

Sebastian SchÄrfer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5702637/publications.pdf>

Version: 2024-02-01

60
papers

5,781
citations

126708

33
h-index

155451

55
g-index

74
all docs

74
docs citations

74
times ranked

9655
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Titin mutations in iPS cells define sarcomere insufficiency as a cause of dilated cardiomyopathy. <i>Science</i> , 2015, 349, 982-986. | 6.0 | 508 |
| 2 | RBM20, a gene for hereditary cardiomyopathy, regulates titin splicing. <i>Nature Medicine</i> , 2012, 18, 766-773. | 15.2 | 471 |
| 3 | IL-11 is a crucial determinant of cardiovascular fibrosis. <i>Nature</i> , 2017, 552, 110-115. | 13.7 | 451 |
| 4 | The Translational Landscape of the Human Heart. <i>Cell</i> , 2019, 178, 242-260.e29. | 13.5 | 407 |
| 5 | Integrated allelic, transcriptional, and phenomic dissection of the cardiac effects of titin truncations in health and disease. <i>Science Translational Medicine</i> , 2015, 7, 270ra6. | 5.8 | 375 |
| 6 | Titin-truncating variants affect heart function in disease cohorts and the general population. <i>Nature Genetics</i> , 2017, 49, 46-53. | 9.4 | 255 |
| 7 | Cell-surface sensors for real-time probing of cellular environments. <i>Nature Nanotechnology</i> , 2011, 6, 524-531. | 15.6 | 201 |
| 8 | Interleukin-11 is a therapeutic target in idiopathic pulmonary fibrosis. <i>Science Translational Medicine</i> , 2019, 11, . | 5.8 | 189 |
| 9 | Engineered cell homing. <i>Blood</i> , 2011, 118, e184-e191. | 0.6 | 187 |
| 10 | Inhibiting Interleukin 11 Signaling Reduces Hepatocyte Death and Liver Fibrosis, Inflammation, and Steatosis in Mouse Models of Nonalcoholic Steatohepatitis. <i>Gastroenterology</i> , 2019, 157, 777-792.e14. | 0.6 | 183 |
| 11 | RNA-binding protein RBM20 represses splicing to orchestrate cardiac pre-mRNA processing. <i>Journal of Clinical Investigation</i> , 2014, 124, 3419-3430. | 3.9 | 176 |
| 12 | Fine Mapping of the 1p36 Deletion Syndrome Identifies Mutation of PRDM16 as a Cause of Cardiomyopathy. <i>American Journal of Human Genetics</i> , 2013, 93, 67-77. | 2.6 | 164 |
| 13 | Recessive TTN truncating mutations define novel forms of core myopathy with heart disease. <i>Human Molecular Genetics</i> , 2014, 23, 980-991. | 1.4 | 149 |
| 14 | Quantitative and Qualitative Proteome Characteristics Extracted from In-Depth Integrated Genomics and Proteomics Analysis. <i>Cell Reports</i> , 2013, 5, 1469-1478. | 2.9 | 113 |
| 15 | 52 Genetic Loci Influencing Myocardial Mass. <i>Journal of the American College of Cardiology</i> , 2016, 68, 1435-1448. | 1.2 | 113 |
| 16 | Alternative Splicing Signatures in RNA-seq Data: Percent Spliced in (PSI). <i>Current Protocols in Human Genetics</i> , 2015, 87, 11.16.1-11.16.14. | 3.5 | 104 |
| 17 | Hiding in Plain Sight: Interleukin-11 Emerges as a Master Regulator of Fibrosis, Tissue Integrity, and Stromal Inflammation. <i>Annual Review of Medicine</i> , 2020, 71, 263-276. | 5.0 | 104 |
| 18 | Characterising the loss-of-function impact of 5' UTR untranscribed region variants in 15,708 individuals. <i>Nature Communications</i> , 2020, 11, 2523. | 5.8 | 99 |

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|----|--|-----|-----------|
| 19 | A mutation in the glutamate-rich region of RNA-binding motif protein 20 causes dilated cardiomyopathy through missplicing of titin and impaired Frank-Starling mechanism. <i>Cardiovascular Research</i> , 2016, 112, 452-463. | 1.8 | 97 |
| 20 | Widespread Translational Control of Fibrosis in the Human Heart by RNA-Binding Proteins. <i>Circulation</i> , 2019, 140, 937-951. | 1.6 | 95 |
| 21 | Genomic landscape of rat strain and substrain variation. <i>BMC Genomics</i> , 2015, 16, 357. | 1.2 | 84 |
| 22 | Development of a Comprehensive Sequencing Assay for Inherited Cardiac Condition Genes. <i>Journal of Cardiovascular Translational Research</i> , 2016, 9, 3-11. | 1.1 | 80 |
| 23 | Translational regulation shapes the molecular landscape of complex disease phenotypes. <i>Nature Communications</i> , 2015, 6, 7200. | 5.8 | 79 |
| 24 | deltaTE: Detection of Translationally Regulated Genes by Integrative Analysis of Ribo-seq and RNA-seq Data. <i>Current Protocols in Molecular Biology</i> , 2019, 129, e108. | 2.9 | 77 |
| 25 | Hepatocyte-specific IL11 cis-signaling drives lipotoxicity and underlies the transition from NAFLD to NASH. <i>Nature Communications</i> , 2021, 12, 66. | 5.8 | 75 |
| 26 | Natural genetic variation of the cardiac transcriptome in non-diseased donors and patients with dilated cardiomyopathy. <i>Genome Biology</i> , 2017, 18, 170. | 3.8 | 70 |
| 27 | IL-11 in cardiac and renal fibrosis: Late to the party but a central player. <i>British Journal of Pharmacology</i> , 2020, 177, 1695-1708. | 2.7 | 59 |
| 28 | Interleukin-11 signaling underlies fibrosis, parenchymal dysfunction, and chronic inflammation of the airway. <i>Experimental and Molecular Medicine</i> , 2020, 52, 1871-1878. | 3.2 | 58 |
| 29 | Coding and non-coding roles of MOCCI (C15ORF48) coordinate to regulate host inflammation and immunity. <i>Nature Communications</i> , 2021, 12, 2130. | 5.8 | 56 |
| 30 | Natural variation of histone modification and its impact on gene expression in the rat genome. <i>Genome Research</i> , 2014, 24, 942-953. | 2.4 | 53 |
| 31 | Wars2 is a determinant of angiogenesis. <i>Nature Communications</i> , 2016, 7, 12061. | 5.8 | 45 |
| 32 | WWP2 regulates pathological cardiac fibrosis by modulating SMAD2 signaling. <i>Nature Communications</i> , 2019, 10, 3616. | 5.8 | 44 |
| 33 | Fibroblast-specific IL11 signaling drives chronic inflammation in murine fibrotic lung disease. <i>FASEB Journal</i> , 2020, 34, 11802-11815. | 0.2 | 44 |
| 34 | Redefining IL11 as a regeneration-limiting hepatotoxin and therapeutic target in acetaminophen-induced liver injury. <i>Science Translational Medicine</i> , 2021, 13, . | 5.8 | 44 |
| 35 | Mimicking the inflammatory cell adhesion cascade by nucleic acid aptamer programmed cell-cell interactions. <i>FASEB Journal</i> , 2011, 25, 3045-3056. | 0.2 | 43 |
| 36 | Interleukin-11 is important for vascular smooth muscle phenotypic switching and aortic inflammation, fibrosis and remodeling in mouse models. <i>Scientific Reports</i> , 2020, 10, 17853. | 1.6 | 43 |

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|----|---|-----|-----------|
| 37 | Transgenic interleukin 11 expression causes cross-tissue fibro-inflammation and an inflammatory bowel phenotype in mice. PLoS ONE, 2020, 15, e0227505. | 1.1 | 41 |
| 38 | A high-resolution map of human RNA translation. Molecular Cell, 2022, 82, 2885-2899.e8. | 4.5 | 37 |
| 39 | IL11 is elevated in systemic sclerosis and IL11-dependent ERK signalling underlies TGF β ² -mediated activation of dermal fibroblasts. Rheumatology, 2021, 60, 5820-5826. | 0.9 | 36 |
| 40 | Molecular Dissection of Pro-Fibrotic IL11 Signaling in Cardiac and Pulmonary Fibroblasts. Frontiers in Molecular Biosciences, 2021, 8, 740650. | 1.6 | 30 |
| 41 | histoneHMM: Differential analysis of histone modifications with broad genomic footprints. BMC Bioinformatics, 2015, 16, 60. | 1.2 | 28 |
| 42 | Similarities and differences between IL11 and IL11RA1 knockout mice for lung fibro-inflammation, fertility and craniosynostosis. Scientific Reports, 2021, 11, 14088. | 1.6 | 26 |
| 43 | Inhibition of IL11 Signaling Reduces Aortic Pathology in Murine Marfan Syndrome. Circulation Research, 2022, 130, 728-740. | 2.0 | 22 |
| 44 | Titin truncations lead to impaired cardiomyocyte autophagy and mitochondrial function in vivo. Human Molecular Genetics, 2019, 28, 1971-1981. | 1.4 | 19 |
| 45 | Protease inhibitor 15, a candidate gene for abdominal aortic internal elastic lamina ruptures in the rat. Physiological Genomics, 2014, 46, 418-428. | 1.0 | 18 |
| 46 | Therapeutic Targeting of Interleukin-11 Signalling Reduces Pressure Overload-Induced Cardiac Fibrosis in Mice. Journal of Cardiovascular Translational Research, 2021, 14, 222-228. | 1.1 | 16 |
| 47 | IL11 Activates Pancreatic Stellate Cells and Causes Pancreatic Inflammation, Fibrosis and Atrophy in a Mouse Model of Pancreatitis. International Journal of Molecular Sciences, 2022, 23, 3549. | 1.8 | 14 |
| 48 | Interleukin-11 drives human and mouse alcohol-related liver disease. Gut, 2023, 72, 168-179. | 6.1 | 13 |
| 49 | <i>ZBTB17</i> (<i>MIZ1</i>) Is Important for the Cardiac Stress Response and a Novel Candidate Gene for Cardiomyopathy and Heart Failure. Circulation: Cardiovascular Genetics, 2015, 8, 643-652. | 5.1 | 12 |
| 50 | Antibody-mediated neutralization of IL11 signalling reduces ERK activation and cardiac fibrosis in a mouse model of severe pressure overload. Clinical and Experimental Pharmacology and Physiology, 2021, 48, 605-613. | 0.9 | 10 |
| 51 | The GYF domain protein CD2BP2 is critical for embryogenesis and podocyte function. Journal of Molecular Cell Biology, 2015, 7, 402-414. | 1.5 | 9 |
| 52 | The pro-regenerative effects of hyperIL6 in drug-induced liver injury are unexpectedly due to competitive inhibition of IL11 signaling. ELife, 2021, 10, . | 2.8 | 9 |
| 53 | Critical Conditions for Studying Interleukin-11 Signaling In Vitro and Avoiding Experimental Artefacts. Current Protocols, 2021, 1, e251. | 1.3 | 5 |
| 54 | Hepatocyte Specific gp130 Signalling Underlies APAP Induced Liver Injury. International Journal of Molecular Sciences, 2022, 23, 7089. | 1.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | 163â€¦Integrated allelic, transcriptional, and phenotypic dissection of the cardiac effects of titin variation in health and disease. <i>Heart</i> , 2015, 101, A93.1-A93. | 1.2 | 0 |
| 56 | Title is missing!. , 2020, 15, e0227505. | | 0 |
| 57 | Title is missing!. , 2020, 15, e0227505. | | 0 |
| 58 | Title is missing!. , 2020, 15, e0227505. | | 0 |
| 59 | Title is missing!. , 2020, 15, e0227505. | | 0 |
| 60 | CLIPreg: constructing translational regulatory networks from CLIP-, Ribo- and RNA-seq. <i>Bioinformatics</i> , 2022, 38, 3651-3653. | 1.8 | 0 |