

Silvia Melgar

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

3,472
citations

172207

29
h-index

143772

57
g-index

88
all docs

88
docs citations

88
times ranked

6198
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute colitis induced by dextran sulfate sodium progresses to chronicity in C57BL/6 but not in BALB/c mice: correlation between symptoms and inflammation. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, G1328-G1338.	1.6	455
2	The Impact of Western Diet and Nutrients on the Microbiota and Immune Response at Mucosal Interfaces. <i>Frontiers in Immunology</i> , 2017, 8, 838.	2.2	349
3	Validation of murine dextran sulfate sodium-induced colitis using four therapeutic agents for human inflammatory bowel disease. <i>International Immunopharmacology</i> , 2008, 8, 836-844.	1.7	169
4	Paradoxical coexpression of proinflammatory and down-regulatory cytokines in intestinal T cells in childhood celiac disease. <i>Gastroenterology</i> , 2002, 123, 667-678.	0.6	155
5	A Prospective Metagenomic and Metabolomic Analysis of the Impact of Exercise and/or Whey Protein Supplementation on the Gut Microbiome of Sedentary Adults. <i>MSystems</i> , 2018, 3, .	1.7	148
6	Over-expression of interleukin 10 in mucosal T cells of patients with active ulcerative colitis. <i>Clinical and Experimental Immunology</i> , 2003, 134, 127-137.	1.1	132
7	Characterisation of mucosal lymphoid aggregates in ulcerative colitis: immune cell phenotype and TcR-gamma delta expression. <i>Gut</i> , 2000, 47, 215-227.	6.1	117
8	Pattern recognition receptorsâ€™ Molecular orchestrators of inflammation in inflammatory bowel disease. <i>Cytokine and Growth Factor Reviews</i> , 2013, 24, 91-104.	3.2	106
9	IL-36Î± expression is elevated in ulcerative colitis and promotes colonic inflammation. <i>Mucosal Immunology</i> , 2016, 9, 1193-1204.	2.7	106
10	Intestinal delivery of non-viral gene therapeutics: physiological barriers and preclinical models. <i>Drug Discovery Today</i> , 2011, 16, 203-218.	3.2	103
11	A novel effect of DMOG on cell metabolism: direct inhibition of mitochondrial function precedes HIF target gene expression. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1254-1266.	0.5	89
12	Induction and Activation of Adaptive Immune Populations During Acute and Chronic Phases of a Murine Model of Experimental Colitis. <i>Digestive Diseases and Sciences</i> , 2011, 56, 79-89.	1.1	88
13	Research Gaps in Diet and Nutrition in Inflammatory Bowel Disease. A Topical Review by D-ECCO Working Group [Dietitians of ECCO]. <i>Journal of Crohn's and Colitis</i> , 2017, 11, 1407-1419.	0.6	84
14	Pellino3 ubiquitinates RIP2 and mediates Nod2-induced signaling and protective effects in colitis. <i>Nature Immunology</i> , 2013, 14, 927-936.	7.0	83
15	Mechanism of protection of transepithelial barrier function by <i>Lactobacillus salivarius</i> : strain dependence and attenuation by bacteriocin production. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, G1029-G1041.	1.6	75
16	Gene silencing of TNF-alpha in a murine model of acute colitis using a modified cyclodextrin delivery system. <i>Journal of Controlled Release</i> , 2013, 168, 28-34.	4.8	61
17	Short-term consumption of a high-fat diet increases host susceptibility to <i>Listeria monocytogenes</i> infection. <i>Microbiome</i> , 2019, 7, 7.	4.9	60
18	Natural killer cells protect mice from DSS-induced colitis by regulating neutrophil function via the NKG2A receptor. <i>Mucosal Immunology</i> , 2013, 6, 1016-1026.	2.7	55

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19	The complex role of inflammasomes in the pathogenesis of Inflammatory Bowel Diseases – Lessons learned from experimental models. <i>Cytokine and Growth Factor Reviews</i> , 2014, 25, 715-730.	3.2	54
20	TNF- α synergises with IFN- γ to induce caspase-8/JAK1/2-STAT1-dependent death of intestinal epithelial cells. <i>Cell Death and Disease</i> , 2021, 12, 864.	2.7	54
21	Natural Killer Cells Protect against Mucosal and Systemic Infection with the Enteric Pathogen <i>Citrobacter rodentium</i> . <i>Infection and Immunity</i> , 2013, 81, 460-469.	1.0	53
22	Magnetic resonance imaging of experimental mouse colitis and association with inflammatory activity. <i>Inflammatory Bowel Diseases</i> , 2006, 12, 478-485.	0.9	48
23	Inflammatory bowel disease – From mechanisms to treatment strategies. <i>Autoimmunity</i> , 2010, 43, 463-477.	1.2	44
24	Local production of chemokines and prostaglandin E2 in the acute, chronic and recovery phase of murine experimental colitis. <i>Cytokine</i> , 2006, 35, 275-283.	1.4	43
25	Psychological stress reactivates dextran sulfate sodium-induced chronic colitis in mice. <i>Stress</i> , 2008, 11, 348-362.	0.8	41
26	Emerging applications of upconverting nanoparticles in intestinal infection and colorectal cancer. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 1027-1038.	3.3	41
27	Mice with experimental colitis show an altered metabolism with decreased metabolic rate. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, G165-G172.	1.6	39
28	Lack of colonic inflammation-induced acute visceral hypersensitivity to colorectal distension in Na ^v 1.9 knockout mice. <i>European Journal of Pain</i> , 2008, 12, 934-944.	1.4	37
29	Carcinoembryonic antigen (CEACAM) family members and Inflammatory Bowel Disease. <i>Cytokine and Growth Factor Reviews</i> , 2019, 47, 21-31.	3.2	36
30	Use of bioluminescence imaging to track neutrophil migration and its inhibition in experimental colitis. <i>Clinical and Experimental Immunology</i> , 2010, 162, 188-196.	1.1	30
31	Dextran Sulfate Sodium-induced Colitis Generates a Transient Thymic Involution ? Impact on Thymocyte Subsets. <i>Scandinavian Journal of Immunology</i> , 2007, 65, 421-429.	1.3	27
32	IL-1 receptor-associated kinase M downregulates DSS-induced colitis. <i>Inflammatory Bowel Diseases</i> , 2010, 16, 1778-1786.	0.9	27
33	Human small intestinal mucosa harbours a small population of cytolytically active CD8+ α beta T lymphocytes. <i>Immunology</i> , 2002, 106, 476-485.	2.0	26
34	Dextran sulphate sodium induces acute colitis and alters hepatic function in hamsters. <i>International Immunopharmacology</i> , 2008, 8, 20-27.	1.7	26
35	Induction of immunomodulatory miR-146a and miR-155 in small intestinal epithelium of <i>Vibrio cholerae</i> infected patients at acute stage of cholera. <i>PLoS ONE</i> , 2017, 12, e0173817.	1.1	25
36	The Sphingosine-1-Phosphate Analogue FTY720 Impairs Mucosal Immunity and Clearance of the Enteric Pathogen <i>Citrobacter rodentium</i> . <i>Infection and Immunity</i> , 2012, 80, 2712-2723.	1.0	23

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37	Whey protein effects on energy balance link the intestinal mechanisms of energy absorption with adiposity and hypothalamic neuropeptide gene expression. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 313, E1-E11.	1.8	23
38	Neuroendocrine changes in colon of mice with a disrupted IL-2 gene. <i>Clinical and Experimental Immunology</i> , 2000, 120, 424-433.	1.1	22
39	High-throughput magnetic resonance imaging in murine colonic inflammation. <i>Biochemical and Biophysical Research Communications</i> , 2007, 355, 1102-1107.	1.0	22
40	Regulation of CEACAM Family Members by IBD-Associated Triggers in Intestinal Epithelial Cells, Their Correlation to Inflammation and Relevance to IBD Pathogenesis. <i>Frontiers in Immunology</i> , 2021, 12, 655960.	2.2	22
41	Bcl-3 deficiency protects against dextran-sodium sulphate-induced colitis in the mouse. <i>Clinical and Experimental Immunology</i> , 2013, 173, 332-342.	1.1	20
42	Quantitative analysis of mucosal oxygenation using ex vivo imaging of healthy and inflamed mammalian colon tissue. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 141-151.	2.4	19
43	Human BCL-G regulates secretion of inflammatory chemokines but is dispensable for induction of apoptosis by IFN- γ and TNF- α in intestinal epithelial cells. <i>Cell Death and Disease</i> , 2020, 11, 68.	2.7	18
44	An apoptotic response by J774 macrophage cells is common upon infection with diarrheagenic <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 1999, 172, 29-34.	0.7	17
45	Cytolytic Capabilities of Lamina Propria and Intraepithelial Lymphocytes in Normal and Chronically Inflamed Human Intestine. <i>Scandinavian Journal of Immunology</i> , 2004, 60, 167-177.	1.3	16
46	Predicting and monitoring colitis development in mice by micro-computed tomography. <i>Inflammatory Bowel Diseases</i> , 2008, 14, 491-499.	0.9	15
47	Activation of liver X receptor suppresses the production of the IL-12 family of cytokines by blocking nuclear translocation of NF- κ Bp50. <i>Innate Immunity</i> , 2014, 20, 675-687.	1.1	15
48	The application and relevance of ex vivo culture systems for assessment of IBD treatment in murine models of colitis. <i>Pharmacological Research</i> , 2008, 58, 222-231.	3.1	14
49	Intra-colonic administration of the TLR7 agonist R-848 induces an acute local and systemic inflammation in mice. <i>Biochemical and Biophysical Research Communications</i> , 2008, 367, 242-248.	1.0	14
50	Technical Advance: Function and efficacy of an α 4-integrin antagonist using bioluminescence imaging to detect leukocyte trafficking in murine experimental colitis. <i>Journal of Leukocyte Biology</i> , 2010, 88, 1271-1278.	1.5	14
51	<i>Bifidobacterium breve</i> Exopolysaccharide Blocks Dendritic Cell Maturation and Activation of CD4+ T Cells. <i>Frontiers in Microbiology</i> , 2021, 12, 653587.	1.5	14
52	Gender dependent importance of IRAK-1 in dextran sulfate sodium induced colitis. <i>Cellular Immunology</i> , 2009, 259, 27-32.	1.4	13
53	Anti-inflammatory effects of budesonide in intestinal epithelial cells. <i>Pharmacological Research</i> , 2005, 52, 422-428.	3.1	12
54	Macrophage cytokine responses to commensal Gram-positive <i>Lactobacillus salivarius</i> strains are TLR2-independent and Myd88-dependent. <i>Scientific Reports</i> , 2021, 11, 5896.	1.6	12

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55	Effects of anti-inflammatory therapy on bursting pressure of colonic anastomosis in murine dextran sulfate sodium induced colitis. <i>Scandinavian Journal of Gastroenterology</i> , 2015, 50, 991-1001.	0.6	10
56	Inflammasome Signaling Regulates the Microbial-Neuroimmune Axis and Visceral Pain in Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8336.	1.8	9
57	Shining a Light on Intestinal Traffic. <i>Clinical and Developmental Immunology</i> , 2012, 2012, 1-14.	3.3	8
58	Modelling of Mouse Experimental Colitis by Global Property Screens: A Holistic Approach to Assess Drug Effects in Inflammatory Bowel Disease. <i>PLoS ONE</i> , 2012, 7, e30005.	1.1	8
59	Protein quality and quantity influence the effect of dietary fat on weight gain and tissue partitioning via host-microbiota changes. <i>Cell Reports</i> , 2021, 35, 109093.	2.9	8
60	Are Proton Pump Inhibitors Affecting Intestinal Microbiota Health?. <i>Gastroenterology</i> , 2015, 149, 848-850.	0.6	5
61	Staying alive: growth and survival of <i>Bifidobacterium animalis</i> subsp. <i>animalis</i> under in vitro and in vivo conditions. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10645-10663.	1.7	3
62	An apoptotic response by J774 macrophage cells is common upon infection with diarrheagenic <i>Escherichia coli</i> . , 0, .		3
63	Sa1870 MiR-375 is a Key Regulator of Intestinal Homeostasis in Response to Inflammatory Stress. <i>Gastroenterology</i> , 2012, 142, S-346.	0.6	2
64	MiR-146a Negatively Regulates IL-17A Inflammatory Response and is Elevated in Intestinal Epithelial Cells From Inflammatory Bowel Disease (IBD) Patients. <i>Gastroenterology</i> , 2011, 140, S-84.	0.6	1
65	Mo1098 Differential Expression of Epigenetic Modifier Genes in Inflammatory Bowel Disease Colonic Tissue - PRDM1 and PRDM8 are up-Regulated in Active Ulcerative Colitis. <i>Gastroenterology</i> , 2012, 142, S-595.	0.6	1
66	Su2044 Evidence of on-Going Activation of the CXCR3 Chemokine System in Irritable Bowel Syndrome (IBS). <i>Gastroenterology</i> , 2014, 146, S-530-S-531.	0.6	1
67	Microbial Neuro-Immune Interactions and the Pathophysiology of IBD. , 0, , .		1
68	T1718 Natural Killer Cell Responses in Both Acute and Chronic Phases of a Murine Model of Experimental Colitis. <i>Gastroenterology</i> , 2009, 136, A-565.	0.6	0
69	S1652 The Effect of the Farnesoid X Receptor (FXR) and It's Agonist - GSK488062B - On Experimental Models of Colitis and Cytokine Production from IBD Tissue. <i>Gastroenterology</i> , 2009, 136, A-243.	0.6	0
70	The Immunomodulatory Drug FTY720 Prevents Clearance of <i>Citrobacter rodentium</i> Infection in Mice. <i>Gastroenterology</i> , 2011, 140, S-325.	0.6	0
71	Stimulation of T-Cells in Irritable Bowel Syndrome (IBS) Mucosal Biopsy Tissue Releases Cytokines Which Selectively Activate Submucosal Neurons. <i>Gastroenterology</i> , 2011, 140, S-129.	0.6	0
72	IFN- γ and TNF- α Synergise to Induce Expression of the Novel PRO-Apoptotic Gene BCL-G and Apoptosis in Intestinal Epithelial Cells and BCL-G Expression is Reduced in Inflammatory Bowel Disease (IBD) and Colon Cancer. <i>Gastroenterology</i> , 2011, 140, S-648.	0.6	0

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73	Tu1969 Elevated Expression of the Cytosolic DNA Sensors AIM2 and ZBP1/DAI in Active Ulcerative Colitis but Not Crohn's Disease Colonic Tissue. <i>Gastroenterology</i> , 2012, 142, S-889.	0.6	0
74	Tu1843 Deficiency in ATG16L1 Increases the Ability of the Adherent-Invasive Escherichia coli (HM605) to Replicate in and Reduce Barrier Integrity of Intestinal Epithelial Cells. <i>Gastroenterology</i> , 2012, 142, S-859.	0.6	0
75	Su2001 Altered Expression and Activation of the CXCR3/CXCL10 Chemokine System in Irritable Bowel Syndrome (IBS) Mucosal Biopsy Tissue. <i>Gastroenterology</i> , 2012, 142, S-557.	0.6	0
76	1109 NK Cells Protect Mice During Acute Experimental Colitis by Regulating Neutrophil Function via NKG2A-dependent Mechanisms. <i>Gastroenterology</i> , 2012, 142, S-200-S-201.	0.6	0
77	Tu1430 The Role of IL-9/IL9r in Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2012, 142, S-830.	0.6	0
78	Sa1818 Natural Killer Cells Contribute to Clearance of the Enteric Pathogen <i>Citrobacter Rodentium</i> Through Direct and Indirect Mechanisms. <i>Gastroenterology</i> , 2013, 144, S-312-S-313.	0.6	0
79	273 High Fat Feeding Alters Gut Microbiota and Protects Mice From Colitis and Colitis-Associated Colorectal Cancer. <i>Gastroenterology</i> , 2014, 146, S-65.	0.6	0
80	409 The Colonic Adherent-Invasive Escherichia coli Strain HM605 Induces Anti-Apoptotic Responses in Intestinal Epithelial Cells, Reduces Barrier Integrity and Worsens Experimental Colitis. <i>Gastroenterology</i> , 2014, 146, S-88.	0.6	0
81	Sa1797 Altered Immunometabolism As a Result of Colonic Inflammation and Westernized Diet in Experimental Models of Colitis and Colitis-Associated Colorectal Cancer. <i>Gastroenterology</i> , 2015, 148, S-335.	0.6	0
82	Su1939 Neuro-Immune Changes in IBS: A Link Between Microbiota, TLRs and Sensory-Related Markers?. <i>Gastroenterology</i> , 2016, 150, S594.	0.6	0
83	Visualising Bacterial Colonization Dynamics Inside the Gut Using Upconverting Nanoparticles Luminescence Imaging. , 2018, , .		0
84	The microbiome and food that fuels the fire of inflammation. <i>Biochemist</i> , 2017, 39, 16-19.	0.2	0
85	Visualizing the colonization dynamics of pathogenic bacteria labelled by upconverting nanoparticles inside the gut. , 2019, , .		0
86	Short-term consumption of a high-fat diet increases host susceptibility to <i>Listeria monocytogenes</i> infection. <i>Access Microbiology</i> , 2020, 2, .	0.2	0