

Rajaraman Eri

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

10,218
citations

81900

39
h-index

34986

98
g-index

126
all docs

126
docs citations

126
times ranked

21429
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Aberrant Mucin Assembly in Mice Causes Endoplasmic Reticulum Stress and Spontaneous Inflammation Resembling Ulcerative Colitis. <i>PLoS Medicine</i> , 2008, 5, e54.	8.4	602
3	Intestinal barrier dysfunction in inflammatory bowel diseases. <i>Inflammatory Bowel Diseases</i> , 2009, 15, 100-113.	1.9	506
4	Toll-like receptor-4 is required for intestinal response to epithelial injury and limiting bacterial translocation in a murine model of acute colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, G1055-G1065.	3.4	461
5	MCC950, a specific small molecule inhibitor of NLRP3 inflammasome attenuates colonic inflammation in spontaneous colitis mice. <i>Scientific Reports</i> , 2018, 8, 8618.	3.3	208
6	Endoplasmic Reticulum Stress and Oxidative Stress: A Vicious Nexus Implicated in Bowel Disease Pathophysiology. <i>International Journal of Molecular Sciences</i> , 2017, 18, 771.	4.1	204
7	The microgenderome revealed: sex differences in bidirectional interactions between the microbiota, hormones, immunity and disease susceptibility. <i>Seminars in Immunopathology</i> , 2019, 41, 265-275.	6.1	160
8	ER stress and the unfolded protein response in intestinal inflammation. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, G820-G832.	3.4	151
9	An intestinal epithelial defect conferring ER stress results in inflammation involving both innate and adaptive immunity. <i>Mucosal Immunology</i> , 2011, 4, 354-364.	6.0	114
10	Role of Oxidative Stress in the Pathology and Management of Human Tuberculosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-10.	4.0	109
11	CC Chemokine Ligand 20 and Its Cognate Receptor CCR6 in Mucosal T Cell Immunology and Inflammatory Bowel Disease: Odd Couple or Axis of Evil?. <i>Frontiers in Immunology</i> , 2013, 4, 194.	4.8	106
12	Gut Microbial Changes, Interactions, and Their Implications on Human Lifecycle: An Ageing Perspective. <i>BioMed Research International</i> , 2018, 2018, 1-13.	1.9	100
13	Fucoidan Extracts Ameliorate Acute Colitis. <i>PLoS ONE</i> , 2015, 10, e0128453.	2.5	89
14	Glucocorticoids alleviate intestinal ER stress by enhancing protein folding and degradation of misfolded proteins. <i>Journal of Experimental Medicine</i> , 2013, 210, 1201-1216.	8.5	88
15	Beyond Just Bacteria: Functional Biomes in the Gut Ecosystem Including Virome, Mycobiome, Archaeome and Helminths. <i>Microorganisms</i> , 2020, 8, 483.	3.6	86
16	Urban-associated diseases: Candidate diseases, environmental risk factors, and a path forward. <i>Environment International</i> , 2019, 133, 105187.	10.0	83
17	Intestinal Epithelium and Autophagy: Partners in Gut Homeostasis. <i>Frontiers in Immunology</i> , 2013, 4, 301.	4.8	82
18	Can probiotic yogurt prevent diarrhoea in children on antibiotics? A double-blind, randomised, placebo-controlled study. <i>BMJ Open</i> , 2015, 5, e006474-e006474.	1.9	72

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19	CCR5-Î”32 mutation is strongly associated with primary sclerosing cholangitis. <i>Genes and Immunity</i> , 2004, 5, 444-450.	4.1	66
20	Immune Biomarkers for Diagnosis and Treatment Monitoring of Tuberculosis: Current Developments and Future Prospects. <i>Frontiers in Microbiology</i> , 2019, 10, 2789.	3.5	66
21	Synbiotic Supplementation Containing Whole Plant Sugar Cane Fibre and Probiotic Spores Potentiates Protective Synergistic Effects in Mouse Model of IBD. <i>Nutrients</i> , 2019, 11, 818.	4.1	62
22	<i>Lactobacillus acidophilus</i> DDS-1 Modulates the Gut Microbiota and Improves Metabolic Profiles in Aging Mice. <i>Nutrients</i> , 2018, 10, 1255.	4.1	61
23	NLRP3-Dependent and -Independent Processing of Interleukin (IL)-1Î² in Active Ulcerative Colitis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 57.	4.1	61
24	The IBD International Genetics Consortium Provides Further Evidence for Linkage to IBD4 and Shows Gene-Environment Interaction. <i>Inflammatory Bowel Diseases</i> , 2005, 11, 1-7.	1.9	57
25	<i>Lactobacillus acidophilus</i> DDS-1 Modulates Intestinal-Specific Microbiota, Short-Chain Fatty Acid and Immunological Profiles in Aging Mice. <i>Nutrients</i> , 2019, 11, 1297.	4.1	57
26	TNFÎ” and IL10 SNPs act together to predict disease behaviour in Crohn's disease. <i>Journal of Medical Genetics</i> , 2005, 42, 523-528.	3.2	56
27	Therapeutic interventions for gut dysbiosis and related disorders in the elderly: antibiotics, probiotics or faecal microbiota transplantation?. <i>Beneficial Microbes</i> , 2017, 8, 179-192.	2.4	55
28	T Cell Transfer Model of Colitis: A Great Tool to Assess the Contribution of T Cells in Chronic Intestinal Inflammation. <i>Methods in Molecular Biology</i> , 2012, 844, 261-275.	0.9	54
29	Ethics of animal research in human disease remediation, its institutional teaching; and alternatives to animal experimentation. <i>Pharmacology Research and Perspectives</i> , 2017, 5, e00332.	2.4	54
30	Synbiotic supplementation with prebiotic green banana resistant starch and probiotic <i>Bacillus coagulans</i> spores ameliorates gut inflammation in mouse model of inflammatory bowel diseases. <i>European Journal of Nutrition</i> , 2020, 59, 3669-3689.	3.9	53
31	Idebenone: When an antioxidant is not an antioxidant. <i>Redox Biology</i> , 2021, 38, 101812.	9.0	52
32	Modulation of the CCR6-CCL20 Axis: A Potential Therapeutic Target in Inflammation and Cancer. <i>Medicina (Lithuania)</i> , 2018, 54, 88.	2.0	50
33	A novel mouse model of veno-occlusive disease provides strategies to prevent thioguanine-induced hepatic toxicity. <i>Gut</i> , 2013, 62, 594-605.	12.1	48
34	Microbiota Modulating Nutritional Approaches to Countering the Effects of Viral Respiratory Infections Including SARS-CoV-2 through Promoting Metabolic and Immune Fitness with Probiotics and Plant Bioactives. <i>Microorganisms</i> , 2020, 8, 921.	3.6	46
35	Intestinal secretory cell ER stress and inflammation. <i>Biochemical Society Transactions</i> , 2011, 39, 1081-1085.	3.4	45
36	Anti-Inflammatory Activity of Fucoidan Extracts In Vitro. <i>Marine Drugs</i> , 2021, 19, 702.	4.6	43

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37	Probiotic <i>Bacillus coagulans</i> MTCC 5856 spores exhibit excellent in-vitro functional efficacy in simulated gastric survival, mucosal adhesion and immunomodulation. <i>Journal of Functional Foods</i> , 2019, 52, 100-108.	3.4	42
38	Secretory leukoprotease inhibitor is required for efficient quercetin-mediated suppression of TNF α secretion. <i>Oncotarget</i> , 2016, 7, 75800-75809.	1.8	42
39	Fecal Microbiota and Metabolome in a Mouse Model of Spontaneous Chronic Colitis. <i>Inflammatory Bowel Diseases</i> , 2016, 22, 2767-2787.	1.9	41
40	NLRP3 inflammasome in colitis and colitis-associated colorectal cancer. <i>Mammalian Genome</i> , 2018, 29, 817-830.	2.2	41
41	Neutralizing IL-23 Is Superior to Blocking IL-17 in Suppressing Intestinal Inflammation in a Spontaneous Murine Colitis Model. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 973-984.	1.9	40
42	TIMP1, TIMP2, and TIMP4 are increased in aqueous humor from primary open angle glaucoma patients. <i>Molecular Vision</i> , 2015, 21, 1162-72.	1.1	40
43	Role of Lactic Acid Probiotic Bacteria in IBD. <i>Current Pharmaceutical Design</i> , 2017, 23, 2352-2355.	1.9	38
44	The murine appendiceal microbiome is altered in spontaneous colitis and its pathological progression. <i>Gut Pathogens</i> , 2014, 6, 25.	3.4	36
45	NLRP3 Inhibitors as Potential Therapeutic Agents for Treatment of Inflammatory Bowel Disease. <i>Current Pharmaceutical Design</i> , 2017, 23, 2321-2327.	1.9	36
46	Messages from the Inside. The Dynamic Environment that Favors Intestinal Homeostasis. <i>Frontiers in Immunology</i> , 2013, 4, 323.	4.8	35
47	A Specific Mutation in <i>Muc2</i> Determines Early Dysbiosis in Colitis-Prone Winnie Mice. <i>Inflammatory Bowel Diseases</i> , 2020, 26, 546-556.	1.9	35
48	Alterations of colonic function in the <i>Winnie</i> mouse model of spontaneous chronic colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G85-G102.	3.4	34
49	Alterations in the distal colon innervation in Winnie mouse model of spontaneous chronic colitis. <i>Cell and Tissue Research</i> , 2015, 362, 497-512.	2.9	33
50	A human origin strain <i>Lactobacillus acidophilus</i> DDS-1 exhibits superior <i>in vitro</i> probiotic efficacy in comparison to plant or dairy origin probiotics. <i>International Journal of Medical Sciences</i> , 2018, 15, 840-848.	2.5	33
51	STAT4 Isoforms Differentially Regulate Th1 Cytokine Production and the Severity of Inflammatory Bowel Disease. <i>Journal of Immunology</i> , 2008, 181, 5062-5070.	0.8	31
52	Pleiotropic Immune Functions of Chemokine Receptor 6 in Health and Disease. <i>Medicines (Basel)</i> , 2020, 9, 1431.	1.4	31
53	Idebenone Protects against Acute Murine Colitis via Antioxidant and Anti-Inflammatory Mechanisms. <i>International Journal of Molecular Sciences</i> , 2020, 21, 484.	4.1	30
54	Angiotensinogen and transforming growth factor β 1: novel genes in the pathogenesis of Crohn's disease. <i>Journal of Medical Genetics</i> , 2006, 43, e51-e51.	3.2	28

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55	Inhibition of APE1/Ref-1 Redox Signaling Alleviates Intestinal Dysfunction and Damage to Myenteric Neurons in a Mouse Model of Spontaneous Chronic Colitis. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 388-406.	1.9	26
56	Suppression of colon inflammation by CD80 blockade: Evaluation in two murine models of inflammatory bowel disease. <i>Inflammatory Bowel Diseases</i> , 2008, 14, 458-470.	1.9	25
57	TNF \pm deficiency results in increased IL-1 β in an early onset of spontaneous murine colitis. <i>Cell Death and Disease</i> , 2017, 8, e2993-e2993.	6.3	24
58	Regulation and Sensing of Inflammasomes and Their Impact on Intestinal Health. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2379.	4.1	24
59	Does NLRP3 Inflammasome and Aryl Hydrocarbon Receptor Play an Interlinked Role in Bowel Inflammation and Colitis-Associated Colorectal Cancer?. <i>Molecules</i> , 2020, 25, 2427.	3.8	22
60	Characterization of tumour-infiltrating lymphocytes and apoptosis in colitis-associated neoplasia: comparison with sporadic colorectal cancer. <i>Journal of Pathology</i> , 2006, 208, 381-387.	4.5	20
61	Diverse therapeutic developments for post-traumatic stress disorder (PTSD) indicate common mechanisms of memory modulation. , 2022, 239, 108195.		20
62	CD80 Binding Polyproline Helical Peptide Inhibits T Cell Activation. <i>Journal of Biological Chemistry</i> , 2005, 280, 10149-10155.	3.4	19
63	Modulating the Microbiome and Immune Responses Using Whole Plant Fibre in Synbiotic Combination with Fibre-Digesting Probiotic Attenuates Chronic Colonic Inflammation in Spontaneous Colitic Mice Model of IBD. <i>Nutrients</i> , 2020, 12, 2380.	4.1	19
64	Effects of propranolol on the modification of trauma memory reconsolidation in PTSD patients: A systematic review and meta-analysis. <i>Journal of Psychiatric Research</i> , 2022, 150, 246-256.	3.1	18
65	Novel gene containing multiple epidermal growth factor-like motifs transiently expressed in the papillae of the ascidian tadpole larvae. <i>Developmental Dynamics</i> , 1997, 210, 264-273.	1.8	17
66	Orally Administered Enoxaparin Ameliorates Acute Colitis by Reducing Macrophage-Associated Inflammatory Responses. <i>PLoS ONE</i> , 2015, 10, e0134259.	2.5	16
67	Interplay between Endoplasmic Reticular Stress and Survivin in Colonic Epithelial Cells. <i>Cells</i> , 2018, 7, 171.	4.1	16
68	Nod-Like Receptor Pyrin-Containing Protein 6 (NLRP6) Is Up-regulated in Ileal Crohn's Disease and Differentially Expressed in Goblet Cells. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 6, 110-112.e8.	4.5	16
69	Suppression of immune responses in collagen-induced arthritis by a rationally designed CD80-binding peptide agent. <i>Arthritis and Rheumatism</i> , 2007, 56, 498-508.	6.7	15
70	Rectal prolapse in Winnie mice with spontaneous chronic colitis: changes in intrinsic and extrinsic innervation of the rectum. <i>Cell and Tissue Research</i> , 2016, 366, 285-299.	2.9	15
71	Microbiome-focused asthma management strategies. <i>Current Opinion in Pharmacology</i> , 2019, 46, 143-149.	3.5	15
72	Bilirubin Attenuates ER Stress-Mediated Inflammation, Escalates Apoptosis and Reduces Proliferation in the LS174T Colonic Epithelial Cell Line. <i>International Journal of Medical Sciences</i> , 2019, 16, 135-144.	2.5	15

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73	Micro RNA Expression after Ingestion of Fucoidan; A Clinical Study. <i>Marine Drugs</i> , 2020, 18, 143.	4.6	15
74	Bitter melon protects against ER stress in LS174T colonic epithelial cells. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 2.	3.7	14
75	LIN28A: A multifunctional versatile molecule with future therapeutic potential. <i>World Journal of Biological Chemistry</i> , 2022, 13, 35-46.	4.3	13
76	Heparins in ulcerative colitis: proposed mechanisms of action and potential reasons for inconsistent clinical outcomes. <i>Expert Review of Clinical Pharmacology</i> , 2015, 8, 795-811.	3.1	12
77	Cell Stress Signaling Cascades Regulating Cell Fate. <i>Current Pharmaceutical Design</i> , 2018, 24, 3176-3183.	1.9	12
78	Mainstreaming Microbes across Biomes. <i>BioScience</i> , 2020, 70, 589-596.	4.9	11
79	Modulation of Interferon Activity-Associated Soluble Molecules by Appendicitis and Appendectomy Limits Colitis—Identification of Novel Anti-Colitic Targets. <i>Journal of Interferon and Cytokine Research</i> , 2015, 35, 108-115.	1.2	10
80	Pathway Analysis of Fucoidan Activity Using a Yeast Gene Deletion Library Screen. <i>Marine Drugs</i> , 2019, 17, 54.	4.6	10
81	Characterisation of colonic dysplasia-like epithelial atypia in murine colitis. <i>World Journal of Gastroenterology</i> , 2016, 22, 8334.	3.3	10
82	Endothelin and vascular remodelling in colitis pathogenesis—Appendicitis and appendectomy limit colitis by suppressing endothelin pathways. <i>International Journal of Colorectal Disease</i> , 2014, 29, 1321-1328.	2.2	9
83	Empirical evaluation of a virtual laboratory approach to teach lactate dehydrogenase enzyme kinetics. <i>Annals of Medicine and Surgery</i> , 2016, 8, 6-13.	1.1	9
84	Endogenous Anti-Cancer Candidates in GPCR, ER Stress, and EMT. <i>Biomedicines</i> , 2020, 8, 402.	3.2	9
85	<i>Streptococcus Thermophilus</i> UASt-09 Upregulates Goblet Cell Activity in Colonic Epithelial Cells to a Greater Degree than other Probiotic Strains. <i>Microorganisms</i> , 2020, 8, 1758.	3.6	9
86	Idebenone Protects against Spontaneous Chronic Murine Colitis by Alleviating Endoplasmic Reticulum Stress and Inflammatory Response. <i>Biomedicines</i> , 2020, 8, 384.	3.2	8
87	Asperuloside Enhances Taste Perception and Prevents Weight Gain in High-Fat Fed Mice. <i>Frontiers in Endocrinology</i> , 2021, 12, 615446.	3.5	8
88	Divergent Adaptations in Autonomic Nerve Activity and Neuroimmune Signaling Associated With the Severity of Inflammation in Chronic Colitis. <i>Inflammatory Bowel Diseases</i> , 2022, 28, 1229-1243.	1.9	8
89	CCR6—CCL20-Mediated Immunologic Pathways in Inflammatory Bowel Disease. <i>Gastrointestinal Disorders</i> , 2018, 1, 15-29.	0.8	7
90	Dysbiosis Triggers ACF Development in Genetically Predisposed Subjects. <i>Cancers</i> , 2021, 13, 283.	3.7	7

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91	Potent CCR3 Receptor Antagonist, SB328437, Suppresses Colonic Eosinophil Chemotaxis and Inflammation in the Winnie Murine Model of Spontaneous Chronic Colitis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7780.	4.1	7
92	Exposure of colonic epithelial cells to oxidative and endoplasmic reticulum stress causes rapid potassium efflux and calcium influx. <i>Cell Biochemistry and Function</i> , 2013, 31, 603-611.	2.9	6
93	CCR6â€CCL20 Axis in IBD: What Have We Learnt in the Last 20 Years?. <i>Gastrointestinal Disorders</i> , 2018, 1, 57-74.	0.8	6
94	An Appraisal of the Current Scenario in Vaccine Research for COVID-19. <i>Viruses</i> , 2021, 13, 1397.	3.3	6
95	Metabolomics as a Functional Tool in Screening Gastro Intestinal Diseases: Where are we in High Throughput Screening?. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2017, 20, 247-254.	1.1	5
96	Identification of Key Pro-Survival Proteins in Isolated Colonic Goblet Cells of Winnie, a Murine Model of Spontaneous Colitis. <i>Inflammatory Bowel Diseases</i> , 2020, 26, 80-92.	1.9	5
97	The Role of Inflammasomes in Intestinal Inflammation. <i>American Journal of Medical and Biological Research</i> , 2013, 1, 64-76.	0.5	5
98	1-Deoxysphingolipids, Early Predictors of Type 2 Diabetes, Compromise the Functionality of Skeletal Myoblasts. <i>Frontiers in Endocrinology</i> , 2021, 12, 772925.	3.5	5
99	Anti-Heartburn Effects of Sugar Cane Flour: A Double-Blind, Randomized, Placebo-Controlled Study. <i>Nutrients</i> , 2020, 12, 1813.	4.1	4
100	Peer Observation of Teaching: Reflections of an Early Career Academic. <i>Universal Journal of Educational Research</i> , 2014, 2, 625-631.	0.2	4
101	Uteroglobulin and FLRG concentrations in aqueous humor are associated with age in primary open angle glaucoma patients. <i>BMC Ophthalmology</i> , 2018, 18, 57.	1.4	3
102	Role of Chemokine Ligand CCL20 and its Receptor CCR6 in Intestinal Inflammation. <i>Immunology and Infectious Diseases</i> , 2013, 1, 30-37.	0.1	3
103	Molecular mechanisms of intestinal inflammation leading to colorectal cancer. <i>AIMS Biophysics</i> , 2017, 4, 152-177.	0.6	3
104	Lactobacillus acidophilus DDS-1 Modulates the Gut Microbial Co-Occurrence Networks in Aging Mice. <i>Nutrients</i> , 2022, 14, 977.	4.1	3
105	Mesenchymal stem cell treatment for enteric neuropathy in the Winnie mouse model of spontaneous chronic colitis. <i>Cell and Tissue Research</i> , 2022, , 1.	2.9	3
106	Conjugate products of pyocyaninâ€glutathione reactions. <i>Chemico-Biological Interactions</i> , 2015, 238, 91-92.	4.0	2
107	Editorial: Novel Interventional Targets for Gastrointestinal and Metabolic Disorders. <i>Current Pharmaceutical Design</i> , 2017, 23, 2287-2288.	1.9	2
108	Characterization of Skeletal Phenotype and Associated Mechanisms With Chronic Intestinal Inflammation in the Winnie Mouse Model of Spontaneous Chronic Colitis. <i>Inflammatory Bowel Diseases</i> , 2022, 28, 259-272.	1.9	2

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109	Fucoidan as an inhibitor of pro-inflammatory cytokines: Potential candidate for treating inflammatory-related conditions. <i>FASEB Journal</i> , 2022, 36, .	0.5	2
110	Dexamethasone Ameliorates Intestinal Epithelial Cell Endoplasmic Reticulum (ER) Stress and ER Stress Induced Colitis. <i>Gastroenterology</i> , 2011, 140, S-166.	1.3	1
111	Ccr6 Deficiency Attenuates Spontaneous Chronic Colitis in Winnie. <i>Gastrointestinal Disorders</i> , 2020, 2, 27-47.	0.8	1
112	Short-Chain Naphthoquinone Protects Against Both Acute and Spontaneous Chronic Murine Colitis by Alleviating Inflammatory Responses. <i>Frontiers in Pharmacology</i> , 2021, 12, 709973.	3.5	1
113	NOD2 Gene mutations are associated with different clinical phenotypes in patients with Crohn disease. <i>Gastroenterology</i> , 2003, 124, A376.	1.3	0
114	Reflections on the Value of Mapping the Final Theory Examination in a Molecular Biochemistry Unit. <i>Journal of Microbiology and Biology Education</i> , 2014, 15, 53-54.	1.0	0
115	Biochemical Mechanisms and Therapeutic Strategies in Gastrointestinal and Metabolic Disorders. <i>Current Pharmaceutical Design</i> , 2018, 24, 3153-3154.	1.9	0
116	Glucocorticoids alleviate intestinal ER stress by enhancing protein folding and degradation of misfolded proteins. <i>Journal of Cell Biology</i> , 2013, 201, i7-i7.	5.2	0
117	Overriding Elements in Colon Cancer Progression: Some Less Known Facts. <i>Gastro - Open Journal</i> , 2017, 2, 4-8.	0.5	0
118	Beyond the Technical Skills: A Case for Internationalization of Graduate Attributes in PhD Programs. <i>Universal Journal of Educational Research</i> , 2019, 7, 766-771.	0.2	0