

Didier Merlin

List of Publications by Year in descending order

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190
papers

13,508
citations

14614

66
h-index

25716

108
g-index

192
all docs

192
docs citations

192
times ranked

16189
citing authors

#	ARTICLE	IF	CITATIONS
1	Orally delivered thioketal nanoparticles loaded with TNF- α siRNA target inflammation and inhibit gene expression in the intestines. <i>Nature Materials</i> , 2010, 9, 923-928.	13.3	595
2	Edible ginger-derived nanoparticles: A novel therapeutic approach for the prevention and treatment of inflammatory bowel disease and colitis-associated cancer. <i>Biomaterials</i> , 2016, 101, 321-340.	5.7	492
3	Concomitant Activation of the JAK/STAT, PI3K/AKT, and ERK Signaling Is Involved in Leptin-Mediated Promotion of Invasion and Migration of Hepatocellular Carcinoma Cells. <i>Cancer Research</i> , 2007, 67, 2497-2507.	0.4	430
4	Shanthi V. Sitaraman, MD, PhD. <i>Gastroenterology</i> , 2011, 141, 1-3.	0.6	357
5	Temporal and Spatial Analysis of Clinical and Molecular Parameters in Dextran Sodium Sulfate Induced Colitis. <i>PLoS ONE</i> , 2009, 4, e6073.	1.1	318
6	Dextran Sodium Sulfate (DSS) Induces Colitis in Mice by Forming Nano-Lipocomplexes with Medium-Chain-Length Fatty Acids in the Colon. <i>PLoS ONE</i> , 2012, 7, e32084.	1.1	252
7	Targeted Deletion of Metalloproteinase 9 Attenuates Experimental Colitis in Mice: Central Role of Epithelial-Derived MMP. <i>Gastroenterology</i> , 2005, 129, 1991-2008.	0.6	237
8	Edible Ginger-derived Nano-lipids Loaded with Doxorubicin as a Novel Drug-delivery Approach for Colon Cancer Therapy. <i>Molecular Therapy</i> , 2016, 24, 1783-1796.	3.7	226
9	hPepT1 transports muramyl dipeptide, activating NF- κ B and stimulating IL-8 secretion in human colonic Caco2/bbe cells. <i>Gastroenterology</i> , 2004, 127, 1401-1409.	0.6	223
10	Plant derived edible nanoparticles as a new therapeutic approach against diseases. <i>Tissue Barriers</i> , 2016, 4, e1134415.	1.6	206
11	Salmonella typhimurium induces epithelial IL-8 expression via Ca ²⁺ -mediated activation of the NF- κ B pathway. <i>Journal of Clinical Investigation</i> , 2000, 105, 79-92.	3.9	203
12	Drug-Loaded Nanoparticles Targeted to the Colon With Polysaccharide Hydrogel Reduce Colitis in a Mouse Model. <i>Gastroenterology</i> , 2010, 138, 843-853.e2.	0.6	200
13	IL-6 Induces NF- κ B Activation in the Intestinal Epithelia. <i>Journal of Immunology</i> , 2003, 171, 3194-3201.	0.4	197
14	Dietary Emulsifier-Induced Low-Grade Inflammation Promotes Colon Carcinogenesis. <i>Cancer Research</i> , 2017, 77, 27-40.	0.4	187
15	Bidirectional Crosstalk between Leptin and Insulin-like Growth Factor-I Signaling Promotes Invasion and Migration of Breast Cancer Cells via Transactivation of Epidermal Growth Factor Receptor. <i>Cancer Research</i> , 2008, 68, 9712-9722.	0.4	185
16	PepT1-mediated epithelial transport of dipeptides and cephalixin is enhanced by luminal leptin in the small intestine. <i>Journal of Clinical Investigation</i> , 2001, 108, 1483-1494.	3.9	181
17	Colonic epithelial hPepT1 expression occurs in inflammatory bowel disease: Transport of bacterial peptides influences expression of MHC class 1 molecules. <i>Gastroenterology</i> , 2001, 120, 1666-1679.	0.6	176
18	Combination Therapy for Ulcerative Colitis: Orally Targeted Nanoparticles Prevent Mucosal Damage and Relieve Inflammation. <i>Theranostics</i> , 2016, 6, 2250-2266.	4.6	174

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19	Mannosylated bioreducible nanoparticle-mediated macrophage-specific TNF- β RNA interference for IBD therapy. <i>Biomaterials</i> , 2013, 34, 7471-7482.	5.7	168
20	Oral administration of ginger-derived nanolipids loaded with siRNA as a novel approach for efficient siRNA drug delivery to treat ulcerative colitis. <i>Nanomedicine</i> , 2017, 12, 1927-1943.	1.7	166
21	Neutrophil-epithelial crosstalk at the intestinal luminal surface mediated by reciprocal secretion of adenosine and IL-6. <i>Journal of Clinical Investigation</i> , 2001, 107, 861-869.	3.9	164
22	Nanoparticles With Surface Antibody Against CD98 and Carrying CD98 Small Interfering RNA Reduce Colitis in Mice. <i>Gastroenterology</i> , 2014, 146, 1289-1300.e19.	0.6	152
23	Advances in plant-derived edible nanoparticle-based lipid nano-drug delivery systems as therapeutic nanomedicines. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1312-1321.	2.9	150
24	Oral Delivery of Nanoparticles Loaded With Ginger Active Compound, 6-Shogaol, Attenuates Ulcerative Colitis and Promotes Wound Healing in a Murine Model of Ulcerative Colitis. <i>Journal of Crohn's and Colitis</i> , 2018, 12, 217-229.	0.6	150
25	Colonic leptin: source of a novel pro-inflammatory cytokine involved in inflammatory bowel disease. <i>FASEB Journal</i> , 2004, 18, 696-698.	0.2	148
26	Microbiota Modulate Host Gene Expression via MicroRNAs. <i>PLoS ONE</i> , 2011, 6, e19293.	1.1	144
27	Prohibitin protects against oxidative stress in intestinal epithelial cells. <i>FASEB Journal</i> , 2007, 21, 197-206.	0.2	140
28	Orally Targeted Delivery of Tripeptide KPV via Hyaluronic Acid-Functionalized Nanoparticles Efficiently Alleviates Ulcerative Colitis. <i>Molecular Therapy</i> , 2017, 25, 1628-1640.	3.7	138
29	Functional TNF- β gene silencing mediated by polyethyleneimine/TNF- β siRNA nanocomplexes in inflamed colon. <i>Biomaterials</i> , 2011, 32, 1218-1228.	5.7	136
30	Dextran sodium sulfate inhibits the activities of both polymerase and reverse transcriptase: lithium chloride purification, a rapid and efficient technique to purify RNA. <i>BMC Research Notes</i> , 2013, 6, 360.	0.6	133
31	Hyaluronic acid-functionalized polymeric nanoparticles for colon cancer-targeted combination chemotherapy. <i>Nanoscale</i> , 2015, 7, 17745-17755.	2.8	131
32	Matrix metalloproteinase-9-mediated tissue injury overrides the protective effect of matrix metalloproteinase-2 during colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G175-G184.	1.6	128
33	TLR5-mediated activation of p38 MAPK regulates epithelial IL-8 expression via posttranscriptional mechanism. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 285, G282-G290.	1.6	126
34	Fab ¹ -bearing siRNA TNF- β -loaded nanoparticles targeted to colonic macrophages offer an effective therapy for experimental colitis. <i>Journal of Controlled Release</i> , 2014, 186, 41-53.	4.8	123
35	Oral colon-specific therapeutic approaches toward treatment of inflammatory bowel disease. <i>Expert Opinion on Drug Delivery</i> , 2012, 9, 1393-1407.	2.4	122
36	Co-delivery of camptothecin and curcumin by cationic polymeric nanoparticles for synergistic colon cancer combination chemotherapy. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7724-7733.	2.9	120

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37	A Hyaluronidase-Responsive Nanoparticle-Based Drug Delivery System for Targeting Colon Cancer Cells. <i>Cancer Research</i> , 2016, 76, 7208-7218.	0.4	108
38	Luminal Leptin Enhances CD147/MCT-1-mediated Uptake of Butyrate in the Human Intestinal Cell Line Caco2-BBE. <i>Journal of Biological Chemistry</i> , 2002, 277, 28182-28190.	1.6	106
39	The role and pathophysiological relevance of membrane transporter PepT1 in intestinal inflammation and inflammatory bowel disease. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, G484-G492.	1.6	105
40	Nanoparticle-Based Oral Drug Delivery Systems Targeting the Colon for Treatment of Ulcerative Colitis. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 1401-1415.	0.9	105
41	A2B Adenosine Receptor Gene Deletion Attenuates Murine Colitis. <i>Gastroenterology</i> , 2008, 135, 861-870.	0.6	103
42	CD98 expression modulates intestinal homeostasis, inflammation, and colitis-associated cancer in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 1733-1747.	3.9	102
43	PepT1-Mediated Tripeptide KPV Uptake Reduces Intestinal Inflammation. <i>Gastroenterology</i> , 2008, 134, 166-178.	0.6	101
44	<p>Nanoparticle-Mediated Drug Delivery Systems For The Treatment Of IBD: Current Perspectives</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 8875-8889.	3.3	99
45	TNF± gene silencing mediated by orally targeted nanoparticles combined with interleukin-22 for synergistic combination therapy of ulcerative colitis. <i>Journal of Controlled Release</i> , 2018, 287, 235-246.	4.8	96
46	Prohibitin Is a Novel Regulator of Antioxidant Response That Attenuates Colonic Inflammation in Mice. <i>Gastroenterology</i> , 2009, 137, 199-208.e6.	0.6	95
47	MicroRNA-7 Modulates CD98 Expression during Intestinal Epithelial Cell Differentiation. <i>Journal of Biological Chemistry</i> , 2010, 285, 1479-1489.	1.6	95
48	A click-and-release approach to CO prodrugs. <i>Chemical Communications</i> , 2014, 50, 15890-15893.	2.2	95
49	Targeting Intestinal Inflammation With CD98 siRNA/PEI-loaded Nanoparticles. <i>Molecular Therapy</i> , 2014, 22, 69-80.	3.7	90
50	A CRISPR-Cas system enhances envelope integrity mediating antibiotic resistance and inflammasome evasion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11163-11168.	3.3	90
51	Kruppel-like factor 5 is an important mediator for lipopolysaccharide-induced proinflammatory response in intestinal epithelial cells. <i>Nucleic Acids Research</i> , 2006, 34, 1216-1223.	6.5	88
52	Selective Ablation of Matrix Metalloproteinase-2 Exacerbates Experimental Colitis: Contrasting Role of Gelatinases in the Pathogenesis of Colitis. <i>Journal of Immunology</i> , 2006, 177, 4103-4112.	0.4	87
53	Inhibition of MDR1 gene expression and enhancing cellular uptake for effective colon cancer treatment using dual-surface-functionalized nanoparticles. <i>Biomaterials</i> , 2015, 48, 147-160.	5.7	87
54	A cytokine network involving IL-36 ^β , IL-23, and IL-22 promotes antimicrobial defense and recovery from intestinal barrier damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5076-E5085.	3.3	87

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55	The Adenosine 2b Receptor Is Recruited to the Plasma Membrane and Associates with E3KARP and Ezrin upon Agonist Stimulation. <i>Journal of Biological Chemistry</i> , 2002, 277, 33188-33195.	1.6	86
56	Matrix Metalloproteinase-9 Functions as a Tumor Suppressor in Colitis-Associated Cancer. <i>Cancer Research</i> , 2010, 70, 792-801.	0.4	85
57	Oral delivery of natural active small molecules by polymeric nanoparticles for the treatment of inflammatory bowel diseases. <i>Advanced Drug Delivery Reviews</i> , 2021, 176, 113887.	6.6	83
58	Nanoparticle-mediated co-delivery of chemotherapeutic agent and siRNA for combination cancer therapy. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 65-73.	2.4	80
59	Butyrate Transcriptionally Enhances Peptide Transporter PepT1 Expression and Activity. <i>PLoS ONE</i> , 2008, 3, e2476.	1.1	79
60	Interleukin-6 Induces Keratin Expression in Intestinal Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 8219-8227.	1.6	78
61	Nanomedicine in GI. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, G371-G383.	1.6	78
62	Silencing of Intestinal Glycoprotein CD98 by Orally Targeted Nanoparticles Enhances Chemosensitization of Colon Cancer. <i>ACS Nano</i> , 2018, 12, 5253-5265.	7.3	78
63	L-Ala- ¹³ -d-Glu-meso-diaminopimelic Acid (DAP) Interacts Directly with Leucine-rich Region Domain of Nucleotide-binding Oligomerization Domain 1, Increasing Phosphorylation Activity of Receptor-interacting Serine/Threonine-protein Kinase 2 and Its Interaction with Nucleotide-binding Oligomerization Domain 1. <i>Journal of Biological Chemistry</i> , 2011, 286, 31003-31013.	1.6	77
64	All-transretinoic acid inhibits proliferation of intestinal epithelial cells by inhibiting expression of the gene encoding KrÄ¼ppel-like factor 5. <i>FEBS Letters</i> , 2004, 578, 99-105.	1.3	76
65	Micheliolide, a new sesquiterpene lactone that inhibits intestinal inflammation and colitis-associated cancer. <i>Laboratory Investigation</i> , 2014, 94, 950-965.	1.7	75
66	Constitutive and regulated secretion of secretory leukocyte proteinase inhibitor by human intestinal epithelial cells. <i>Gastroenterology</i> , 2000, 118, 1061-1071.	0.6	70
67	TGFâ€² downâ€­regulates ILâ€­6 signaling in intestinal epithelial cells: Critical role of SMADâ€­2. <i>FASEB Journal</i> , 2003, 17, 1-20.	0.2	70
68	Microelectrode miRNA Sensors Enabled by Enzymeless Electrochemical Signal Amplification. <i>Analytical Chemistry</i> , 2015, 87, 8173-8180.	3.2	69
69	PepT1-mediated fMLP transport induces intestinal inflammation in vivo. <i>American Journal of Physiology - Cell Physiology</i> , 2002, 283, C1795-C1800.	2.1	67
70	Epithelial-derived Fibronectin Expression, Signaling, and Function in Intestinal Inflammation. <i>Journal of Biological Chemistry</i> , 2007, 282, 32965-32973.	1.6	66
71	Matrix Metalloproteinase-9 Regulates MUC-2 Expression Through Its Effect on Goblet Cell Differentiation. <i>Gastroenterology</i> , 2007, 132, 1877-1889.	0.6	65
72	Oral administration of pH-sensitive curcumin-loaded microparticles for ulcerative colitis therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 379-385.	2.5	65

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73	Distinct Ca ²⁺ - and cAMP-dependent anion conductances in the apical membrane of polarized T84 cells. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 275, C484-C495.	2.1	64
74	The oligopeptide transporter hPepT1: gateway to the innate immune response. <i>Laboratory Investigation</i> , 2006, 86, 538-546.	1.7	64
75	ADAM-15: a metalloprotease that mediates inflammation. <i>FASEB Journal</i> , 2008, 22, 641-653.	0.2	64
76	Prohibitin Inhibits Tumor Necrosis Factor α -induced Nuclear Factor- κ B Nuclear Translocation via the Novel Mechanism of Decreasing Importin β 3 Expression. <i>Molecular Biology of the Cell</i> , 2009, 20, 4412-4423.	0.9	63
77	PepT1 mediates transport of the proinflammatory bacterial tripeptide α -Ala- β -Glu-meso-DAP in intestinal epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, G687-G696.	1.6	59
78	Salmonella typhimurium transcytoses flagellin via an SPI2-mediated vesicular transport pathway. <i>Journal of Cell Science</i> , 2004, 117, 5771-5780.	1.2	57
79	Nanoparticle-based therapeutic delivery of prohibitin to the colonic epithelial cells ameliorates acute murine colitis. <i>Inflammatory Bowel Diseases</i> , 2011, 17, 1163-1176.	0.9	54
80	Nanotechnology in diagnostics and therapeutics for gastrointestinal disorders. <i>Digestive and Liver Disease</i> , 2013, 45, 995-1002.	0.4	54
81	CD98-mediated Links between Amino Acid Transport and β 2 Integrin Distribution in Polarized Columnar Epithelia. <i>Journal of Biological Chemistry</i> , 2001, 276, 39282-39289.	1.6	53
82	MicroRNAs determine human intestinal epithelial cell fate. <i>Differentiation</i> , 2010, 80, 147-154.	1.0	53
83	MicroRNA-92b regulates expression of the oligopeptide transporter PepT1 in intestinal epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, G52-G59.	1.6	53
84	Tumor Necrosis Factor α -Neuropeptide Y Cross Talk Regulates Inflammation, Epithelial Barrier Functions, and Colonic Motility. <i>Inflammatory Bowel Diseases</i> , 2013, 19, 2535-2546.	0.9	53
85	Genetic Deletion of Klf4 in the Mouse Intestinal Epithelium Ameliorates Dextran Sodium Sulfate-induced Colitis by Modulating the NF- κ B Pathway Inflammatory Response. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 811-820.	0.9	52
86	Oral Gavage of Ginger Nanoparticle-Derived Lipid Vectors Carrying Dmt1 siRNA Blunts Iron Loading in Murine Hereditary Hemochromatosis. <i>Molecular Therapy</i> , 2019, 27, 493-506.	3.7	52
87	Host-derived fecal microRNAs can indicate gut microbiota healthiness and ability to induce inflammation. <i>Theranostics</i> , 2019, 9, 4542-4557.	4.6	52
88	The PepT1 α -NOD2 Signaling Pathway Aggravates Induced Colitis in Mice. <i>Gastroenterology</i> , 2011, 141, 1334-1345.	0.6	50
89	ADAM-15 inhibits wound healing in human intestinal epithelial cell monolayers. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, G346-G353.	1.6	48
90	NF- κ B pathway in colitis-associated cancers. <i>Translational Gastrointestinal Cancer</i> , 2013, 2, 21-29.	3.0	46

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91	Activation of epithelial CD98 glycoprotein perpetuates colonic inflammation. <i>Laboratory Investigation</i> , 2005, 85, 932-941.	1.7	43
92	Lateral membrane LXA ₄ receptors mediate LXA ₄ 's anti-inflammatory actions on intestinal epithelium. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 284, C888-C896.	2.1	42
93	Intestinal epithelial CD98: An oligomeric and multifunctional protein. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 1087-1092.	1.1	42
94	Lipid-Based Drug Delivery Nanoplatfoms for Colorectal Cancer Therapy. <i>Nanomaterials</i> , 2020, 10, 1424.	1.9	42
95	Tumor necrosis factor- α and interferon- β increase PepT1 expression and activity in the human colon carcinoma cell line Caco-2/bbe and in mouse intestine. <i>Pflugers Archiv European Journal of Physiology</i> , 2006, 452, 71-80.	1.3	41
96	Agonist-induced polarized trafficking and surface expression of the adenosine 2b receptor in intestinal epithelial cells: role of SNARE proteins. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, G1100-G1107.	1.6	40
97	Polarized fibronectin secretion induced by adenosine regulates bacterial-epithelial interaction in human intestinal epithelial cells. <i>Biochemical Journal</i> , 2004, 382, 589-596.	1.7	40
98	hPepT1 mediates bacterial tripeptide fMLP uptake in human monocytes. <i>Laboratory Investigation</i> , 2006, 86, 490-503.	1.7	40
99	Interferon- β Increases hPepT1-Mediated Uptake of Di-Tripeptides Including the Bacterial Tripeptide fMLP in Polarized Intestinal Epithelia. <i>American Journal of Pathology</i> , 2003, 163, 1969-1977.	1.9	39
100	Overexpression of Ste20-Related Proline/Alanine-Rich Kinase Exacerbates Experimental Colitis in Mice. <i>Journal of Immunology</i> , 2011, 187, 1496-1505.	0.4	39
101	Matrix metalloproteinase 9 (MMP9) limits reactive oxygen species (ROS) accumulation and DNA damage in colitis-associated cancer. <i>Cell Death and Disease</i> , 2020, 11, 767.	2.7	39
102	Leptin Transcriptionally Enhances Peptide Transporter (hPepT1) Expression and Activity via the cAMP-response Element-binding Protein and Cdx2 Transcription Factors. <i>Journal of Biological Chemistry</i> , 2007, 282, 1359-1373.	1.6	38
103	Adenosine 2B receptors (A _{2B} AR) on enteric neurons regulate murine distal colonic motility. <i>FASEB Journal</i> , 2009, 23, 2727-2734.	0.2	38
104	Erythroid differentiation regulator-1 induced by microbiota in early life drives intestinal stem cell proliferation and regeneration. <i>Nature Communications</i> , 2020, 11, 513.	5.8	38
105	Nuclear Factor- κ B Is a Critical Mediator of Ste20-Like Proline-/Alanine-Rich Kinase Regulation in Intestinal Inflammation. <i>American Journal of Pathology</i> , 2008, 173, 1013-1028.	1.9	37
106	Glycoprotein CD98 as a receptor for colitis-targeted delivery of nanoparticles. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1499.	2.9	37
107	Recent advances in orally administered cell-specific nanotherapeutics for inflammatory bowel disease. <i>World Journal of Gastroenterology</i> , 2016, 22, 7718.	1.4	37
108	Natural-lipid nanoparticle-based therapeutic approach to deliver 6-shogaol and its metabolites M2 and M13 to the colon to treat ulcerative colitis. <i>Journal of Controlled Release</i> , 2020, 323, 293-310.	4.8	36

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109	Notch1 Regulates the Effects of Matrix Metalloproteinase-9 on Colitis-Associated Cancer in Mice. <i>Gastroenterology</i> , 2011, 141, 1381-1392.	0.6	35
110	Homeostatic and innate immune responses: role of the transmembrane glycoprotein CD98. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 3015-3026.	2.4	35
111	ADAM15 to $\alpha 5 \beta 1$ integrin switch in colon carcinoma cells: A late event in cancer progression associated with tumor dedifferentiation and poor prognosis. <i>International Journal of Cancer</i> , 2012, 130, 278-287.	2.3	35
112	Effects of tripolyphosphate on cellular uptake and RNA interference efficiency of chitosan-based nanoparticles in Raw 264.7 macrophages. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 520-528.	5.0	33
113	CD98 and Intracellular Adhesion Molecule I Regulate the Activity of Amino Acid Transporter LAT-2 in Polarized Intestinal Epithelia. <i>Journal of Biological Chemistry</i> , 2003, 278, 23672-23677.	1.6	32
114	Oral Targeted Delivery by Nanoparticles Enhances Efficacy of an Hsp90 Inhibitor by Reducing Systemic Exposure in Murine Models of Colitis and Colitis-Associated Cancer. <i>Journal of Crohn's and Colitis</i> , 2020, 14, 130-141.	0.6	32
115	Interferon- β Down-regulates Adenosine 2b Receptor-mediated Signaling and Short Circuit Current in the Intestinal Epithelia by Inhibiting the Expression of Adenylate Cyclase. <i>Journal of Biological Chemistry</i> , 2005, 280, 4048-4057.	1.6	31
116	Interleukin-6 Transcriptionally Regulates Prohibitin Expression in Intestinal Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 12804-12812.	1.6	31
117	Pathogenic Bacteria Induce Colonic PepT1 Expression: An Implication in Host Defense Response. <i>Gastroenterology</i> , 2009, 137, 1435-1447.e2.	0.6	30
118	Adenosine 2B Receptor Expression Is Post-transcriptionally Regulated by MicroRNA. <i>Journal of Biological Chemistry</i> , 2010, 285, 18184-18190.	1.6	30
119	Oral delivery of curcumin via porous polymeric nanoparticles for effective ulcerative colitis therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5881-5891.	2.9	30
120	Function, Regulation, and Pathophysiological Relevance of the POT Superfamily, Specifically PepT1 in Inflammatory Bowel Disease. , 2018, 8, 731-760.		30
121	Interferon- β modulates cAMP-induced mucin exocytosis without affecting mucin gene expression in a human colonic goblet cell line. <i>European Journal of Pharmacology</i> , 1994, 267, 95-103.	2.7	29
122	ADAM15 upregulation and interaction with multiple binding partners in inflammatory bowel disease. <i>Laboratory Investigation</i> , 2006, 86, 1064-1073.	1.7	29
123	Gastrointestinal Delivery of Anti-inflammatory Nanoparticles. <i>Methods in Enzymology</i> , 2012, 509, 101-125.	0.4	29
124	Intestinal Epithelial CD98 Directly Modulates the Innate Host Response to Enteric Bacterial Pathogens. <i>Infection and Immunity</i> , 2013, 81, 923-934.	1.0	29
125	Characterization of the human intestinal CD98 promoter and its regulation by interferon- β . <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, G535-G545.	1.6	28
126	PepT1 expressed in immune cells has an important role in promoting the immune response during experimentally induced colitis. <i>Laboratory Investigation</i> , 2013, 93, 888-899.	1.7	28

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127	Minimally invasive screening for colitis using attenuated total internal reflectance fourier transform infrared spectroscopy. <i>Journal of Biophotonics</i> , 2017, 10, 465-472.	1.1	28
128	Serum miRNA signature diagnoses and discriminates murine colitis subtypes and predicts ulcerative colitis in humans. <i>Scientific Reports</i> , 2017, 7, 2520.	1.6	28
129	ADAM-15/Metargidin Mediates Homotypic Aggregation of Human T Lymphocytes and Heterotypic Interactions of T Lymphocytes with Intestinal Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 16948-16958.	1.6	27
130	Colonic miRNA Expression/Secretion, Regulated by Intestinal Epithelial PepT1, Plays an Important Role in Cell-to-Cell Communication during Colitis. <i>PLoS ONE</i> , 2014, 9, e87614.	1.1	27
131	iRGD-functionalized PEGylated nanoparticles for enhanced colon tumor accumulation and targeted drug delivery. <i>Nanomedicine</i> , 2017, 12, 1991-2006.	1.7	27
132	Protein secondary structure analysis of dried blood serum using infrared spectroscopy to identify markers for colitis screening. <i>Journal of Biophotonics</i> , 2018, 11, e201700057.	1.1	27
133	Urocanic acid-modified chitosan nanoparticles can confer anti-inflammatory effect by delivering CD98 siRNA to macrophages. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 143, 186-193.	2.5	26
134	Biomarkers of Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 1.	0.9	25
135	Do ginger-derived nanoparticles represent an attractive treatment strategy for inflammatory bowel diseases?. <i>Nanomedicine</i> , 2016, 11, 3035-3037.	1.7	25
136	Inflammatory bowel disease biomarkers. <i>Medicinal Research Reviews</i> , 2022, 42, 1856-1887.	5.0	25
137	Critical Role of PepT1 in Promoting Colitis-Associated Cancer and Therapeutic Benefits of the Anti-inflammatory PepT1-Mediated Tripeptide KPV in a Murine Model. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 340-357.	2.3	24
138	Autologous Exosome Transfer: A New Personalised Treatment Concept to Prevent Colitis in a Murine Model. <i>Journal of Crohn's and Colitis</i> , 2020, 14, 841-855.	0.6	24
139	Ste20-Related Proline/Alanine-Rich Kinase (SPAK) Regulated Transcriptionally by Hyperosmolarity Is Involved in Intestinal Barrier Function. <i>PLoS ONE</i> , 2009, 4, e5049.	1.1	24
140	Dystroglycan receptor is involved in integrin activation in intestinal epithelia. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, G1228-G1242.	1.6	23
141	Early-Life Microbiota Exposure Restricts Myeloid-Derived Suppressor Cell-Driven Colonic Tumorigenesis. <i>Cancer Immunology Research</i> , 2019, 7, 544-551.	1.6	23
142	Longitudinal study of circulating protein biomarkers in inflammatory bowel disease. <i>Journal of Proteomics</i> , 2015, 112, 166-179.	1.2	22
143	Silk fibroin-based nanotherapeutics: application in the treatment of colonic diseases. <i>Nanomedicine</i> , 2019, 14, 2373-2378.	1.7	22
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