

# 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  | 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        |
| 2  | Phenotype of Mrps5-Associated Phylogenetic Polymorphisms Is Intimately Linked to Mitoribosomal Misreading. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4384.  | 4.1  | 1         |
| 3  | 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         |
| 4  | Monocyte-derived alveolar macrophages autonomously determine severe outcome of respiratory viral infection. <i>Science Immunology</i> , 2022, 7, .   | 11.9 | 39        |
| 5  | 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        |
| 6  | 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         |
| 7  | 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        |
| 8  | CD40 Agonist Monoclonal Antibody-Mediated Hepatitis in TNF-Receptor 1 Gene Knockout Mice. <i>Biomedicines</i> , 2021, 9, 863.  | 3.2  | 0         |
| 9  | 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         |
| 10 | 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        |
| 11 | Ribosomal mistranslation leads to silencing of the unfolded protein response and increased mitochondrial biogenesis. <i>Communications Biology</i> , 2019, 2, 381.   | 4.4  | 33        |
| 12 | 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        |
| 13 | 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        |
| 14 | Long fragments achieve lower base quality in Illumina paired-end sequencing. <i>Scientific Reports</i> , 2019, 9, 2856.  | 3.3  | 66        |
| 15 | 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       |
| 16 | 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         |
| 17 | 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        |
| 18 | Mutant <sc>MRPS</sc> 5 affects mitoribosomal accuracy and confers stress-related behavioral alterations. <i>EMBO Reports</i> , 2018, 19, .   | 4.5  | 26        |

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|----|---|------|-----------|
| 19 | Non-Coding Transcript Heterogeneity in Mesothelioma: Insights from Asbestos-Exposed Mice. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1163.  | 4.1  | 8         |
| 20 | Epigenetically-driven anatomical diversity of synovial fibroblasts guides joint-specific fibroblast functions. <i>Nature Communications</i> , 2017, 8, 14852.   | 12.8 | 126       |
| 21 | 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        |
| 22 | 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        |
| 23 | SUSHI: an exquisite recipe for fully documented, reproducible and reusable NGS data analysis. <i>BMC Bioinformatics</i> , 2016, 17, 228.  | 2.6  | 90        |
| 24 | 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        |
| 25 | 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        |
| 26 | 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        |
| 27 | The Phosphoinositide 3-Kinase p110 $\alpha$ 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        |
| 28 | 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        |
| 29 | Circadian behavior is light-reprogrammed by plastic DNA methylation. <i>Nature Neuroscience</i> , 2014, 17, 377-382.  | 14.8 | 218       |
| 30 | Induction of the nuclear receptor PPAR- $\beta$ 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       |
| 31 | Targeting the Phosphoinositide 3-Kinase p110 $\alpha$ 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        |
| 32 | An $\epsilon$ -directed transcriptional response to unfolded protein stress in the absence of conserved sensor $\epsilon$ -transducer proteins in <i>Giardia lamblia</i> . <i>Molecular Microbiology</i> , 2013, 88, 754-771. | 2.5  | 11        |
| 33 | Role of Hedgehog Signaling in Malignant Pleural Mesothelioma. <i>Clinical Cancer Research</i> , 2012, 18, 4646-4656.  | 7.0  | 60        |
| 34 | RIP-chip-SRM $\epsilon$ 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        |
| 35 | 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        |
| 36 | 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        |

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|----|--|-----|-----------|
| 37 | 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        |
| 38 | 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        |
| 39 | CD133 Positive Embryonal Rhabdomyosarcoma Stem-Like Cell Population Is Enriched in Rhabdospheres. <i>PLoS ONE</i> , 2011, 6, e19506.   | 2.5 | 111       |
| 40 | 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       |
| 41 | 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       |
| 42 | Pleural mesothelioma side populations have a precursor phenotype. <i>Carcinogenesis</i> , 2011, 32, 1324-1332.   | 2.8 | 38        |
| 43 | 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         |
| 44 | 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        |
| 45 | 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        |
| 46 | 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        |
| 47 | Epigenetic mechanisms regulate stage differentiation in the minimized protozoan <i>Giardia lamblia</i> . <i>Molecular Microbiology</i> , 2010, 76, 48-67.  | 2.5 | 85        |
| 48 | 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        |
| 49 | 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        |
| 50 | 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        |
| 51 | AGRONOMICS1: A New Resource for Arabidopsis Transcriptome Profiling. <i>Plant Physiology</i> , 2010, 152, 487-499.   | 4.8 | 61        |
| 52 | A global network of coexisting microbes from environmental and whole-genome sequence data. <i>Genome Research</i> , 2010, 20, 947-959.   | 5.5 | 425       |
| 53 | Ablation of Dicer from Murine Schwann Cells Increases Their Proliferation while Blocking Myelination. <i>PLoS ONE</i> , 2010, 5, e12450.   | 2.5 | 69        |
| 54 | The CD4+ T Cell-Mediated IFN- $\gamma$ 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       |

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|----|---|------|-----------|
| 55 | 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       |
| 56 | 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        |
| 57 | 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        |
| 58 | 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        |
| 59 | Genome-wide gene expression profiling reveals renal genes regulated during metabolic acidosis. <i>Physiological Genomics</i> , 2008, 32, 322-334.   | 2.3  | 77        |
| 60 | 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        |
| 61 | Transcriptome Profile of Human Colorectal Adenomas. <i>Molecular Cancer Research</i> , 2007, 5, 1263-1275.  | 3.4  | 428       |
| 62 | 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        |
| 63 | 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       |
| 64 | 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         |