

Sven Heinz

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

16,976
citations

136740

32
h-index

253896

43
g-index

49
all docs

49
docs citations

49
times ranked

32713
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Simple Combinations of Lineage-Determining Transcription Factors Prime cis-Regulatory Elements Required for Macrophage and B Cell Identities. <i>Molecular Cell</i> , 2010, 38, 576-589. | 4.5 | 10,215 |
| 2 | The selection and function of cell type-specific enhancers. <i>Nature Reviews Molecular Cell Biology</i> , 2015, 16, 144-154. | 16.1 | 859 |
| 3 | Genome evolution in the allotetraploid frog <i>Xenopus laevis</i> . <i>Nature</i> , 2016, 538, 336-343. | 13.7 | 849 |
| 4 | Remodeling of the Enhancer Landscape during Macrophage Activation Is Coupled to Enhancer Transcription. <i>Molecular Cell</i> , 2013, 51, 310-325. | 4.5 | 616 |
| 5 | Rev-Erbs repress macrophage gene expression by inhibiting enhancer-directed transcription. <i>Nature</i> , 2013, 498, 511-515. | 13.7 | 480 |
| 6 | A global network of transcription factors, involving E2A, EBF1 and Foxo1, that orchestrates B cell fate. <i>Nature Immunology</i> , 2010, 11, 635-643. | 7.0 | 475 |
| 7 | Transcription Elongation Can Affect Genome 3D Structure. <i>Cell</i> , 2018, 174, 1522-1536.e22. | 13.5 | 369 |
| 8 | Biomimetic Morphogenesis of Fluorapatite-Gelatin Composites: Fractal Growth, the Question of Intrinsic Electric Fields, Core/Shell Assemblies, Hollow Spheres and Reorganization of Denatured Collagen. , 1999, 1999, 1643-1653. | | 269 |
| 9 | Global changes in the nuclear positioning of genes and intra- and interdomain genomic interactions that orchestrate B cell fate. <i>Nature Immunology</i> , 2012, 13, 1196-1204. | 7.0 | 249 |
| 10 | Liver-Derived Signals Sequentially Reprogram Myeloid Enhancers to Initiate and Maintain Kupffer Cell Identity. <i>Immunity</i> , 2019, 51, 655-670.e8. | 6.6 | 234 |
| 11 | FoxO1 regulates Tlr4 inflammatory pathway signalling in macrophages. <i>EMBO Journal</i> , 2010, 29, 4223-4236. | 3.5 | 203 |
| 12 | Species-specific Regulation of Toll-like Receptor 3 Genes in Men and Mice. <i>Journal of Biological Chemistry</i> , 2003, 278, 21502-21509. | 1.6 | 174 |
| 13 | Mechanisms Establishing TLR4-Responsive Activation States of Inflammatory Response Genes. <i>PLoS Genetics</i> , 2011, 7, e1002401. | 1.5 | 146 |
| 14 | Topoisomerase 1 inhibition suppresses inflammatory genes and protects from death by inflammation. <i>Science</i> , 2016, 352, aad7993. | 6.0 | 132 |
| 15 | Two distinct auto-regulatory loops operate at the PU.1 locus in B cells and myeloid cells. <i>Blood</i> , 2011, 117, 2827-2838. | 0.6 | 120 |
| 16 | Human Promoters Are Intrinsically Directional. <i>Molecular Cell</i> , 2015, 57, 674-684. | 4.5 | 115 |
| 17 | Macrophage development from HSCs requires PU.1-coordinated microRNA expression. <i>Blood</i> , 2011, 118, 2275-2284. | 0.6 | 113 |
| 18 | IL-17 signaling in steatotic hepatocytes and macrophages promotes hepatocellular carcinoma in alcohol-related liver disease. <i>Journal of Hepatology</i> , 2020, 72, 946-959. | 1.8 | 113 |

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|----|--|------|-----------|
| 19 | Identification of Lineage-Specific Transcription Factors That Prevent Activation of Hepatic Stellate Cells and Promote Fibrosis Resolution. <i>Gastroenterology</i> , 2020, 158, 1728-1744.e14. | 0.6 | 112 |
| 20 | Identification and dynamic quantification of regulatory elements using total RNA. <i>Genome Research</i> , 2019, 29, 1836-1846. | 2.4 | 102 |
| 21 | Heterochromatin-Encoded Satellite RNAs Induce Breast Cancer. <i>Molecular Cell</i> , 2018, 70, 842-853.e7. | 4.5 | 96 |
| 22 | Transcription Factor Tfec Contributes to the IL-4-Inducible Expression of a Small Group of Genes in Mouse Macrophages Including the Granulocyte Colony-Stimulating Factor Receptor. <i>Journal of Immunology</i> , 2005, 174, 7111-7122. | 0.4 | 81 |
| 23 | Paradoxical association of TET loss of function with genome-wide DNA hypomethylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16933-16942. | 3.3 | 81 |
| 24 | TOP1 inhibition therapy protects against SARS-CoV-2-induced lethal inflammation. <i>Cell</i> , 2021, 184, 2618-2632.e17. | 13.5 | 80 |
| 25 | Active DNA demethylation in human postmitotic cells correlates with activating histone modifications, but not transcription levels. <i>Genome Biology</i> , 2010, 11, R63. | 13.9 | 75 |
| 26 | Genomic Decoding of Neuronal Depolarization by Stimulus-Specific NPAS4 Heterodimers. <i>Cell</i> , 2019, 179, 373-391.e27. | 13.5 | 73 |
| 27 | Mesothelin/mucin 16 signaling in activated portal fibroblasts regulates cholestatic liver fibrosis. <i>Journal of Clinical Investigation</i> , 2017, 127, 1254-1270. | 3.9 | 69 |
| 28 | Serum Response Factor Utilizes Distinct Promoter- and Enhancer-Based Mechanisms To Regulate Cytoskeletal Gene Expression in Macrophages. <i>Molecular and Cellular Biology</i> , 2011, 31, 861-875. | 1.1 | 56 |
| 29 | Interleukin-4 induction of the CC chemokine TARC (CCL17) in murine macrophages is mediated by multiple STAT6 sites in the TARC gene promoter. <i>BMC Molecular Biology</i> , 2006, 7, 45. | 3.0 | 50 |
| 30 | Senataxin suppresses the antiviral transcriptional response and controls viral biogenesis. <i>Nature Immunology</i> , 2015, 16, 485-494. | 7.0 | 50 |
| 31 | Control of VEGF-A transcriptional programs by pausing and genomic compartmentalization. <i>Nucleic Acids Research</i> , 2014, 42, 12570-12584. | 6.5 | 47 |
| 32 | Deconvolution of pro- and antiviral genomic responses in Zika virus-infected and bystander macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9172-E9181. | 3.3 | 44 |
| 33 | Roles of Lineage-Determining Transcription Factors in Establishing Open Chromatin: Lessons From High-Throughput Studies. <i>Current Topics in Microbiology and Immunology</i> , 2011, 356, 1-15. | 0.7 | 36 |
| 34 | Circular synthesized CRISPR/Cas gRNAs for functional interrogations in the coding and noncoding genome. <i>ELife</i> , 2019, 8, . | 2.8 | 34 |
| 35 | Exploiting genomics and natural genetic variation to decode macrophage enhancers. <i>Trends in Immunology</i> , 2015, 36, 507-518. | 2.9 | 32 |
| 36 | ARTDeco: automatic readthrough transcription detection. <i>BMC Bioinformatics</i> , 2020, 21, 214. | 1.2 | 21 |

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|----|--|-----|-----------|
| 37 | Genomic Organization of the Human Gene HEP27: Alternative Promoter Usage in HepG2 Cells and Monocyte-Derived Dendritic Cells. <i>Genomics</i> , 2002, 79, 608-615. | 1.3 | 20 |
| 38 | Perspectives on Unidirectional versus Divergent Transcription. <i>Molecular Cell</i> , 2015, 60, 348-349. | 4.5 | 19 |
| 39 | Ncor2/PPAR α -Dependent Upregulation of MCL1b in the Type 2 Diabetic Heart Impacts Cardiac Metabolic Flexibility and Function. <i>Diabetes</i> , 2021, 70, 665-679. | 0.3 | 17 |
| 40 | Research Resource: Comparative Nuclear Receptor Atlas: Basal and Activated Peritoneal B-1 and B-2 Cells. <i>Molecular Endocrinology</i> , 2011, 25, 529-545. | 3.7 | 12 |
| 41 | Purification of mouse hepatic non-parenchymal cells or nuclei for use in ChIP-seq and other next-generation sequencing approaches. <i>STAR Protocols</i> , 2021, 2, 100363. | 0.5 | 12 |
| 42 | An optimized protocol for rapid, sensitive and robust on-bead ChIP-seq from primary cells. <i>STAR Protocols</i> , 2021, 2, 100358. | 0.5 | 11 |
| 43 | Characterization of MAX.3 antigen, a glycoprotein expressed on mature macrophages, dendritic cells and blood platelets: identity with CD84. <i>Biochemical Journal</i> , 2000, 346, 729. | 1.7 | 9 |
| 44 | Generating a Three-Dimensional Genome from <i>Xenopus</i> with Hi-C. <i>Cold Spring Harbor Protocols</i> , 2019, 2019, pdb.prot098343. | 0.2 | 1 |
| 45 | Negative Regulation of Enhancer-Associated RNA in Macrophages. <i>FASEB Journal</i> , 2012, 26, 912.1. | 0.2 | 0 |