

Saurabh Chatterjee

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

7,094
citations

172443

29
h-index

91872

69
g-index

75
all docs

75
docs citations

75
times ranked

16426
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Host gut resistome in Gulf War chronic multisymptom illness correlates with persistent inflammation. <i>Communications Biology</i> , 2022, 5, . | 4.4 | 4 |
| 2 | Prior exposure to microcystin alters host gut resistome and is associated with dysregulated immune homeostasis in translatable mouse models. <i>Scientific Reports</i> , 2022, 12, . | 3.3 | 6 |
| 3 | AhR Ligands Differentially Regulate miRNA-132 Which Targets HMGB1 and to Control the Differentiation of Tregs and Th-17 Cells During Delayed-Type Hypersensitivity Response. <i>Frontiers in Immunology</i> , 2021, 12, 635903. | 4.8 | 22 |
| 4 | Differential influences of (Δ±) anatoxin-a on photolocomotor behavior and gene transcription in larval zebrafish and fathead minnows. <i>Environmental Sciences Europe</i> , 2021, 33, . | 5.5 | 6 |
| 5 | Environmental organophosphate co-exposure in pre-existing systemic inflammation can increase susceptibility to SARS-CoV-2 infection in human lung epithelial cells. <i>FASEB Journal</i> , 2021, 35, . | 0.5 | 2 |
| 6 | Prolonged Antibiotic Use Worsens Neuroinflammation and Increases the Risk of Neurodegeneration via Elevated Expression of Systemic IL-6 in Gulf War Illness Symptom Persistence Murine Model. <i>FASEB Journal</i> , 2021, 35, . | 0.5 | 0 |
| 7 | Andrographolide Treatment Lessens Localized, Systemic Inflammation and Improves Other Pathophysiological Traits in a Mouse Model of Gulf War Illness. <i>FASEB Journal</i> , 2021, 35, . | 0.5 | 0 |
| 8 | Microcystin-LR Exacerbates Neuroinflammation and Neurodegeneration in Nonalcoholic Fatty Liver Disease. <i>FASEB Journal</i> , 2021, 35, . | 0.5 | 1 |
| 9 | Andrographolide Attenuates Gut-Brain-Axis Associated Pathology in Gulf War Illness by Modulating Bacteriome-Virome Associated Inflammation and Microglia-Neuron Proinflammatory Crosstalk. <i>Brain Sciences</i> , 2021, 11, 905. | 2.3 | 13 |
| 10 | Environmental Microcystin exposure in underlying NAFLD-induced exacerbation of neuroinflammation, blood-brain barrier dysfunction, and neurodegeneration are NLRP3 and S100B dependent. <i>Toxicology</i> , 2021, 461, 152901. | 4.2 | 14 |
| 11 | Host gut microbiome and potential therapeutics in Gulf War Illness: A short review. <i>Life Sciences</i> , 2021, 280, 119717. | 4.3 | 3 |
| 12 | Endocannabinoid Anandamide Attenuates Acute Respiratory Distress Syndrome through Modulation of Microbiome in the Gut-Lung Axis. <i>Cells</i> , 2021, 10, 3305. | 4.1 | 15 |
| 13 | Microcystin exposure worsens nonalcoholic fatty liver disease associated ectopic glomerular toxicity via NOX-2-MIR21 axis. <i>Environmental Toxicology and Pharmacology</i> , 2020, 73, 103281. | 4.0 | 9 |
| 14 | Higher intestinal and circulatory lactate associated NOX2 activation leads to an ectopic fibrotic pathology following microcystin co-exposure in murine fatty liver disease. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 238, 108854. | 2.6 | 8 |
| 15 | Early microcystin-LR exposure-linked inflammasome activation in mice causes development of fatty liver disease and insulin resistance. <i>Environmental Toxicology and Pharmacology</i> , 2020, 80, 103457. | 4.0 | 18 |
| 16 | Health impacts of environmental contamination of micro- and nanoplastics: a review. <i>Environmental Health and Preventive Medicine</i> , 2020, 25, 29. | 3.4 | 180 |
| 17 | Protective effects of Δ ⁹ -tetrahydrocannabinol against enterotoxin-induced acute respiratory distress syndrome are mediated by modulation of microbiota. <i>British Journal of Pharmacology</i> , 2020, 177, 5078-5095. | 5.4 | 37 |
| 18 | Obesity Worsens Gulf War Illness Symptom Persistence Pathology by Linking Altered Gut Microbiome Species to Long-Term Gastrointestinal, Hepatic, and Neuronal Inflammation in a Mouse Model. <i>Nutrients</i> , 2020, 12, 2764. | 4.1 | 23 |

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|----|---|------|-----------|
| 19 | Host <i>Akkermansia muciniphila</i> Abundance Correlates With Gulf War Illness Symptom Persistence via NLRP3-Mediated Neuroinflammation and Decreased Brain-Derived Neurotrophic Factor. Neuroscience Insights, 2020, 15, 263310552094248. | 1.6 | 28 |
| 20 | TLR Antagonism by Sparstolonin B Alters Microbial Signature and Modulates Gastrointestinal and Neuronal Inflammation in Gulf War Illness Preclinical Model. Brain Sciences, 2020, 10, 532. | 2.3 | 15 |
| 21 | Global scanning of cylindrospermopsin: Critical review and analysis of aquatic occurrence, bioaccumulation, toxicity and health hazards. Science of the Total Environment, 2020, 738, 139807. | 8.0 | 43 |
| 22 | Lipocalin 2 induces neuroinflammation and blood-brain barrier dysfunction through liver-brain axis in murine model of nonalcoholic steatohepatitis. Journal of Neuroinflammation, 2020, 17, 201. | 7.2 | 48 |
| 23 | A closed vitrification system enables a murine ovarian follicle bank for high-throughput ovotoxicity screening, which identifies endocrine disrupting activity of microcystins. Reproductive Toxicology, 2020, 93, 118-130. | 2.9 | 16 |
| 24 | Indole-3-carbinol prevents colitis and associated microbial dysbiosis in an IL-22-dependent manner. JCI Insight, 2020, 5, . | 5.0 | 78 |
| 25 | Exogenous PP2A inhibitor exacerbates the progression of nonalcoholic fatty liver disease via NOX2-dependent activation of miR21. American Journal of Physiology - Renal Physiology, 2019, 317, G408-G428. | 3.4 | 28 |
| 26 | Doxorubicin obliterates mouse ovarian reserve through both primordial follicle atresia and overactivation. Toxicology and Applied Pharmacology, 2019, 381, 114714. | 2.8 | 30 |
| 27 | Dysbiosis-Associated Enteric Glial Cell Immune-Activation and Redox Imbalance Modulate Tight Junction Protein Expression in Gulf War Illness Pathology. Frontiers in Physiology, 2019, 10, 1229. | 2.8 | 27 |
| 28 | Gut DNA Virome Diversity and Its Association with Host Bacteria Regulate Inflammatory Phenotype and Neuronal Immunotoxicity in Experimental Gulf War Illness. Viruses, 2019, 11, 968. | 3.3 | 42 |
| 29 | The Gut-Microbiome in Gulf War Veterans: A Preliminary Report. International Journal of Environmental Research and Public Health, 2019, 16, 3751. | 2.6 | 38 |
| 30 | Environmental microcystin targets the microbiome and increases the risk of intestinal inflammatory pathology via NOX2 in underlying murine model of Nonalcoholic Fatty Liver Disease. Scientific Reports, 2019, 9, 8742. | 3.3 | 35 |
| 31 | MicroRNA Expression as an Indicator of Tissue Toxicity and a Biomarker in Disease and Drug-Induced Toxicological Evaluation. , 2019, , 1047-1072. | | 0 |
| 32 | AhR Activation Leads to Massive Mobilization of Myeloid-Derived Suppressor Cells with Immunosuppressive Activity through Regulation of CXCR2 and MicroRNA miR-150-5p and miR-543-3p That Target Anti-Inflammatory Genes. Journal of Immunology, 2019, 203, 1830-1844. | 0.8 | 60 |
| 33 | Toxicity of polycyclic aromatic hydrocarbons involves NOX2 activation. Toxicology Reports, 2019, 6, 1176-1181. | 3.3 | 13 |
| 34 | Resveratrol protects mice against SEB-induced acute lung injury and mortality by miR-193a modulation that targets TGF- signaling. Journal of Cellular and Molecular Medicine, 2018, 22, 2644-2655. | 3.6 | 58 |
| 35 | High circulatory leptin mediated NOX-2-peroxynitrite-miR21 axis activate mesangial cells and promotes renal inflammatory pathology in nonalcoholic fatty liver disease. Redox Biology, 2018, 17, 1-15. | 9.0 | 27 |
| 36 | Time of the day dictates the variability of biomarkers of exposure to disinfection byproducts. Environment International, 2018, 112, 33-40. | 10.0 | 14 |

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|----|---|------|-----------|
| 37 | Resveratrol-Mediated Attenuation of Staphylococcus aureus Enterotoxin B-Induced Acute Liver Injury Is Associated With Regulation of microRNA and Induction of Myeloid-Derived Suppressor Cells. <i>Frontiers in Microbiology</i> , 2018, 9, 2910. | 3.5 | 15 |
| 38 | Resveratrol Attenuates Allergic Asthma and Associated Inflammation in the Lungs Through Regulation of miRNA-34a That Targets FoxP3 in Mice. <i>Frontiers in Immunology</i> , 2018, 9, 2992. | 4.8 | 69 |
| 39 | Sparstolonin B (SsnB) attenuates liver fibrosis via a parallel conjugate pathway involving P53-P21 axis, TGF-beta signaling and focal adhesion that is TLR4 dependent. <i>European Journal of Pharmacology</i> , 2018, 841, 33-48. | 3.5 | 26 |
| 40 | Activation of Aflatoxin Biosynthesis Alleviates Total ROS in <i>Aspergillus parasiticus</i> . <i>Toxins</i> , 2018, 10, 57. | 3.4 | 34 |
| 41 | Increased butyrate priming in the gut stalls microbiome associated-gastrointestinal inflammation and hepatic metabolic reprogramming in a mouse model of Gulf War Illness. <i>Toxicology and Applied Pharmacology</i> , 2018, 350, 64-77. | 2.8 | 49 |
| 42 | Fatty acid amide hydrolase (FAAH) blockade ameliorates experimental colitis by altering microRNA expression and suppressing inflammation. <i>Brain, Behavior, and Immunity</i> , 2017, 59, 10-20. | 4.1 | 34 |
| 43 | HMGB1-RAGE pathway drives peroxynitrite signaling-induced IBD-like inflammation in murine nonalcoholic fatty liver disease. <i>Redox Biology</i> , 2017, 13, 8-19. | 9.0 | 49 |
| 44 | CD44 deletion leading to attenuation of experimental autoimmune encephalomyelitis results from alterations in gut microbiome in mice. <i>European Journal of Immunology</i> , 2017, 47, 1188-1199. | 2.9 | 40 |
| 45 | TRPV4 activation of endothelial nitric oxide synthase resists nonalcoholic fatty liver disease by blocking CYP2E1-mediated redox toxicity. <i>Free Radical Biology and Medicine</i> , 2017, 102, 260-273. | 2.9 | 31 |
| 46 | Altered gut microbiome in a mouse model of Gulf War Illness causes neuroinflammation and intestinal injury via leaky gut and TLR4 activation. <i>PLoS ONE</i> , 2017, 12, e0172914. | 2.5 | 120 |
| 47 | Sparstolonin B attenuates early liver inflammation in experimental NASH by modulating TLR4 trafficking in lipid rafts via NADPH oxidase activation. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, G510-G525. | 3.4 | 30 |
| 48 | Association between exposures to brominated trihalomethanes, hepatic injury and type II diabetes mellitus. <i>Environment International</i> , 2016, 92-93, 486-493. | 10.0 | 9 |
| 49 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222. | 9.1 | 4,701 |
| 50 | NKT cell modulates NAFLD potentiation of metabolic oxidative stress-induced mesangial cell activation and proximal tubular toxicity. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F85-F101. | 2.7 | 17 |
| 51 | Dietary Indoles Suppress Delayed-Type Hypersensitivity by Inducing a Switch from Proinflammatory Th17 Cells to Anti-Inflammatory Regulatory T Cells through Regulation of MicroRNA. <i>Journal of Immunology</i> , 2016, 196, 1108-1122. | 0.8 | 105 |
| 52 | Purinergic receptor X7 mediates leptin induced GLUT4 function in stellate cells in nonalcoholic steatohepatitis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 32-45. | 3.8 | 23 |
| 53 | Fluoroquinolone-related neuropsychiatric and mitochondrial toxicity: a collaborative investigation by scientists and members of a social network. <i>Journal of Community and Supportive Oncology</i> , 2016, 14, 54-65. | 0.1 | 32 |
| 54 | P2X7 Receptor as a Key Player in Oxidative Stress-Driven Cell Fate in Nonalcoholic Steatohepatitis. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-7. | 4.0 | 23 |

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|----|---|-----|-----------|
| 55 | Upregulation of miR21 and Repression of Grh13 by Leptin Mediates Sinusoidal Endothelial Injury in Experimental Nonalcoholic Steatohepatitis. <i>PLoS ONE</i> , 2015, 10, e0116780. | 2.5 | 22 |
| 56 | NADPH Oxidase-Derived Peroxynitrite Drives Inflammation in Mice and Human Nonalcoholic Steatohepatitis via TLR4-Lipid Raft Recruitment. <i>American Journal of Pathology</i> , 2015, 185, 1944-1957. | 3.8 | 38 |
| 57 | Micro-RNA 21 inhibition of SMAD7 enhances fibrogenesis via leptin-mediated NADPH oxidase in experimental and human nonalcoholic steatohepatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, G298-G312. | 3.4 | 101 |
| 58 | Trihalomethane exposure and biomonitoring for the liver injury indicator, alanine aminotransferase, in the United States population (NHANES 1999-2006). <i>Science of the Total Environment</i> , 2015, 521-522, 226-234. | 8.0 | 23 |
| 59 | M1 Polarization Bias and Subsequent Nonalcoholic Steatohepatitis Progression Is Attenuated by Nitric Oxide Donor DETA NONOate via Inhibition of CYP2E1-Induced Oxidative Stress in Obese Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 352, 77-89. | 2.5 | 27 |
| 60 | Liver Inflammation and Metabolic Signaling in ApcMin/+ Mice: The Role of Cachexia Progression. <i>PLoS ONE</i> , 2015, 10, e0119888. | 2.5 | 52 |
| 61 | CYP2E1-dependent and leptin-mediated hepatic CD57 expression on CD8+ T cells aid progression of environment-linked nonalcoholic steatohepatitis. <i>Toxicology and Applied Pharmacology</i> , 2014, 274, 42-54. | 2.8 | 28 |
| 62 | Emodin attenuates systemic and liver inflammation in hyperlipidemic mice administrated with lipopolysaccharides. <i>Experimental Biology and Medicine</i> , 2014, 239, 1025-1035. | 2.4 | 48 |
| 63 | Proinflammatory adipokine leptin mediates disinfection byproduct bromodichloromethane-induced early steatohepatitic injury in obesity. <i>Toxicology and Applied Pharmacology</i> , 2013, 269, 297-306. | 2.8 | 31 |
| 64 | Immuno-spin trapping of heme-induced protein radicals: Implications for heme oxygenase-1 induction and heme degradation. <i>Free Radical Biology and Medicine</i> , 2013, 61, 265-272. | 2.9 | 9 |
| 65 | Leptin is key to peroxynitrite-mediated oxidative stress and Kupffer cell activation in experimental non-alcoholic steatohepatitis. <i>Journal of Hepatology</i> , 2013, 58, 778-784. | 3.7 | 113 |
| 66 | Purinergic receptor X7 is a key modulator of metabolic oxidative stress-mediated autophagy and inflammation in experimental nonalcoholic steatohepatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, G950-G963. | 3.4 | 48 |
| 67 | Environmental Toxin-Linked Nonalcoholic Steatohepatitis and Hepatic Metabolic Reprogramming in Obese Mice. <i>Toxicological Sciences</i> , 2013, 134, 291-303. | 3.1 | 50 |
| 68 | P2X7 receptor-NADPH oxidase axis mediates protein radical formation and Kupffer cell activation in carbon tetrachloride-mediated steatohepatitis in obese mice. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1666-1679. | 2.9 | 48 |
| 69 | Oxidative stress induces protein and DNA radical formation in follicular dendritic cells of the germinal center and modulates its cell death patterns in late sepsis. <i>Free Radical Biology and Medicine</i> , 2011, 50, 988-999. | 2.9 | 28 |
| 70 | Site-Specific Carboxypeptidase B1 Tyrosine Nitration and Pathophysiological Implications following Its Physical Association with Nitric Oxide Synthase-3 in Experimental Sepsis. <i>Journal of Immunology</i> , 2009, 183, 4055-4066. | 0.8 | 27 |
| 71 | Immuno-spin trapping of a post-translational carboxypeptidase B1 radical formed by a dual role of xanthine oxidase and endothelial nitric oxide synthase in acute septic mice. <i>Free Radical Biology and Medicine</i> , 2009, 46, 454-461. | 2.9 | 32 |
| 72 | L-arginine reverses Radiation-induced immune dysfunction: the need for optimum treatment window. <i>FASEB Journal</i> , 2008, 22, 897.12. | 0.5 | 0 |

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|----|--|-----|-----------|
| 73 | Electrocardiogram based biodosimetry to assess acute radiation injury. FASEB Journal, 2008, 22, 971.7. | 0.5 | 1 |