

Senad Divanovic

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

3,190
citations

218677

26
h-index

182427

51
g-index

54
all docs

54
docs citations

54
times ranked

6032
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Negative regulation of Toll-like receptor 4 signaling by the Toll-like receptor homolog RP105. <i>Nature Immunology</i> , 2005, 6, 571-578. | 14.5 | 348 |
| 2 | Alternatively activated macrophages do not synthesize catecholamines or contribute to adipose tissue adaptive thermogenesis. <i>Nature Medicine</i> , 2017, 23, 623-630. | 30.7 | 282 |
| 3 | Nonredundant Roles for B Cell-Derived IL-10 in Immune Counter-Regulation. <i>Journal of Immunology</i> , 2009, 183, 2312-2320. | 0.8 | 271 |
| 4 | Inflammation and preterm birth. <i>Journal of Leukocyte Biology</i> , 2016, 99, 67-78. | 3.3 | 227 |
| 5 | IL-17 signaling accelerates the progression of nonalcoholic fatty liver disease in mice. <i>Hepatology</i> , 2014, 59, 1830-1839. | 7.3 | 202 |
| 6 | Thermoneutral housing exacerbates nonalcoholic fatty liver disease in mice and allows for sex-independent disease modeling. <i>Nature Medicine</i> , 2017, 23, 829-838. | 30.7 | 178 |
| 7 | Fructose and hepatic insulin resistance. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2020, 57, 308-322. | 6.1 | 122 |
| 8 | Opposing Biological Functions of Tryptophan Catabolizing Enzymes During Intracellular Infection. <i>Journal of Infectious Diseases</i> , 2012, 205, 152-161. | 4.0 | 121 |
| 9 | GWAS and enrichment analyses of non-alcoholic fatty liver disease identify new trait-associated genes and pathways across eMERGE Network. <i>BMC Medicine</i> , 2019, 17, 135. | 5.5 | 110 |
| 10 | Thrombin promotes diet-induced obesity through fibrin-driven inflammation. <i>Journal of Clinical Investigation</i> , 2017, 127, 3152-3166. | 8.2 | 89 |
| 11 | Liver-Specific Deletion of Augmenter of Liver Regeneration Accelerates Development of Steatohepatitis and Hepatocellular Carcinoma in Mice. <i>Gastroenterology</i> , 2015, 148, 379-391.e4. | 1.3 | 85 |
| 12 | Regulation of Inflammation by IL-17A and IL-17F Modulates Non-Alcoholic Fatty Liver Disease Pathogenesis. <i>PLoS ONE</i> , 2016, 11, e0149783. | 2.5 | 84 |
| 13 | IL-17 Axis Driven Inflammation in Non-Alcoholic Fatty Liver Disease Progression. <i>Current Drug Targets</i> , 2015, 16, 1315-1323. | 2.1 | 71 |
| 14 | IL-10-producing Tfh cells accumulate with age and link inflammation with age-related immune suppression. <i>Science Advances</i> , 2020, 6, eabb0806. | 10.3 | 67 |
| 15 | Modulation of ambient temperature promotes inflammation and initiates atherosclerosis in wild type C57BL/6 mice. <i>Molecular Metabolism</i> , 2016, 5, 1121-1130. | 6.5 | 63 |
| 16 | Peroxisomal β -oxidation regulates whole body metabolism, inflammatory vigor, and pathogenesis of nonalcoholic fatty liver disease. <i>JCI Insight</i> , 2018, 3, . | 5.0 | 61 |
| 17 | PKM2-dependent metabolic skewing of hepatic Th17 cells regulates pathogenesis of non-alcoholic fatty liver disease. <i>Cell Metabolism</i> , 2021, 33, 1187-1204.e9. | 16.2 | 60 |
| 18 | Circadian rhythm disruption impairs tissue homeostasis and exacerbates chronic inflammation in the intestine. <i>FASEB Journal</i> , 2017, 31, 4707-4719. | 0.5 | 59 |

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|----|---|------|-----------|
| 19 | IL-6 and ICOS Antagonize Bim and Promote Regulatory T Cell Accrual with Age. <i>Journal of Immunology</i> , 2015, 195, 944-952. | 0.8 | 58 |
| 20 | Macrophage Function in the Pathogenesis of Non-alcoholic Fatty Liver Disease: The Mac Attack. <i>Frontiers in Immunology</i> , 2019, 10, 2893. | 4.8 | 58 |
| 21 | Type I interferons regulate susceptibility to inflammation-induced preterm birth. <i>JCI Insight</i> , 2017, 2, e91288. | 5.0 | 56 |
| 22 | Contributions of the Three CYP1 Monooxygenases to Pro-Inflammatory and Inflammation-Resolution Lipid Mediator Pathways. <i>Journal of Immunology</i> , 2013, 191, 3347-3357. | 0.8 | 50 |
| 23 | Mitochondrial gene polymorphisms alter hepatic cellular energy metabolism and aggravate diet-induced non-alcoholic steatohepatitis. <i>Molecular Metabolism</i> , 2016, 5, 283-295. | 6.5 | 45 |
| 24 | Type I interferon sensing unlocks dormant adipocyte inflammatory potential. <i>Nature Communications</i> , 2020, 11, 2745. | 12.8 | 41 |
| 25 | IL-4 Induces Metallothionein 3- and SLC30A4-Dependent Increase in Intracellular Zn ²⁺ that Promotes Pathogen Persistence in Macrophages. <i>Cell Reports</i> , 2016, 16, 3232-3246. | 6.4 | 38 |
| 26 | Hepatic Ago2-mediated RNA silencing controls energy metabolism linked to AMPK activation and obesity-associated pathophysiology. <i>Nature Communications</i> , 2018, 9, 3658. | 12.8 | 29 |
| 27 | Metallothionein 3 Controls the Phenotype and Metabolic Programming of Alternatively Activated Macrophages. <i>Cell Reports</i> , 2019, 27, 3873-3886.e7. | 6.4 | 29 |
| 28 | Lampe1: An ENU-Germline Mutation Causing Spontaneous Hepatosteatorosis Identified through Targeted Exon-Enrichment and Next-Generation Sequencing. <i>PLoS ONE</i> , 2011, 6, e21979. | 2.5 | 23 |
| 29 | Obeticholic acid ameliorates severity of <i>Clostridioides difficile</i> infection in high fat diet-induced obese mice. <i>Mucosal Immunology</i> , 2021, 14, 500-510. | 6.0 | 21 |
| 30 | Myeloid-derived NF- κ B negative regulation of PU.1 and c/EBP- β -driven pro-inflammatory cytokine production restrains LPS-induced shock. <i>Innate Immunity</i> , 2017, 23, 175-187. | 2.4 | 20 |
| 31 | Maternal regulation of inflammatory cues is required for induction of preterm birth. <i>JCI Insight</i> , 2020, 5, . | 5.0 | 20 |
| 32 | Inflammation and Immunity: From an Adipocyte's Perspective. <i>Journal of Interferon and Cytokine Research</i> , 2019, 39, 459-471. | 1.2 | 19 |
| 33 | Microbial metabolite butyrate promotes induction of IL-10+IgM+ plasma cells. <i>PLoS ONE</i> , 2022, 17, e0266071. | 2.5 | 18 |
| 34 | A BAFF/APRIL axis regulates obesogenic diet-driven weight gain. <i>Nature Communications</i> , 2021, 12, 2911. | 12.8 | 17 |
| 35 | Differential outcomes of TLR2 engagement in inflammation-induced preterm birth. <i>Journal of Leukocyte Biology</i> , 2018, 103, 535-543. | 3.3 | 16 |
| 36 | Adipocyte inflammation and pathogenesis of viral pneumonias: an overlooked contribution. <i>Mucosal Immunology</i> , 2021, 14, 1224-1234. | 6.0 | 16 |

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|----|--|------|-----------|
| 37 | Cnr2 Deficiency Confers Resistance to Inflammation-Induced Preterm Birth in Mice. <i>Endocrinology</i> , 2014, 155, 4006-4014. | 2.8 | 15 |
| 38 | The induction of preterm labor in rhesus macaques is determined by the strength of immune response to intrauterine infection. <i>PLoS Biology</i> , 2021, 19, e3001385. | 5.6 | 13 |
| 39 | Nicotinamide adenine dinucleotide phosphate (reduced) oxidase 2 modulates inflammatory vigor during nonalcoholic fatty liver disease progression in mice. <i>Hepatology Communications</i> , 2018, 2, 546-560. | 4.3 | 12 |
| 40 | Cutting Edge: Regulation of TLR4-Driven B Cell Proliferation by RP105 Is Not B Cell Autonomous. <i>Journal of Immunology</i> , 2012, 188, 2065-2069. | 0.8 | 11 |
| 41 | Short-term high-fat diet feeding protects from the development of experimental allergic asthma in mice. <i>Clinical and Experimental Allergy</i> , 2019, 49, 1245-1257. | 2.9 | 10 |
| 42 | Implications of Inflammatory States on Dysfunctional Immune Responses in Aging and Obesity. <i>Frontiers in Aging</i> , 2021, 2, . | 2.6 | 10 |
| 43 | Therapeutic Enhancement of Protective Immunity during Experimental Leishmaniasis. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1316. | 3.0 | 8 |
| 44 | Aging mitigates the severity of obesity-associated metabolic sequelae in a gender independent manner. <i>Nutrition and Diabetes</i> , 2021, 11, 15. | 3.2 | 8 |
| 45 | Thermoneutrality Alters Gastrointestinal Antigen Passage Patterning and Predisposes to Oral Antigen Sensitization in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 636198. | 4.8 | 7 |
| 46 | PIR-B Regulates CD4+ IL17a+ T-Cell Survival and Restricts T-Cell-Dependent Intestinal Inflammatory Responses. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 1479-1502. | 4.5 | 5 |
| 47 | Not Chopped Liver—A Careful, Fate-Mapping Study of Macrophages in NASH. <i>Cell Metabolism</i> , 2020, 32, 328-330. | 16.2 | 4 |
| 48 | Non-hematopoietic IL-4R α expression contributes to fructose-driven obesity and metabolic sequelae. <i>International Journal of Obesity</i> , 2021, 45, 2377-2387. | 3.4 | 4 |
| 49 | A protocol for isolation of primary human immune cells from the liver and mesenteric white adipose tissue biopsies. <i>STAR Protocols</i> , 2021, 2, 100937. | 1.2 | 4 |
| 50 | Greasing the inflammatory pathogenesis of viral pneumonias in diabetes. <i>Obesity Reviews</i> , 2022, 23, . | 6.5 | 3 |
| 51 | Purification and Functional Characterization of the Chloroform/Methanol-Soluble Protein 3 (CM3) From <i>Triticum aestivum</i> in <i>Drosophila melanogaster</i> . <i>Frontiers in Nutrition</i> , 2020, 7, 607937. | 3.7 | 2 |
| 52 | Host Fibrinogen and the S. Aureus-Encoded Procoagulant Vwbp Are Context-Dependent Determinants of Bacterial Virulence.. <i>Blood</i> , 2010, 116, 1152-1152. | 1.4 | 0 |