>International Journal of Obesity</i> , 2020, 44, 1185-1190.	3.4	4

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73	Full genome sequence of bovine alphaherpesvirus 2 (BoHV-2). Archives of Virology, 2021, 166, 639-643.	2.1	3
74	ONT-Based Draft Genome Assembly and Annotation of <i>Alternaria atra</i> . Molecular Plant-Microbe Interactions, 2021, 34, 870-873.	2.6	3
75	SPO01ALTERATIONS OF ION TRANSPORTERS IN CELLS OF THICK ASCENDING LIMB IN AUTOSOMAL DOMINANT TUBULOINTERSTITIAL KIDNEY DISEASE - UMOD. Nephrology Dialysis Transplantation, 2016, 31, i86-i86.	0.7	2
76	Complete mitochondrial genomes of Karchaev goat (<i>Capra hircus</i>). Mitochondrial DNA Part B: Resources, 2020, 5, 3627-3628.	0.4	2
77	Linkage of genetic drivers and strain-specific germline variants confound mouse cancer genome analyses. Nature Communications, 2020, 11, 4474.	12.8	1
78	Should routine risk reduction procedures for the prevention and control of pandemics become a standard in all oncological outpatient clinics? The prospective COVID-19 cohort study: protect-CoV. , 2022, 39, 104.		1
79	FAT1 Expression and Mutation Status In Adult Acute Lymphoblastic Leukemia. Blood, 2013, 122, 2564-2564.	1.4	0
80	Unbalanced Translocation t(5;17) Resulting In a TP53 Loss As Recurrent Aberration In Myelodysplastic Syndrome With Complex Karyotype. Blood, 2013, 122, 4949-4949.	1.4	0
81	Genomic Profiling Reveals Gain of Mutations in Histone Methylation Regulators in Relapsed Adult B Cell Precursor ALL. Blood, 2015, 126, 2625-2625.	1.4	0
82	Clonal Evolution of Relapsed CBFβ/MYH11 Rearranged Acute Myeloid Leukemia (AML). Blood, 2018, 132, 2772-2772.	1.4	0
83	Distinct Morphological and Behavioural Alterations in ENU-Induced Heterozygous Trpc7K810Stop Mutant Mice. Genes, 2021, 12, 1732.	2.4	0