Saurabh Chatterjee

List of Publications by Year
in descending order

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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	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Health impacts of environmental contamination of micro- and nanoplastics: a review. Environmental Health and Preventive Medicine, 2020, 25, 29.	3.4	180
3	Altered gut microbiome in a mouse model of Gulf War Illness causes neuroinflammation and intestinal injury via leaky gut and TLR4 activation. PLoS ONE, 2017, 12, e0172914.	2.5	120
4	Leptin is key to peroxynitrite-mediated oxidative stress and Kupffer cell activation in experimental non-alcoholic steatohepatitis. Journal of Hepatology, 2013, 58, 778-784.	3.7	113
5	Dietary Indoles Suppress Delayed-Type Hypersensitivity by Inducing a Switch from Proinflammatory Th17 Cells to Anti-Inflammatory Regulatory T Cells through Regulation of MicroRNA. Journal of Immunology, 2016, 196, 1108-1122.	0.8	105
6	Micro-RNA 21 inhibition of SMAD7 enhances fibrogenesis via leptin-mediated NADPH oxidase in experimental and human nonalcoholic steatohepatitis. American Journal of Physiology - Renal Physiology, 2015, 308, G298-G312.	3.4	101
7	Indole-3-carbinol prevents colitis and associated microbial dysbiosis in an IL-22â€“dependent manner. JCI Insight, 2020, 5, .	5.0	78
8	Resveratrol Attenuates Allergic Asthma and Associated Inflammation in the Lungs Through Regulation of miRNA-34a That Targets FoxP3 in Mice. Frontiers in Immunology, 2018, 9, 2992.	4.8	69
9	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
10	Resveratrol protects mice against SEBâ€induced acute lung injury and mortality by miRâ€193a modulation that targets TGFâ€β signalling. Journal of Cellular and Molecular Medicine, 2018, 22, 2644-2655.	3.6	58
11	Liver Inflammation and Metabolic Signaling in ApcMin/+ Mice: The Role of Cachexia Progression. PLoS ONE, 2015, 10, e0119888.	2.5	52
12	Environmental Toxinâ€“Linked Nonalcoholic Steatohepatitis and Hepatic Metabolic Reprogramming in Obese Mice. Toxicological Sciences, 2013, 134, 291-303.	3.1	50
13	HMGB1-RAGE pathway drives peroxynitrite signaling-induced IBD-like inflammation in murine nonalcoholic fatty liver disease. Redox Biology, 2017, 13, 8-19.	9.0	49
14	Increased butyrate priming in the gut stalls microbiome associated-gastrointestinal inflammation and hepatic metabolic reprogramming in a mouse model of Gulf War Illness. Toxicology and Applied Pharmacology, 2018, 350, 64-77.	2.8	49
15	P2X7 receptor-NADPH oxidase axis mediates protein radical formation and Kupffer cell activation in carbon tetrachloride-mediated steatohepatitis in obese mice. Free Radical Biology and Medicine, 2012, 52, 1666-1679.	2.9	48
16	Purinergic receptor X7 is a key modulator of metabolic oxidative stress-mediated autophagy and inflammation in experimental nonalcoholic steatohepatitis. American Journal of Physiology - Renal Physiology, 2013, 305, G950-G963.	3.4	48
17	Emodin attenuates systemic and liver inflammation in hyperlipidemic mice administrated with lipopolysaccharides. Experimental Biology and Medicine, 2014, 239, 1025-1035.	2.4	48
18	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

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19	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
20	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
21	CD44 deletion leading to attenuation of experimental autoimmune encephalomyelitis results from alterations in gut microbiome in mice. European Journal of Immunology, 2017, 47, 1188-1199.	2.9	40
22	NADPH Oxidaseâ€“Derived Peroxynitrite Drives Inflammation in Mice and Human Nonalcoholic Steatohepatitis via TLR4-Lipid Raft Recruitment. American Journal of Pathology, 2015, 185, 1944-1957.	3.8	38
23	The Gut-Microbiome in Gulf War Veterans: A Preliminary Report. International Journal of Environmental Research and Public Health, 2019, 16, 3751.	2.6	38
24	Protective effects of Î”‹sup›9‹/sup›â€tetrahydrocannabinol against enterotoxinâ€induced acute respiratory distress syndrome are mediated by modulation of microbiota. British Journal of Pharmacology, 2020, 177, 5078-5095.	5.4	37
25	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
26	Fatty acid amide hydrolase (FAAH) blockade ameliorates experimental colitis by altering microRNA expression and suppressing inflammation. Brain, Behavior, and Immunity, 2017, 59, 10-20.	4.1	34
27	Activation of Aflatoxin Biosynthesis Alleviates Total ROS in Aspergillus parasiticus. Toxins, 2018, 10, 57.	3.4	34
28	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. Free Radical Biology and Medicine, 2009, 46, 454-461.	2.9	32
29	Fluoroquinolone-related neuropsychiatric and mitochondrial toxicity: a collaborative investigation by scientists and members of a social network. Journal of Community and Supportive Oncology, 2016, 14, 54-65.	0.1	32
30	Proinflammatory adipokine leptin mediates disinfection byproduct bromodichloromethane-induced early steatohepatitic injury in obesity. Toxicology and Applied Pharmacology, 2013, 269, 297-306.	2.8	31
31	TRPV4 activation of endothelial nitric oxide synthase resists nonalcoholic fatty liver disease by blocking CYP2E1-mediated redox toxicity. Free Radical Biology and Medicine, 2017, 102, 260-273.	2.9	31
32	Sparstolonin B attenuates early liver inflammation in experimental NASH by modulating TLR4 trafficking in lipid rafts via NADPH oxidase activation. American Journal of Physiology - Renal Physiology, 2016, 310, G510-G525.	3.4	30
33	Doxorubicin obliterates mouse ovarian reserve through both primordial follicle atresia and overactivation. Toxicology and Applied Pharmacology, 2019, 381, 114714.	2.8	30
34	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. Free Radical Biology and Medicine, 2011, 50, 988-999.	2.9	28
35	CYP2E1-dependent and leptin-mediated hepatic CD57 expression on CD8+ T cells aid progression of environment-linked nonalcoholic steatohepatitis. Toxicology and Applied Pharmacology, 2014, 274, 42-54.	2.8	28
36	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

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37	Host Akkermansia muciniphila 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
38	Site-Specific Carboxypeptidase B1 Tyrosine Nitration and Pathophysiological Implications following Its Physical Association with Nitric Oxide Synthase-3 in Experimental Sepsis. Journal of Immunology, 2009, 183, 4055-4066.	0.8	27
39	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. Journal of Pharmacology and Experimental Therapeutics, 2015, 352, 77-89.	2.5	27
40	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
41	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
42	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. European Journal of Pharmacology, 2018, 841, 33-48.	3.5	26
43	P2X7 Receptor as a Key Player in Oxidative Stress-Driven Cell Fate in Nonalcoholic Steatohepatitis. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-7.	4.0	23
44	Trihalomethane exposure and biomonitoring for the liver injury indicator, alanine aminotransferase, in the United States population (NHANES 1999â€“2006). Science of the Total Environment, 2015, 521-522, 226-234.	8.0	23
45	Purinergic receptor X7 mediates leptin induced GLUT4 function in stellate cells in nonalcoholic steatohepatitis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 32-45.	3.8	23
46	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. Nutrients, 2020, 12, 2764.	4.1	23
47	Upregulation of miR21 and Repression of Grhl3 by Leptin Mediates Sinusoidal Endothelial Injury in Experimental Nonalcoholic Steatohepatitis. PLoS ONE, 2015, 10, e0116780.	2.5	22
48	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. Frontiers in Immunology, 2021, 12, 635903.	4.8	22
49	Early microcystin-LR exposure-linked inflammasome activation in mice causes development of fatty liver disease and insulin resistance. Environmental Toxicology and Pharmacology, 2020, 80, 103457.	4.0	18
50	NKT cell modulates NAFLD potentiation of metabolic oxidative stress-induced mesangial cell activation and proximal tubular toxicity. American Journal of Physiology - Renal Physiology, 2016, 310, F85-F101.	2.7	17
51	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
52	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. Frontiers in Microbiology, 2018, 9, 2910.	3.5	15
53	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
54	Endocannabinoid Anandamide Attenuates Acute Respiratory Distress Syndrome through Modulation of Microbiome in the Gut-Lung Axis. Cells, 2021, 10, 3305.	4.1	15

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55	Time of the day dictates the variability of biomarkers of exposure to disinfection byproducts. Environment International, 2018, 112, 33-40.	10.0	14
56	Environmental Microcystin exposure in underlying NAFLD-induced exacerbation of neuroinflammation, blood-brain barrier dysfunction, and neurodegeneration are NLRP3 and S100B dependent. Toxicology, 2021, 461, 152901.	4.2	14
57	Toxicity of polycyclic aromatic hydrocarbons involves NOX2 activation. Toxicology Reports, 2019, 6, 1176-1181.	3.3	13
58	Andrographolide Attenuates Gut-Brain-Axis Associated Pathology in Gulf War Illness by Modulating Bacteriome-Virome Associated Inflammation and Microglia-Neuron Proinflammatory Crosstalk. Brain Sciences, 2021, 11, 905.	2.3	13
59	Immuno-spin trapping of heme-induced protein radicals: Implications for heme oxygenase-1 induction and heme degradation. Free Radical Biology and Medicine, 2013, 61, 265-272.	2.9	9
60	Association between exposures to brominated trihalomethanes, hepatic injury and type II diabetes mellitus. Environment International, 2016, 92-93, 486-493.	10.0	9
61	Microcystin exposure worsens nonalcoholic fatty liver disease associated ectopic glomerular toxicity via NOX-2-MIR21 axis. Environmental Toxicology and Pharmacology, 2020, 73, 103281.	4.0	9
62	Higher intestinal and circulatory lactate associated NOX2 activation leads to an ectopic fibrotic pathology following microcystin co-exposure in murine fatty liver disease. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2020, 238, 108854.	2.6	8
63	Differential influences of (Â±) anatoxin-a on photolocomotor behavior and gene transcription in larval zebrafish and fathead minnows. Environmental Sciences Europe, 2021, 33, .	5.5	6
64	Prior exposure to microcystin alters host gut resistome and is associated with dysregulated immune homeostasis in translatable mouse models. Scientific Reports, 2022, 12, .	3.3	6
65	Host gut resistome in Gulf War chronic multisymptom illness correlates with persistent inflammation. Communications Biology, 2022, 5, .	4.4	4
66	Host gut microbiome and potential therapeutics in Gulf War Illness: A short review. Life Sciences, 2021, 280, 119717.	4.3	3
67	Environmental organophosphate coâ€exposure in preâ€existing systemic inflammation can Increase susceptibility to SARSâ€COVâ€2 infection in human lung epithelial cells. FASEB Journal, 2021, 35, .	0.5	2
68	Microcystinâ€LR Exacerbates Neuroinflammation and Neurodegeneration in Nonalcoholic Fatty Liver Disease. FASEB Journal, 2021, 35, .	0.5	1
69	Electrocardiogram based biodosimetry to assess acute radiation injury. FASEB Journal, 2008, 22, 971.7.	0.5	1
70	MicroRNA Expression as an Indicator of Tissue Toxicity and a Biomarker in Disease and Drug-Induced Toxicological Evaluation. , 2019, , 1047-1072.		0
71	Prolonged Antibiotic Use Worsens Neuroinflammation and Increases the Risk of Neurodegeneration via Elevated Expression of Systemic ILâ€6 in Gulf War Illness Symptom Persistence Murine Model. FASEB Journal, 2021, 35, .	0.5	0
72	Andrographolide Treatment Lessens Localized, Systemic Inflammation and Improves Other Pathophysiological Traits in a Mouse Model of Gulf War Illness. FASEB Journal, 2021, 35, .	0.5	0

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73	Lâ€arginine reverses Radiationâ€induced immune dysfunction: the need for optimum treatment window. FASEB Journal, 2008, 22, 897.12.	0.5	0