

Michael Sigal

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,429
citations

623188

14
h-index

580395

25
g-index

29
all docs

29
docs citations

29
times ranked

2132
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Quantitative Imaging of Gut Microbiota Spatial Organization. <i>Cell Host and Microbe</i> , 2015, 18, 478-488. | 5.1 | 359 |
| 2 | <i>Helicobacter pylori</i> Activates and Expands Lgr5+ Stem Cells Through Direct Colonization of the Gastric Glands. <i>Gastroenterology</i> , 2015, 148, 1392-1404.e21. | 0.6 | 199 |
| 3 | Stromal R-spondin orchestrates gastric epithelial stem cells and gland homeostasis. <i>Nature</i> , 2017, 548, 451-455. | 13.7 | 159 |
| 4 | Chemodetection and Destruction of Host Urea Allows <i>Helicobacter pylori</i> to Locate the Epithelium. <i>Cell Host and Microbe</i> , 2015, 18, 147-156. | 5.1 | 141 |
| 5 | <i>Helicobacter pylori</i> Depletes Cholesterol in Gastric Glands to Prevent Interferon Gamma Signaling and Escape the Inflammatory Response. <i>Gastroenterology</i> , 2018, 154, 1391-1404.e9. | 0.6 | 98 |
| 6 | R-spondin 3 promotes stem cell recovery and epithelial regeneration in the colon. <i>Nature Communications</i> , 2019, 10, 4368. | 5.8 | 91 |
| 7 | Genomic aberrations after short-term exposure to colibactin-producing <i>E. coli</i> transform primary colon epithelial cells. <i>Nature Communications</i> , 2021, 12, 1003. | 5.8 | 84 |
| 8 | Epithelial response to IFN γ promotes SARS-CoV-2 infection. <i>EMBO Molecular Medicine</i> , 2021, 13, e13191. | 3.3 | 62 |
| 9 | R-spondin-3 induces secretory, antimicrobial Lgr5+ cells in the stomach. <i>Nature Cell Biology</i> , 2019, 21, 812-823. | 4.6 | 53 |
| 10 | The Role of Wnt and R-spondin in the Stomach During Health and Disease. <i>Biomedicines</i> , 2019, 7, 44. | 1.4 | 22 |
| 11 | The Role of Microbiota in Primary Sclerosing Cholangitis and Related Biliary Malignancies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6975. | 1.8 | 22 |
| 12 | Stem Cells, <i>Helicobacter pylori</i> , and Mutational Landscape: Utility of Preclinical Models to Understand Carcinogenesis and to Direct Management of Gastric Cancer. <i>Gastroenterology</i> , 2022, 162, 1067-1087. | 0.6 | 21 |
| 13 | BMP feed-forward loop promotes terminal differentiation in gastric glands and is interrupted by <i>H. pylori</i> -driven inflammation. <i>Nature Communications</i> , 2022, 13, 1577. | 5.8 | 19 |
| 14 | High Yap and Mll1 promote a persistent regenerative cell state induced by Notch signaling and loss of p53. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 16 |
| 15 | Gastric stem cells promote inflammation and gland remodeling in response to <i>Helicobacter pylori</i> via Rspo3-Lgr4 axis. <i>EMBO Journal</i> , 2022, 41, . | 3.5 | 13 |
| 16 | Darbepoetin- α inhibits the perpetuation of necro-inflammation and delays the progression of cholestatic fibrosis in mice. <i>Laboratory Investigation</i> , 2010, 90, 1447-1456. | 1.7 | 12 |
| 17 | Coevolution between the Human Microbiota and the Epithelial Immune System. <i>Digestive Diseases</i> , 2016, 34, 190-193. | 0.8 | 12 |
| 18 | Defence and adaptation mechanisms of the intestinal epithelium upon infection. <i>International Journal of Medical Microbiology</i> , 2021, 311, 151486. | 1.5 | 11 |

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|----|--|-----|-----------|
| 19 | Microbe-Driven Genotoxicity in Gastrointestinal Carcinogenesis. International Journal of Molecular Sciences, 2020, 21, 7439. | 1.8 | 10 |
| 20 | Responses of gastric epithelial stem cells and their niche to Helicobacter pylori infection. Annals of Translational Medicine, 2020, 8, 568-568. | 0.7 | 8 |
| 21 | Epigenetic modifier balances Mapk and Wnt signalling in differentiation of goblet and Paneth cells. Life Science Alliance, 2022, 5, e202101187. | 1.3 | 6 |
| 22 | Microbiome and Diseases: Colorectal Cancer. , 2018, , 231-249. | | 4 |
| 23 | Elevated Flt3L Predicts Long-Term Survival in Patients with High-Grade Gastroenteropancreatic Neuroendocrine Neoplasms. Cancers, 2021, 13, 4463. | 1.7 | 2 |
| 24 | Hepatoprotection in bile duct ligated mice mediated by darbepoetin- α is not caused by changes in hepatobiliary transporter expression. International Journal of Clinical and Experimental Pathology, 2013, 6, 80-90. | 0.5 | 2 |
| 25 | Soluble Urokinase Plasminogen Activator Receptor Levels Are Associated with Severity of Fibrosis in Patients with Primary Sclerosing Cholangitis. Journal of Clinical Medicine, 2022, 11, 2479. | 1.0 | 2 |
| 26 | 603 Helicobacter pylori Activates Gastric Epithelial Stem Cell Through Direct Colonization of the Gastric Glands. Gastroenterology, 2015, 148, S-117. | 0.6 | 0 |
| 27 | R-spondin-3 reguliert die mukosale Wundheilung im Kontext einer Kolitis durch Rekrutierung differenzierter Zellen zum epithelialen Stammzellpool. Zeitschrift Fur Gastroenterologie, 2019, 57, . | 0.2 | 0 |
| 28 | 29â€¦Elevated Flt3L predicts long-term survival in patients with high-grade gastroenteropancreatic neuroendocrine neoplasms. , 2021, 9, A34-A34. | | 0 |