

Sabita Roy

List of Publications by Year in descending order

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64
papers

3,171
citations

172386

29
h-index

161767

54
g-index

67
all docs

67
docs citations

67
times ranked

3279
citing authors

#	ARTICLE	IF	CITATIONS
1	Opioid Drug Abuse and Modulation of Immune Function: Consequences in the Susceptibility to Opportunistic Infections. <i>Journal of NeuroImmune Pharmacology</i> , 2011, 6, 442-465.	2.1	254
2	Effects of opioids on the immune system. <i>Neurochemical Research</i> , 1996, 21, 1375-1386.	1.6	179
3	Morphine Impairs Host Innate Immune Response and Increases Susceptibility to <i>Streptococcus pneumoniae</i> Lung Infection. <i>Journal of Immunology</i> , 2005, 174, 426-434.	0.4	177
4	Morphine induces changes in the gut microbiome and metabolome in a morphine dependence model. <i>Scientific Reports</i> , 2018, 8, 3596.	1.6	166
5	Morphine Modulates NF κ B Activation in Macrophages. <i>Biochemical and Biophysical Research Communications</i> , 1998, 245, 392-396.	1.0	153
6	Morphine Induces Bacterial Translocation in Mice by Compromising Intestinal Barrier Function in a TLR-Dependent Manner. <i>PLoS ONE</i> , 2013, 8, e54040.	1.1	149
7	Modulation of Immune Function by Morphine: Implications for Susceptibility to Infection. <i>Journal of NeuroImmune Pharmacology</i> , 2006, 1, 77-89.	2.1	142
8	Pirfenidone ameliorates murine chronic GVHD through inhibition of macrophage infiltration and TGF β 2 production. <i>Blood</i> , 2017, 129, 2570-2580.	0.6	122
9	Opioid Exacerbation of Gram-positive sepsis, induced by Gut Microbial Modulation, is Rescued by IL-17A Neutralization. <i>Scientific Reports</i> , 2015, 5, 10918.	1.6	99
10	Morphine tolerance is attenuated in germfree mice and reversed by probiotics, implicating the role of gut microbiome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13523-13532.	3.3	98
11	Morphine Induces Defects in Early Response of Alveolar Macrophages to <i>Streptococcus pneumoniae</i> by Modulating TLR9-NF κ B Signaling. <i>Journal of Immunology</i> , 2008, 180, 3594-3600.	0.4	89
12	Gut Homeostasis, Microbial Dysbiosis, and Opioids. <i>Toxicologic Pathology</i> , 2017, 45, 150-156.	0.9	86
13	Chronic morphine treatment differentiates T helper cells to Th2 effector cells by modulating transcription factors GATA 3 and T-bet. <i>Journal of Neuroimmunology</i> , 2004, 147, 78-81.	1.1	80
14	Morphine Negatively Regulates Interferon- γ Promoter Activity in Activated Murine T Cells through Two Distinct Cyclic AMP-dependent Pathways. <i>Journal of Biological Chemistry</i> , 2003, 278, 37622-37631.	1.6	76
15	Morphine Inhibits Migration of Tumor-Infiltrating Leukocytes and Suppresses Angiogenesis Associated with Tumor Growth in Mice. <i>American Journal of Pathology</i> , 2014, 184, 1073-1084.	1.9	73
16	Targeting the tumor vasculature: Inhibition of tumor growth by a vascular endothelial growth factor-toxin conjugate. , 1997, 73, 865-870.		70
17	Morphine worsens the severity and prevents pancreatic regeneration in mouse models of acute pancreatitis. <i>Gut</i> , 2018, 67, gutjnl-2017-313717.	6.1	70
18	Inhibition of NF-kappa B pathway leads to deregulation of epithelial-mesenchymal transition and neural invasion in pancreatic cancer. <i>Laboratory Investigation</i> , 2016, 96, 1268-1278.	1.7	69

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19	Morphine Induces CD4+ T Cell IL-4 Expression through an Adenylyl Cyclase Mechanism Independent of the Protein Kinase A Pathway. <i>Journal of Immunology</i> , 2005, 175, 6361-6367.	0.4	63
20	Prescription opioids are associated with higher mortality in patients diagnosed with sepsis: A retrospective cohort study using electronic health records. <i>PLoS ONE</i> , 2018, 13, e0190362.	1.1	58
21	Morphine Decreases Bacterial Phagocytosis by Inhibiting Actin Polymerization through cAMP-, Rac-1-, and p38 MAPK-Dependent Mechanisms. <i>American Journal of Pathology</i> , 2012, 180, 1068-1079.	1.9	56
22	Morphine induced exacerbation of sepsis is mediated by tempering endotoxin tolerance through modulation of miR-146a. <i>Scientific Reports</i> , 2013, 3, 1977.	1.6	56
23	Morphine Disrupts Interleukin-23 (IL-23)/IL-17-Mediated Pulmonary Mucosal Host Defense against <i>Streptococcus pneumoniae</i> Infection. <i>Infection and Immunity</i> , 2010, 78, 830-837.	1.0	48
24	Cocaine Induces Inflammatory Gut Milieu by Compromising the Mucosal Barrier Integrity and Altering the Gut Microbiota Colonization. <i>Scientific Reports</i> , 2019, 9, 12187.	1.6	47
25	Opioids Impair Intestinal Epithelial Repair in HIV-Infected Humanized Mice. <i>Frontiers in Immunology</i> , 2019, 10, 2999.	2.2	44
26	[³ H]Morphine binding is enhanced by IL-1-stimulated thymocyte proliferation. <i>FEBS Letters</i> , 1991, 287, 93-96.	1.3	43
27	Disruption of gut homeostasis by opioids accelerates HIV disease progression. <i>Frontiers in Microbiology</i> , 2015, 6, 643.	1.5	43
28	Enteric glial-mediated enhancement of intestinal barrier integrity is compromised by morphine. <i>Journal of Surgical Research</i> , 2017, 219, 214-221.	0.8	35
29	Prescription Opioids induce Gut Dysbiosis and Exacerbate Colitis in a Murine Model of Inflammatory Bowel Disease. <i>Journal of Crohn's and Colitis</i> , 2020, 14, 801-817.	0.6	35
30	Supplemental Oxygen Reverses Hypoxia-induced Smooth Muscle Cell Proliferation by Modulating HIF-alpha and VEGF Levels in a Rabbit Arteriovenous Fistula Model. <i>Annals of Vascular Surgery</i> , 2014, 28, 725-736.	0.4	34
31	Oncostatin M promotes excitotoxicity by inhibiting glutamate uptake in astrocytes: implications in HIV-associated neurotoxicity. <i>Journal of Neuroinflammation</i> , 2016, 13, 144.	3.1	33
32	Morphine Potentiates Dysbiotic Microbial and Metabolic Shifts in Acute SIV Infection. <i>Journal of NeuroImmune Pharmacology</i> , 2019, 14, 200-214.	2.1	31
33	In Vivo Activation of a Mutant μ -Opioid Receptor by Naltrexone Produces a Potent Analgesic Effect But No Tolerance: Role of μ -Receptor Activation and μ -Receptor Blockade in Morphine Tolerance. <i>Journal of Neuroscience</i> , 2005, 25, 3229-3233.	1.7	29
34	Morphine potentiates LPS-induced autophagy initiation but inhibits autophagosomal maturation through distinct TLR4-dependent and independent pathways. <i>Acta Physiologica</i> , 2015, 214, 189-199.	1.8	29
35	Experimental Models of COVID-19. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 792584.	1.8	27
36	High Throughput Fluorometric Technique for Assessment of Macrophage Phagocytosis and Actin Polymerization. <i>Journal of Visualized Experiments</i> , 2014, , e52195.	0.2	25

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37	Chronic morphine and HIV-1 Tat promote differential central nervous system trafficking of CD3+ and Ly6C+ immune cells in a murine Streptococcus pneumoniae infection model. Journal of Neuroinflammation, 2015, 12, 120.	3.1	23
38	Morphine Withdrawal Stress Modulates Lipopolysaccharide-induced Interleukin 12 p40 (IL-12p40) Expression by Activating Extracellular Signal-regulated Kinase 1/2, Which Is Further Potentiated by Glucocorticoids. Journal of Biological Chemistry, 2011, 286, 29806-29817.	1.6	22
39	Hypoxia Differentially Regulates Arterial and Venous Smooth Muscle Cell Migration. PLoS ONE, 2015, 10, e0138587.	1.1	21
40	Prenatal opioid exposure and vulnerability to future substance use disorders in offspring. Experimental Neurology, 2021, 339, 113621.	2.0	20
41	Opioids and Infections in the Intensive Care Unit Should Clinicians and Patients be Concerned?. Journal of NeuroImmune Pharmacology, 2008, 3, 218-229.	2.1	18
42	Acetylcholinesterase Inhibitor Pyridostigmine Bromide Attenuates Gut Pathology and Bacterial Dysbiosis in a Murine Model of Ulcerative Colitis. Digestive Diseases and Sciences, 2020, 65, 141-149.	1.1	17
43	Opioid Use, Gut Dysbiosis, Inflammation, and the Nervous System. Journal of NeuroImmune Pharmacology, 2022, 17, 76-93.	2.1	16
44	Opioid use potentiates the virulence of hospital-acquired infection, increases systemic bacterial dissemination and exacerbates gut dysbiosis in a murine model of <i>Citrobacter rodentium</i> infection. Gut Microbes, 2020, 11, 172-190.	4.3	15
45	STING differentially regulates experimental GVHD mediated by CD8 versus CD4 T cell subsets. Science Translational Medicine, 2020, 12, .	5.8	15
46	Immune modulation mediated by extracellular vesicles of intestinal organoids is disrupted by opioids. Mucosal Immunology, 2021, 14, 887-898.	2.7	14
47	Extracellular Vesicles with Exosome-like Features Transfer TLRs between Dendritic Cells. ImmunoHorizons, 2019, 3, 186-193.	0.8	13
48	Viral Vector-Mediated Gene Transfer of Glutamic Acid Decarboxylase for Chronic Pain Treatment: A Literature Review. Human Gene Therapy, 2020, 31, 405-414.	1.4	12
49	Differential effects of gram-positive and gram-negative bacterial products on morphine induced inhibition of phagocytosis. Scientific Reports, 2016, 6, 21094.	1.6	12
50	Brief Hydromorphone Exposure During Pregnancy Sufficient to Induce Maternal and Neonatal Microbial Dysbiosis. Journal of NeuroImmune Pharmacology, 2022, 17, 367-375.	2.1	10
51	HIV Tat-Mediated Induction of Monocyte Transmigration Across the Blood-Brain Barrier: Role of Chemokine Receptor CXCR3. Frontiers in Cell and Developmental Biology, 2021, 9, 724970.	1.8	8
52	Opioid Use in Murine Model Results in Severe Gastric Pathology that May Be Attenuated by Proton Pump Inhibition. American Journal of Pathology, 2022, 192, 1136-1150.	1.9	8
53	Gut permeability and cognitive decline: A pilot investigation in the Northern Manhattan Study. Brain, Behavior, & Immunity - Health, 2021, 12, 100214.	1.3	7
54	Viral vector-mediated gene therapy for opioid use disorders. Experimental Neurology, 2021, 341, 113710.	2.0	6

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55	Opioids and Sepsis: Elucidating the Role of the Microbiome and microRNA-146. International Journal of Molecular Sciences, 2022, 23, 1097.	1.8	6
56	Glycogen synthase kinase-3 inhibition rescues sex-dependent contextual fear memory deficit in human immunodeficiency virus-1 transgenic mice. British Journal of Pharmacology, 2020, 177, 5658-5676.	2.7	5
57	Gut-Microbiome Implications in Opioid Use Disorder and Related Behaviors. Advances in Drug and Alcohol Research, 0, 2, .	2.5	4
58	Housing conditions and microbial environment do not affect the efficacy of vaccines for treatment of opioid use disorders in mice and rats. Human Vaccines and Immunotherapeutics, 2021, 17, 4383-4392.	1.4	3
59	Study of Epithelium Barrier Functions by Real-time TER Measurement. Bio-protocol, 2016, 6, .	0.2	2
60	Opioid-Use, COVID-19 Infection, and Their Neurological Implications. Frontiers in Neurology, 2022, 13, .	1.1	2
61	Targeting the tumor vasculature: Inhibition of tumor growth by a vascular endothelial growth factor-toxin conjugate. , 1997, 73, 865.		1
62	Opioid Modulation of the Gut-Brain Axis in Opioid-Associated Comorbidities. Cold Spring Harbor Perspectives in Medicine, 2021, 11, a040485.	2.9	1
63	Minnelide, a prodrug, inhibits cervical cancer growth by blocking HPV-induced changes in p53 and pRb. American Journal of Cancer Research, 2021, 11, 2202-2214.	1.4	1
64	The Innate Immune Sensor Sting Promotes Donor CD8+ T Cell Activation and Recipient APC Death Early after Preclinical Allogeneic Hematopoietic Stem Cell Transplantation. Blood, 2019, 134, 3202-3202.	0.6	0