

Ruben Zamora

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,612
citations

331259

21
h-index

329751

37
g-index

60
all docs

60
docs citations

60
times ranked

1436
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | IRF3 Signaling within the Mouse Stroma Influences Sepsis Pathogenesis. <i>Journal of Immunology</i> , 2021, 206, 398-409. | 0.4 | 8 |
| 2 | Exercise Training Decreases Hepatic Injury and Metastases Through Changes in Immune Response to Liver Ischemia/Reperfusion in Mice. <i>Hepatology</i> , 2021, 73, 2494-2509. | 3.6 | 19 |
| 3 | Machine learning and mechanistic computational modeling of inflammation as tools for designing immunomodulatory biomaterials. , 2021, , 251-272. | | 2 |
| 4 | Analysis of the Plasma Metabolome after Trauma, Novel Circulating Sphingolipid Signatures, and In-Hospital Outcomes. <i>Journal of the American College of Surgeons</i> , 2021, 232, 276-287e1. | 0.2 | 17 |
| 5 | A putative chemokine switch that regulates systemic acute inflammation in humans. <i>Scientific Reports</i> , 2021, 11, 9703. | 1.6 | 12 |
| 6 | The Use of Multiplexing to Identify Cytokine and Chemokine Networks in the Immune-Inflammatory Response to Trauma. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 1393-1406. | 2.5 | 8 |
| 7 | The Effects of Tacrolimus on Tissue-Specific, Protein-Level Inflammatory Networks in Vascularized Composite Allotransplantation. <i>Frontiers in Immunology</i> , 2021, 12, 591154. | 2.2 | 5 |
| 8 | Spatiotemporally specific roles of TLR4, TNF, and IL-17A in murine endotoxin-induced inflammation inferred from analysis of dynamic networks. <i>Molecular Medicine</i> , 2021, 27, 65. | 1.9 | 14 |
| 9 | Early dynamic orchestration of immunologic mediators identifies multiply injured patients who are tolerant or sensitive to hemorrhage. <i>Journal of Trauma and Acute Care Surgery</i> , 2021, 90, 441-450. | 1.1 | 8 |
| 10 | Inflammatory signals and network connections implicate cell-mediated immunity in chronic venous insufficiency. <i>Annals of Translational Medicine</i> , 2021, 9, 1643-1643. | 0.7 | 1 |
| 11 | An Aging-Related Single-Nucleotide Polymorphism is Associated With Altered Clinical Outcomes and Distinct Inflammatory Profiles in Aged Blunt Trauma Patients. <i>Shock</i> , 2020, 53, 146-155. | 1.0 | 6 |
| 12 | Association Between Inflammatory Pathways and Phenotypes of Pulmonary Dysfunction Using Cluster Analysis in Persons Living With HIV and HIV-Uninfected Individuals. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2020, 83, 189-196. | 0.9 | 12 |
| 13 | Computational Derivation of Core, Dynamic Human Blunt Trauma Inflammatory Endotypes. <i>Frontiers in Immunology</i> , 2020, 11, 589304. | 2.2 | 12 |
| 14 | Dynamics of Systemic Inflammation as a Function of Developmental Stage in Pediatric Acute Liver Failure. <i>Frontiers in Immunology</i> , 2020, 11, 610861. | 2.2 | 4 |
| 15 | Insights into the association between coagulopathy and inflammation: abnormal clot mechanics are a warning of immunologic dysregulation following major injury. <i>Annals of Translational Medicine</i> , 2020, 8, 1576-1576. | 0.7 | 7 |
| 16 | Diurnal Variation in Systemic Acute Inflammation and Clinical Outcomes Following Severe Blunt Trauma. <i>Frontiers in Immunology</i> , 2019, 10, 2699. | 2.2 | 10 |
| 17 | Computational evidence for an early, amplified systemic inflammation program in polytrauma patients with severe extremity injuries. <i>PLoS ONE</i> , 2019, 14, e0217577. | 1.1 | 26 |
| 18 | HMGB1 is a Central Driver of Dynamic Pro-inflammatory Networks in Pediatric Acute Liver Failure induced by Acetaminophen. <i>Scientific Reports</i> , 2019, 9, 5971. | 1.6 | 18 |

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|----|--|-----|-----------|
| 19 | MPPED2 Polymorphism Is Associated With Altered Systemic Inflammation and Adverse Trauma Outcomes. <i>Frontiers in Genetics</i> , 2019, 10, 1115. | 1.1 | 11 |
| 20 | Hepatic Encephalopathy in Children With Acute Liver Failure. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2019, 69, 108-115. | 0.9 | 14 |
| 21 | Computational Analysis Supports IL-17A as a Central Driver of Neutrophil Extracellular Trap-Mediated Injury in Liver Ischemia Reperfusion. <i>Journal of Immunology</i> , 2019, 202, 268-277. | 0.4 | 25 |
| 22 | Decoding the secreted inflammatory response of primary human hepatocytes to hypoxic stress in vitro. <i>Annals of Translational Medicine</i> , 2019, 7, 371-371. | 0.7 | 3 |
| 23 | Suppressed networks of inflammatory mediators characterize chronic venous insufficiency. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2018, 6, 358-366. | 0.9 | 15 |
| 24 | An Enrichment Strategy Yields Seven Novel Single Nucleotide Polymorphisms Associated With Mortality and Altered Th17 Responses Following Blunt Trauma. <i>Shock</i> , 2018, 49, 259-268. | 1.0 | 27 |
| 25 | A computational analysis of dynamic, multi-organ inflammatory crosstalk induced by endotoxin in mice. <i>PLoS Computational Biology</i> , 2018, 14, e1006582. | 1.5 | 18 |
| 26 | Inflammation and disease: Modelling and modulation of the inflammatory response to alleviate critical illness. <i>Current Opinion in Systems Biology</i> , 2018, 12, 22-29. | 1.3 | 18 |
| 27 | Differential inflammatory networks distinguish responses to bone marrow-derived versus adipose-derived mesenchymal stem cell therapies in vascularized composite allotransplantation. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 83, S50-S58. | 1.1 | 12 |
| 28 | “Thinking” vs. “Talking”: Differential Autocrine Inflammatory Networks in Isolated Primary Hepatic Stellate Cells and Hepatocytes under Hypoxic Stress. <i>Frontiers in Physiology</i> , 2017, 8, 1104. | 1.3 | 4 |
| 29 | Dynamic Data-Driven Modeling for Ex Vivo Data Analysis: Insights into Liver Transplantation and Pathobiology. <i>Computation</i> , 2017, 5, 46. | 1.0 | 2 |
| 30 | Toll-Like Receptor 4 on both Myeloid Cells and Dendritic Cells Is Required for Systemic Inflammation and Organ Damage after Hemorrhagic Shock with Tissue Trauma in Mice. <i>Frontiers in Immunology</i> , 2017, 8, 1672. | 2.2 | 15 |
| 31 | Data-Driven Modeling for Precision Medicine in Pediatric Acute Liver Failure. <i>Molecular Medicine</i> , 2016, 22, 821-829. | 1.9 | 45 |
| 32 | Dynamic Profiling: Modeling the Dynamics of Inflammation and Predicting Outcomes in Traumatic Brain Injury Patients. <i>Frontiers in Pharmacology</i> , 2016, 7, 383. | 1.6 | 13 |
| 33 | Machine Perfusion of Porcine Livers with Oxygen-Carrying Solution Results in Reprogramming of Dynamic Inflammation Networks. <i>Frontiers in Pharmacology</i> , 2016, 7, 413. | 1.6 | 12 |
| 34 | Computational Analysis Supports an Early, Type 17 Cell-Associated Divergence of Blunt Trauma Survival and Mortality*. <i>Critical Care Medicine</i> , 2016, 44, e1074-e1081. | 0.4 | 76 |
| 35 | Individual-specific principal component analysis of circulating inflammatory mediators predicts early organ dysfunction in trauma patients. <i>Journal of Critical Care</i> , 2016, 36, 146-153. | 1.0 | 55 |
| 36 | Prehospital Hypotension Is Associated With Altered Inflammation Dynamics and Worse Outcomes Following Blunt Trauma in Humans*. <i>Critical Care Medicine</i> , 2015, 43, 1395-1404. | 0.4 | 57 |

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|----|---|-----|-----------|
| 37 | Impact of Injury Severity on Dynamic Inflammation Networks Following Blunt Trauma. <i>Shock</i> , 2015, 44, 101-109. | 1.0 | 61 |
| 38 | Cardiac Arrest Disrupts Caspase-1 and Patterns of Inflammatory Mediators Differently in Skin and Muscle Following Localized Tissue Injury in Rats: Insights from Data-Driven Modeling. <i>Frontiers in Immunology</i> , 2015, 6, 587. | 2.2 | 6 |
| 39 | Insights into the Role of Chemokines, Damage-Associated Molecular Patterns, and Lymphocyte-Derived Mediators from Computational Models of Trauma-Induced Inflammation. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1370-1387. | 2.5 | 82 |
| 40 | Injury-induced MRP8/MRP14 stimulates IP-10/CXCL10 in monocytes/macrophages. <i>FASEB Journal</i> , 2015, 29, 250-262. | 0.2 | 48 |
| 41 | Trauma in silico: Individual-specific mathematical models and virtual clinical populations. <i>Science Translational Medicine</i> , 2015, 7, 285ra61. | 5.8 | 66 |
| 42 | Impact of chemically-modified tetracycline 3 on intertwined physiological, biochemical, and inflammatory networks in porcine sepsis/ARDS. <i>International Journal of Burns and Trauma</i> , 2015, 5, 22-35. | 0.2 | 17 |
| 43 | Inducible Protein-10, a Potential Driver of Neurally Controlled Interleukin-10 and Morbidity in Human Blunt Trauma*. <i>Critical Care Medicine</i> , 2014, 42, 1487-1497. | 0.4 | 57 |
| 44 | Combined In Silico, In Vivo, and In Vitro Studies Shed Insights into the Acute Inflammatory Response in Middle-Aged Mice. <i>PLoS ONE</i> , 2013, 8, e67419. | 1.1 | 18 |
| 45 | Central Role for MCP-1/CCL2 in Injury-Induced Inflammation Revealed by In Vitro, In Silico, and Clinical Studies. <i>PLoS ONE</i> , 2013, 8, e79804. | 1.1 | 91 |
| 46 | A Biohybrid Device for the Systemic Control of Acute Inflammation. <i>Disruptive Science and Technology</i> , 2012, 1, 20-27. | 1.0 | 11 |
| 47 | A two-compartment mathematical model of endotoxin-induced inflammatory and physiologic alterations in swine*. <i>Critical Care Medicine</i> , 2012, 40, 1052-1063. | 0.4 | 72 |
| 48 | Identification of a Novel Pathway of Transforming Growth Factor- β 1 Regulation by Extracellular NAD ⁺ in Mouse Macrophages. <i>Journal of Biological Chemistry</i> , 2012, 287, 31003-31014. | 1.6 | 5 |
| 49 | Hemoabsorption Reprograms Inflammation in Experimental Gram-negative Septic Peritonitis: Insights from In Vivo and In Silico Studies. <i>Molecular Medicine</i> , 2012, 18, 1366-1374. | 1.9 | 52 |
| 50 | A Dynamic View of Trauma/Hemorrhage-Induced Inflammation in Mice: Principal Drivers and Networks. <i>PLoS ONE</i> , 2011, 6, e19424. | 1.1 | 102 |
| 51 | Translational Systems Approaches to the Biology of Inflammation and Healing. <i>Immunopharmacology and Immunotoxicology</i> , 2010, 32, 181-195. | 1.1 | 78 |
| 52 | MATHEMATICAL MODELING OF POSTHEMORRHAGE INFLAMMATION IN MICE. <i>Shock</i> , 2009, 32, 172-178. | 1.0 | 49 |
| 53 | Expression and subcellular localization of BNIP3 in hypoxic hepatocytes and liver stress. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G499-G509. | 1.6 | 36 |
| 54 | A simple, rapid, and convenient Luminex-compatible method of tissue isolation. <i>Journal of Clinical Laboratory Analysis</i> , 2008, 22, 278-281. | 0.9 | 18 |

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|----|--|-----|-----------|
| 55 | Transforming growth factor- β^2 in critical illness. <i>Critical Care Medicine</i> , 2005, 33, S478-S481. | 0.4 | 6 |
| 56 | Nitrosative stress in an animal model of necrotizing enterocolitis. <i>Free Radical Biology and Medicine</i> , 2005, 39, 1428-1437. | 1.3 | 28 |
| 57 | Intestinal and hepatic expression of BNIP3 in necrotizing enterocolitis: regulation by nitric oxide and peroxynitrite. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 289, G822-G830. | 1.6 | 23 |
| 58 | A DNA microarray study of nitric oxide-induced genes in mouse hepatocytes: implications for hepatic heme oxygenase-1 expression in ischemia/reperfusion. <i>Nitric Oxide - Biology and Chemistry</i> , 2002, 7, 165-186. | 1.2 | 60 |
| 59 | Inferring Tissue-Specific, TLR4-Dependent Type 17 Immune Interactions in Experimental Trauma/Hemorrhagic Shock and Resuscitation Using Computational Modeling. <i>Frontiers in Immunology</i> , 0, 13, . | 2.2 | 8 |