

Hubert Rehrauer

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

4,506
citations

147801

31
h-index

123424

61
g-index

69
all docs

69
docs citations

69
times ranked

9132
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of the nuclear receptor PPAR- β by the cytokine GM-CSF is critical for the differentiation of fetal monocytes into alveolar macrophages. <i>Nature Immunology</i> , 2014, 15, 1026-1037.	14.5	443
2	Transcriptome Profile of Human Colorectal Adenomas. <i>Molecular Cancer Research</i> , 2007, 5, 1263-1275.	3.4	428
3	A global network of coexisting microbes from environmental and whole-genome sequence data. <i>Genome Research</i> , 2010, 20, 947-959.	5.5	425
4	Circadian behavior is light-reprogrammed by plastic DNA methylation. <i>Nature Neuroscience</i> , 2014, 17, 377-382.	14.8	218
5	Genome-Wide Transcript Analysis of <i>Bradyrhizobium japonicum</i> Bacteroids in Soybean Root Nodules. <i>Molecular Plant-Microbe Interactions</i> , 2007, 20, 1353-1363.	2.6	187
6	Myc-mediated repression of microRNA-34a promotes high-grade transformation of B-cell lymphoma by dysregulation of FoxP1. <i>Blood</i> , 2011, 117, 6227-6236.	1.4	165
7	The CD4+ T Cell-Mediated IFN- β Response to <i>Helicobacter</i> Infection Is Essential for Clearance and Determines Gastric Cancer Risk. <i>Journal of Immunology</i> , 2009, 182, 7085-7101.	0.8	151
8	Deterministic protein inference for shotgun proteomics data provides new insights into Arabidopsis pollen development and function. <i>Genome Research</i> , 2009, 19, 1786-1800.	5.5	151
9	Epigenetically-driven anatomical diversity of synovial fibroblasts guides joint-specific fibroblast functions. <i>Nature Communications</i> , 2017, 8, 14852.	12.8	126
10	An experimental genetically attenuated live vaccine to prevent transmission of <i>Toxoplasma gondii</i> by cats. <i>Scientific Reports</i> , 2019, 9, 1474.	3.3	112
11	CD133 Positive Embryonal Rhabdomyosarcoma Stem-Like Cell Population Is Enriched in Rhabdospheres. <i>PLoS ONE</i> , 2011, 6, e19506.	2.5	111
12	Epigenetic Silencing of MicroRNA-203 Dysregulates ABL1 Expression and Drives <i>Helicobacter</i> -Associated Gastric Lymphomagenesis. <i>Cancer Research</i> , 2011, 71, 3616-3624.	0.9	101
13	Functional relevance of novel p300-mediated lysine 314 and 315 acetylation of RelA/p65. <i>Nucleic Acids Research</i> , 2008, 36, 1665-1680.	14.5	91
14	SUSHI: an exquisite recipe for fully documented, reproducible and reusable NGS data analysis. <i>BMC Bioinformatics</i> , 2016, 17, 228.	2.6	90
15	Epigenetic mechanisms regulate stage differentiation in the minimized protozoan <i>Giardia lamblia</i> . <i>Molecular Microbiology</i> , 2010, 76, 48-67.	2.5	85
16	The <i>Streptococcus mutans</i> Serine/Threonine Kinase, PknB, Regulates Competence Development, Bacteriocin Production, and Cell Wall Metabolism. <i>Infection and Immunity</i> , 2010, 78, 2209-2220.	2.2	81
17	Genome-wide gene expression profiling reveals renal genes regulated during metabolic acidosis. <i>Physiological Genomics</i> , 2008, 32, 322-334.	2.3	77
18	Chronic exposure to cigarette smoke condensate in vitro induces epithelial to mesenchymal transition-like changes in human bronchial epithelial cells, BEAS-2B. <i>Toxicology in Vitro</i> , 2011, 25, 446-453.	2.4	77

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19	The Transcriptional Response to Encystation Stimuli in <i>Giardia lamblia</i> Is Restricted to a Small Set of Genes. <i>Eukaryotic Cell</i> , 2010, 9, 1566-1576.	3.4	73
20	Ablation of Dicer from Murine Schwann Cells Increases Their Proliferation while Blocking Myelination. <i>PLoS ONE</i> , 2010, 5, e12450.	2.5	69
21	Rhizobial Adaptation to Hosts, a New Facet in the Legume Root-Nodule Symbiosis. <i>Molecular Plant-Microbe Interactions</i> , 2010, 23, 784-790.	2.6	68
22	Long fragments achieve lower base quality in Illumina paired-end sequencing. <i>Scientific Reports</i> , 2019, 9, 2856.	3.3	66
23	In vivo cytidine base editing of hepatocytes without detectable off-target mutations in RNA and DNA. <i>Nature Biomedical Engineering</i> , 2021, 5, 179-189.	22.5	62
24	AGRONOMICS1: A New Resource for Arabidopsis Transcriptome Profiling. <i>Plant Physiology</i> , 2010, 152, 487-499.	4.8	61
25	Role of Hedgehog Signaling in Malignant Pleural Mesothelioma. <i>Clinical Cancer Research</i> , 2012, 18, 4646-4656.	7.0	60
26	Field Trial and Molecular Characterization of RNAi-Transgenic Tomato Plants That Exhibit Resistance to Tomato Yellow Leaf Curl Geminivirus. <i>Molecular Plant-Microbe Interactions</i> , 2016, 29, 197-209.	2.6	60
27	MicroRNA MiR-199a-5p Regulates Smooth Muscle Cell Proliferation and Morphology by Targeting WNT2 Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2015, 290, 7067-7086.	3.4	59
28	Induction of senescence markers after neo-adjuvant chemotherapy of malignant pleural mesothelioma and association with clinical outcome: An exploratory analysis. <i>European Journal of Cancer</i> , 2011, 47, 326-332.	2.8	58
29	Lysyl oxidase expression is an independent marker of prognosis and a predictor of lymph node metastasis in oral and oropharyngeal squamous cell carcinoma (OSCC). <i>International Journal of Cancer</i> , 2010, 126, 2653-2662.	5.1	56
30	How asbestos drives the tissue towards tumors: YAP activation, macrophage and mesothelial precursor recruitment, RNA editing, and somatic mutations. <i>Oncogene</i> , 2018, 37, 2645-2659.	5.9	53
31	Monocyte-derived alveolar macrophages autonomously determine severe outcome of respiratory viral infection. <i>Science Immunology</i> , 2022, 7, .	11.9	39
32	Pleural mesothelioma side populations have a precursor phenotype. <i>Carcinogenesis</i> , 2011, 32, 1324-1332.	2.8	38
33	Ribosomal mistranslation leads to silencing of the unfolded protein response and increased mitochondrial biogenesis. <i>Communications Biology</i> , 2019, 2, 381.	4.4	33
34	Synthetic transactivation screening reveals ETV4 as broad coactivator of hypoxia-inducible factor signaling. <i>Nucleic Acids Research</i> , 2012, 40, 1928-1943.	14.5	32
35	Diurnal changes in the histone H3 signature H3K9ac H3K27ac H3S28p are associated with diurnal gene expression in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2016, 39, 2557-2569.	5.7	31
36	Targeting the Phosphoinositide 3-Kinase p110- β Isoform Impairs Cell Proliferation, Survival, and Tumor Growth in Small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2013, 19, 96-105.	7.0	30

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37	Absence of Poly(ADP-Ribose) Polymerase 1 Delays the Onset of <i>Salmonella enterica</i> Serovar Typhimurium-Induced Gut Inflammation. <i>Infection and Immunity</i> , 2010, 78, 3420-3431.	2.2	29
38	RNA-Seq Data Analysis: From Raw Data Quality Control to Differential Expression Analysis. <i>Methods in Molecular Biology</i> , 2017, 1669, 295-307.	0.9	29
39	Sirolimus ameliorates the enhanced expression of metalloproteinases in a rat model of autosomal dominant polycystic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2007, 23, 880-889.	0.7	27
40	Transcriptome analysis reveals differences in mechanisms regulating cessation of luteal function in pregnant and non-pregnant dogs. <i>BMC Genomics</i> , 2017, 18, 757.	2.8	26
41	Mutant <i>MRPS</i> 5 affects mitochondrial accuracy and confers stress-related behavioral alterations. <i>EMBO Reports</i> , 2018, 19, .	4.5	26
42	Malignant Catarrhal Fever of Cattle Is Associated with Low Abundance of IL-2 Transcript and a Predominantly Latent Profile of Ovine Herpesvirus 2 Gene Expression. <i>PLoS ONE</i> , 2009, 4, e6265.	2.5	25
43	The Phosphoinositide 3-Kinase p110 α Isoform Regulates Leukemia Inhibitory Factor Receptor Expression via c-Myc and miR-125b to Promote Cell Proliferation in Medulloblastoma. <i>PLoS ONE</i> , 2015, 10, e0123958.	2.5	24
44	Hypoxia attenuates the proinflammatory response in colon cancer cells by regulating $\text{I}\kappa\text{B}$. <i>Oncotarget</i> , 2015, 6, 20288-20301.	1.8	23
45	16S rRNA gene-based phylogenetic microarray for simultaneous identification of members of the genus <i>Burkholderia</i> . <i>Environmental Microbiology</i> , 2009, 11, 779-800.	3.8	22
46	Interaction of HIF and USF Signaling Pathways in Human Genes Flanked by Hypoxia-Response Elements and E-box Palindromes. <i>Molecular Cancer Research</i> , 2011, 9, 1520-1536.	3.4	21
47	RIP-chip-SRM—a new combinatorial large-scale approach identifies a set of translationally regulated bantam/miR-58 targets in <i>C. elegans</i> . <i>Genome Research</i> , 2012, 22, 1360-1371.	5.5	18
48	Genome-wide transcription analysis of <i>Escherichia coli</i> in response to extremely low-frequency magnetic fields. <i>Bioelectromagnetics</i> , 2012, 33, 488-496.	1.6	18
49	Endogenous retrovirus expression activates type-I interferon signaling in an experimental mouse model of mesothelioma development. <i>Cancer Letters</i> , 2021, 507, 26-38.	7.2	18
50	Development and experimental validation of a <i>nifH</i> oligonucleotide microarray to study diazotrophic communities in a glacier forefield. <i>Environmental Microbiology</i> , 2009, 11, 2179-2189.	3.8	16
51	Gene expression profiling of the canine placenta during normal and antigestagen-induced luteolysis. <i>General and Comparative Endocrinology</i> , 2019, 282, 113194.	1.8	16
52	A MicroRNA Next-Generation-Sequencing Discovery Assay (miND) for Genome-Scale Analysis and Absolute Quantitation of Circulating MicroRNA Biomarkers. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1226.	4.1	16
53	Effects of a male meiotic driver on male and female transcriptomes in the house mouse. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191927.	2.6	12
54	An <i>ER</i> -directed transcriptional response to unfolded protein stress in the absence of conserved sensor transducer proteins in <i>Giardia lamblia</i> . <i>Molecular Microbiology</i> , 2013, 88, 754-771.	2.5	11

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55	Genetic deletion of microRNA biogenesis in muscle cells reveals a hierarchical non-clustered network that controls focal adhesion signaling during muscle regeneration. <i>Molecular Metabolism</i> , 2020, 36, 100967.	6.5	10
56	Gene Expression Profiles of Different Breast Cancer Cells Compared with their Responsiveness to Fermented Mistletoe (<i>Viscum album</i> L.) Extracts Iscador from Oak (<i>Quercus</i>), Pine (<i>Pinus</i>), White Fir (<i>Abies</i>) and Apple Tree (<i>Malus</i>) in vitro. <i>Arzneimittelforschung</i> , 2006, 56, 483-496.	0.4	8
57	Non-Coding Transcript Heterogeneity in Mesothelioma: Insights from Asbestos-Exposed Mice. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1163.	4.1	8
58	Global Transcriptomic Analysis of the Canine corpus luteum (CL) During the First Half of Diestrus and Changes Induced by in vivo Inhibition of Prostaglandin Synthase 2 (PTGS2/COX2). <i>Frontiers in Endocrinology</i> , 2019, 10, 715.	3.5	6
59	Mitochondrial Mistranslation in Brain Provokes a Metabolic Response Which Mitigates the Age-Associated Decline in Mitochondrial Gene Expression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2746.	4.1	5
60	Double-Stranded RNA Structural Elements Holding the Key to Translational Regulation in Cancer: The Case of Editing in RNA-Binding Motif Protein 8A. <i>Cells</i> , 2021, 10, 3543.	4.1	5
61	Application of anifHmicroarray to assess the impact of environmental factors on free-living diazotrophs in a glacier forefield. <i>Canadian Journal of Microbiology</i> , 2011, 57, 105-114.	1.7	4
62	Phenotype of Mrps5-Associated Phylogenetic Polymorphisms Is Intimately Linked to Mitochondrial Misreading. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4384.	4.1	1
63	Effects of ACTH-Induced Long-Term Hypercortisolism on the Transcriptome of Canine Visceral Adipose Tissue. <i>Veterinary Sciences</i> , 2022, 9, 250.	1.7	1
64	CD40 Agonist Monoclonal Antibody-Mediated Hepatitis in TNF-Receptor 1 Gene Knockout Mice. <i>Biomedicines</i> , 2021, 9, 863.	3.2	0