

# Lu Liu

## List of Publications by Year in descending order

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55  
papers

941  
citations

567281

15  
h-index

526287

27  
g-index

57  
all docs

57  
docs citations

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times ranked

1214  
citing authors

#	ARTICLE	IF	CITATIONS
1	Attenuation of mechanical pain hypersensitivity by treatment with Peptide5, a connexin-43 mimetic peptide, involves inhibition of NLRP3 inflammasome in nerve-injured mice. <i>Experimental Neurology</i> , 2018, 300, 1-12.	4.1	96
2	The molecular basis of urgency: regional difference of vanilloid receptor expression in the human urinary bladder. <i>Neurourology and Urodynamics</i> , 2007, 26, 433-438.	1.5	72
3	Pilot study of cognitive remediation therapy on cognition in young people at clinical high risk of psychosis. <i>Psychiatry Research</i> , 2015, 225, 93-98.	3.3	56
4	Purinergic Signaling in Gut Inflammation: The Role of Connexins and Pannexins. <i>Frontiers in Neuroscience</i> , 2016, 10, 311.	2.8	52
5	Roles of Substance P Receptors in Human Colon Circular Muscle: Alterations in Diverticular Disease. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 302, 627-635.	2.5	47
6	Identification and characterization of neutrophil heterogeneity in sepsis. <i>Critical Care</i> , 2021, 25, 50.	5.8	43
7	Structure of severe fever with thrombocytopenia syndrome virus L protein elucidates the mechanisms of viral transcription initiation. <i>Nature Microbiology</i> , 2020, 5, 864-871.	13.3	38
8	Tachykinin NK <sub>2</sub> Receptor and Functional Mechanisms in Human Colon: Changes with Indomethacin and in Diverticular Disease and Ulcerative Colitis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 324, 170-178.	2.5	32
9	Blockade of Pannexin-1 Channels and Purinergic P2X7 Receptors Shows Protective Effects Against Cytokines-Induced Colitis of Human Colonic Mucosa. <i>Frontiers in Pharmacology</i> , 2018, 9, 865.	3.5	29
10	Tachykinin peptides and receptors: Putting amphibians into perspective. <i>Peptides</i> , 2005, 26, 1369-1382.	2.4	25
11	Circular Muscle Contraction, Messenger Signalling And Localization Of Binding Sites For Neurokinin A In Human Sigmoid Colon. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2000, 27, 928-933.	1.9	24
12	Inverse Expression of Prostaglandin E2-Related Enzymes Highlights Differences Between Diverticulitis and Inflammatory Bowel Disease. <i>Digestive Diseases and Sciences</i> , 2015, 60, 1236-1246.	2.3	22
13	Dysfunction of low-density neutrophils in peripheral circulation in patients with sepsis. <i>Scientific Reports</i> , 2022, 12, 685.	3.3	22
14	Cyclooxygenase-Dependent Alterations in Substance P-Mediated Contractility and Tachykinin NK <sub>1</sub> Receptor Expression in the Colonic Circular Muscle of Patients with Slow Transit Constipation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 282-289.	2.5	20
15	Periductal Mastitis: An Inflammatory Disease Related to Bacterial Infection and Consequent Immune Responses?. <i>Mediators of Inflammation</i> , 2017, 2017, 1-9.	3.0	20
16	Bacterial Species Associated With Human Inflammatory Bowel Disease and Their Pathogenic Mechanisms. <i>Frontiers in Microbiology</i> , 2022, 13, 801892.	3.5	20
17	Expression and localization of pannexin-1 and CALHM1 in porcine bladder and their involvement in modulating ATP release. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 312, R763-R772.	1.8	19
18	Cystic fibrosis transmembrane conductance regulator modulates enteric cholinergic activities and is abnormally expressed in the enteric ganglia of patients with slow transit constipation. <i>Journal of Gastroenterology</i> , 2019, 54, 994-1006.	5.1	15

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19	Circulating High-Molecular-Weight (HMW) Adiponectin Level Is Related with Breast Cancer Risk Better than Total Adiponectin: A Case-Control Study. <i>PLoS ONE</i> , 2015, 10, e0129246.	2.5	14
20	Inhibition of T cell immunoglobulin and mucin-1 (TIM-1) protects against cerebral ischemia-reperfusion injury. <i>Cell Communication and Signaling</i> , 2019, 17, 103.	6.5	14
21	Detection of alveolar bone defects with three different voxel sizes of cone-beam computed tomography: an in vitro study. <i>Scientific Reports</i> , 2019, 9, 8146.	3.3	14
22	Investigation and assessment of neutrophil dysfunction early after severe burn injury. <i>Burns</i> , 2021, 47, 1851-1862.	1.9	14
23	Analysis of complete <i>Campylobacter concisus</i> genomes identifies genomospecies features, secretion systems and novel plasmids and their association with severe ulcerative colitis. <i>Microbial Genomics</i> , 2020, 6, .	2.0	13
24	Purification, Characterization, and Biological Activity of a Substance P-Related Peptide from the Gut of the Australian Lungfish, <i>Neoceratodus forsteri</i> . <i>General and Comparative Endocrinology</i> , 2002, 125, 104-112.	1.8	11
25	Molecular identification and characterization of three isoforms of tachykinin NK1-like receptors in the cane toad <i>Bufo marinus</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 287, R575-R585.	1.8	11
26	Hemokinin-1 Stimulates Prostaglandin E <sub>2</sub> Production in Human Colon through Activation of Cyclooxygenase-2 and Inhibition of 15-Hydroxyprostaglandin Dehydrogenase. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 340, 27-36.	2.5	11
27	NKG2D ligand RAE1 $\mu$ induces generation and enhances the inhibitor function of myeloid-derived suppressor cells in mice. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2046-2054.	3.6	11
28	Purinergic P2X7 receptors as therapeutic targets in interstitial cystitis/bladder pain syndrome; key role of ATP signaling in inflammation. <i>Bladder</i> , 2019, 6, e38.	0.2	11
29	Bufokinin: immunoreactivity, receptor localization and actions in toad intestine and mesenteric circulation. <i>Peptides</i> , 2000, 21, 1345-1354.	2.4	10
30	The Effects of Leptin on the Proliferation and Differentiation of Primary Chondrocytes in Vitro and Cartilage Regeneration in Vivo. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1907-1919.	5.2	10
31	<i>Escherichia coli</i> K12 Upregulates Programmed Cell Death Ligand 1 (PD-L1) Expression in Gamma Interferon-Sensitized Intestinal Epithelial Cells via the NF- $\kappa$ B Pathway. <i>Infection and Immunity</i> , 2020, 89, .	2.2	10
32	Single-Cell Transcriptome Profiling Reveals Neutrophil Heterogeneity and Functional Multiplicity in the Early Stage of Severe Burn Patients. <i>Frontiers in Immunology</i> , 2021, 12, 792122.	4.8	10
33	CD44/ERM/F-actin complex mediates targeted nuclear degranulation and excessive neutrophil extracellular trap formation during sepsis. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 2089-2103.	3.6	10
34	Understanding the Role of Purinergic P2X7 Receptors in the Gastrointestinal System: A Systematic Review. <i>Frontiers in Pharmacology</i> , 2021, 12, 786579.	3.5	10
35	Gene expression of muscarinic, tachykinin, and purinergic receptors in porcine bladder: comparison with cultured cells. <i>Frontiers in Pharmacology</i> , 2013, 4, 148.	3.5	9
36	Structure-activity studies of bufokinin, substance P and their C-terminal fragments at bufokinin receptors in the small intestine of the cane toad, <i>Bufo marinus</i> . <i>Biochemical Pharmacology</i> , 2002, 63, 217-224.	4.4	7

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37	Detection of IL-18 and IL-1 $\beta$ protein and mRNA in human oral epithelial cells induced by <i>Campylobacter concisus</i> strains. <i>Biochemical and Biophysical Research Communications</i> , 2019, 518, 44-49.	2.1	7
38	Quantitative structure–activity analyses of bufokinin and other tachykinins at bufokinin (bNK1) receptors of the small intestine of the cane toad, <i>Bufo marinus</i> . <i>Biochemical Pharmacology</i> , 2005, 69, 329-338.	4.4	6
39	Excitability and Synaptic Transmission in the Enteric Nervous System: Does Diet Play a Role?. <i>Advances in Experimental Medicine and Biology</i> , 2016, 891, 201-211.	1.6	6
40	L-Satropane Prevents Retinal Neuron Damage by Attenuating Cell Apoptosis and A $\beta$ Production via Activation of M1 Muscarinic Acetylcholine Receptor. <i>Current Eye Research</i> , 2017, 42, 1319-1326.	1.5	6
41	Hemokinin-1 and substance P stimulate production of inflammatory cytokines and chemokines in human colonic mucosa via both NK1 and NK2 tachykinin receptors. <i>Neuropeptides</i> , 2020, 82, 102061.	2.2	6
42	Neutrophil-derived heparin binding protein triggers vascular leakage and synergizes with myeloperoxidase at the early stage of severe burns (With video). <i>Burns and Trauma</i> , 2021, 9, tkab030.	4.9	6
43	Characterization of receptors for two <i>Xenopus</i> gastrointestinal tachykinin peptides in their species of origin. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004, 370, 35-45.	3.0	5
44	Complex actions of neurotensin in ascending and sigmoid colonic muscle: Involvement of enteric mediators. <i>European Journal of Pharmacology</i> , 2010, 644, 195-202.	3.5	5
45	<i>Campylobacter concisus</i> upregulates PD-L1 mRNA expression in IFN- $\gamma$ sensitized intestinal epithelial cells and induces cell death in esophageal epithelial cells. <i>Journal of Oral Microbiology</i> , 2021, 13, 1978732.	2.7	5
46	Splenic T lymphocytes induce the formation of immunosuppressive neutrophils through IFN- $\gamma$ in sepsis. <i>Inflammation Research</i> , 2022, 71, 81-91.	4.0	5
47	Bufokinin: Actions And Distribution In The Toad Cardiovascular System. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2000, 27, 911-916.	1.9	4
48	Effect of $\beta_1/\beta_2$ -adrenoceptor blockade on $\beta_3$ -adrenoceptor activity in the rat cremaster muscle artery. <i>British Journal of Pharmacology</i> , 2021, 178, 1789-1804.	5.4	4
49	Reply to: Errors in the deposited SFTSV L protein structure. <i>Nature Microbiology</i> , 2021, 6, 551-552.	13.3	4
50	Protective Effect of Purinergic P2X7 Receptor Inhibition on Acrolein-Induced Urothelial Cell Damage. <i>Frontiers in Physiology</i> , 2022, 13, 885545.	2.8	4
51	Gender-Related Differences of Tachykinin NK <sub>2</sub> Receptor Expression and Activity in Human Colonic Smooth Muscle. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 375, 28-39.	2.5	2
52	The Relationship of the Test for Respiratory and Asthma Control in Kids Initial Score on the Prognosis of Pre-school Children With Asthma: A Prospective Cohort Study. <i>Frontiers in Pediatrics</i> , 2021, 9, 690333.	1.9	2
53	P2X7 Receptor Blockade Protects Against Acrolein-Induced Bladder Damage: A Potential New Therapeutic Approach for the Treatment of Bladder Inflammatory Diseases. <i>Frontiers in Pharmacology</i> , 2021, 12, 682520.	3.5	2
54	The abdominal-transhiatal surgical approach versus the thoracoabdominal surgical approach in Siewert type II adenocarcinoma of the esophagogastric junction: protocol for a multicenter prospective, open, parallel, and randomized controlled trial. <i>BMC Cancer</i> , 2022, 22, 318.	2.6	2

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55	Correlation analysis of sacrococcygeal pressure and operation time in patients undergoing general anesthesia in the supine position. Journal of International Medical Research, 2021, 49, 300060520984595.	1.0	1