Emilie Viennois

List of Publications by Year
in descending order

71 papers	4,364 citations	126858 33 h-index	110317 64 g-index
74 all docs	74 docs citations	74 times ranked	5730 citing authors

#	Article	IF	Citations
1	Edible ginger-derived nanoparticles: A novel therapeutic approach for the prevention and treatment of inflammatory bowel disease and colitis-associated cancer. Biomaterials, 2016, 101, 321-340.	5.7	492
2	Edible Ginger-derived Nano-lipids Loaded with Doxorubicin as a Novel Drug-delivery Approach for Colon Cancer Therapy. Molecular Therapy, 2016, 24, 1783-1796.	3.7	226
3	Plant derived edible nanoparticles as a new therapeutic approach against diseases. Tissue Barriers, 2016, 4, e1134415.	1.6	206
4	Dietary Emulsifierâ€“Induced Low-Grade Inflammation Promotes Colon Carcinogenesis. Cancer Research, 2017, 77, 27-40.	0.4	187
5	Combination Therapy for Ulcerative Colitis: Orally Targeted Nanoparticles Prevent Mucosal Damage and Relieve Inflammation. Theranostics, 2016, 6, 2250-2266.	4.6	174
6	Mannosylated bioreducible nanoparticle-mediated macrophage-specific TNF-Î± RNA interference for IBD therapy. Biomaterials, 2013, 34, 7471-7482.	5.7	168
7	Liver X Receptor activation downregulates AKT survival signaling in lipid rafts and induces apoptosis of prostate cancer cells. Oncogene, 2010, 29, 2712-2723.	2.6	166
8	Nanoparticles With Surface Antibody Against CD98 and Carrying CD98 Small Interfering RNA Reduce Colitis in Mice. Gastroenterology, 2014, 146, 1289-1300.e19.	0.6	152
9	Orally Targeted Delivery of Tripeptide KPV via Hyaluronic Acid-Functionalized Nanoparticles Efficiently Alleviates Ulcerative Colitis. Molecular Therapy, 2017, 25, 1628-1640.	3.7	138
10	Dextran sodium sulfate inhibits the activities of both polymerase and reverse transcriptase: lithium chloride purification, a rapid and efficient technique to purify RNA. BMC Research Notes, 2013, 6, 360.	0.6	133
11	Hyaluronic acid-functionalized polymeric nanoparticles for colon cancer-targeted combination chemotherapy. Nanoscale, 2015, 7, 17745-17755.	2.8	131
12	Fab'-bearing siRNA TNFÎ±-loaded nanoparticles targeted to colonic macrophages offer an effective therapy for experimental colitis. Journal of Controlled Release, 2014, 186, 41-53.	4.8	123
13	Co-delivery of camptothecin and curcumin by cationic polymeric nanoparticles for synergistic colon cancer combination chemotherapy. Journal of Materials Chemistry B, 2015, 3, 7724-7733.	2.9	120
14	A Hyaluronidase-Responsive Nanoparticle-Based Drug Delivery System for Targeting Colon Cancer Cells. Cancer Research, 2016, 76, 7208-7218.	0.4	108
15	Direct impact of commonly used dietary emulsifiers on human gut microbiota. Microbiome, 2021, 9, 66.	4.9	108
16	Selective liver X receptor modulators (SLiMs): What use in human health?. Molecular and Cellular Endocrinology, 2012, 351, 129-141.	1.6	102
17	A click-and-release approach to CO prodrugs. Chemical Communications, 2014, 50, 15890-15893.	2.2	95
18	Targeting Intestinal Inflammation With CD98 siRNA/PEIâ€“loaded Nanoparticles. Molecular Therapy, 2014, 22, 69-80.	3.7	90

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19	Inhibition of MDR1 gene expression and enhancing cellular uptake forÂeffective colon cancer treatment using dual-surface-functionalized nanoparticles. Biomaterials, 2015, 48, 147-160.	5.7	87
20	Silencing of Intestinal Glycoprotein CD98 by Orally Targeted Nanoparticles Enhances Chemosensitization of Colon Cancer. ACS Nano, 2018, 12, 5253-5265.	7.3	78
21	Micheliolide, a new sesquiterpene lactone that inhibits intestinal inflammation and colitis-associated cancer. Laboratory Investigation, 2014, 94, 950-965.	1.7	75
22	Targeting liver X receptors in human health: deadlock or promising trail?. Expert Opinion on Therapeutic Targets, 2011, 15, 219-232.	1.5	73
23	Microelectrode miRNA Sensors Enabled by Enzymeless Electrochemical Signal Amplification. Analytical Chemistry, 2015, 87, 8173-8180.	3.2	69
24	Dietary Emulsifiers Directly Impact Adherent-Invasive E.Âcoli Gene Expression to Drive Chronic Intestinal Inflammation. Cell Reports, 2020, 33, 108229.	2.9	66
25	First victim, later aggressor: How the intestinal microbiota drives the pro-inflammatory effects of dietary emulsifiers?. Gut Microbes, 2018, 9, 289-291.	4.3	55
26	Nanotechnology in diagnostics and therapeutics for gastrointestinal disorders. Digestive and Liver Disease, 2013, 45, 995-1002.	0.4	54
27	Host-derived fecal microRNAs can indicate gut microbiota healthiness and ability to induce inflammation. Theranostics, 2019, 9, 4542-4557.	4.6	52
28	NF-Î°B pathway in colitis-associated cancers. Translational Gastrointestinal Cancer, 2013, 2, 21-29.	3.0	46
29	Liver X receptors, lipids and their reproductive secrets in the male. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 974-981.	1.8	41
30	Liver X Receptors Protect from Development of Prostatic Intra-Epithelial Neoplasia in Mice. PLoS Genetics, 2013, 9, e1003483.	1.5	38
31	Erythroid differentiation regulator-1 induced by microbiota in early life drives intestinal stem cell proliferation and regeneration. Nature Communications, 2020, 11, 513.	5.8	38
32	Glycoprotein CD98 as a receptor for colitis-targeted delivery of nanoparticles. Journal of Materials Chemistry B, 2014, 2, 1499.	2.9	37
33	Oxysterol receptors, AKT and prostate cancer. Current Opinion in Pharmacology, 2012, 12, 724-728.	1.7	36
34	Oxysterol receptors and their therapeutic applications in cancer conditions. Expert Opinion on Therapeutic Targets, 2013, 17, 1029-1038.	1.5	34
35	Function, Regulation, and Pathophysiological Relevance of the POT Superfamily, Specifically PepT1 in Inflammatory Bowel Disease. , 2018, 8, 731-760.		30
36	Intestinal Epithelial CD98 Directly Modulates the Innate Host Response to Enteric Bacterial Pathogens. Infection and Immunity, 2013, 81, 923-934.	1.0	29

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37	Knockout of Ste20-Like Proline/Alanine-Rich Kinase (SPAK) Attenuates Intestinal Inflammation in Mice. American Journal of Pathology, 2013, 182, 1617-1628.	1.9	28
38	PepT1 expressed in immune cells has an important role in promoting the immune response during experimentally induced colitis. Laboratory Investigation, 2013, 93, 888-899.	1.7	28
39	Minimally invasive screening for colitis using attenuated total internal reflectance fourier transform infrared spectroscopy. Journal of Biophotonics, 2017, 10, 465-472.	1.1	28
40	Serum miRNA signature diagnoses and discriminates murine colitis subtypes and predicts ulcerative colitis in humans. Scientific Reports, 2017, 7, 2520.	1.6	28
41	Colonic miRNA Expression/Secretion, Regulated by Intestinal Epithelial PepT1, Plays an Important Role in Cell-to-Cell Communication during Colitis. PLoS ONE, 2014, 9, e87614.	1.1	27
42	Protein secondary structure analysis of dried blood serum using infrared spectroscopy to identify markers for colitis screening. Journal of Biophotonics, 2018, 11, e201700057.	1.1	27
43	Urocanic acid-modified chitosan nanoparticles can confer anti-inflammatory effect by delivering CD98 siRNA to macrophages. Colloids and Surfaces B: Biointerfaces, 2016, 143, 186-193.	2.5	26
44	Purification of Total RNA from DSS-treated Murine Tissue via Lithium Chloride Precipitation. Bio-protocol, 2018, 8, .	0.2	26
45	MicroRNA and Gut Microbiota: Tiny but Mightyâ€"Novel Insights into Their Cross-talk in Inflammatory Bowel Disease Pathogenesis and Therapeutics. Journal of Crohn's and Colitis, 2022, 16, 992-1005.	0.6	26
46	Biomarkers of Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2015, 21, 1.	0.9	25
47	Critical Role of PepT1 in Promoting Colitis-Associated Cancer and Therapeutic Benefits of the Anti-inflammatory PepT1-Mediated Tripeptide KPV in a Murine Model. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 340-357.	2.3	24
48	Early-Life Microbiota Exposure Restricts Myeloid-Derived Suppressor Cellâ€"Driven Colonic Tumorigenesis. Cancer Immunology Research, 2019, 7, 544-551.	1.6	23
49	Longitudinal study of circulating protein biomarkers in inflammatory bowel disease. Journal of Proteomics, 2015, 112, 166-179.	1.2	22
50	LxrÎ± Regulates the Androgen Response in Prostate Epithelium. Endocrinology, 2012, 153, 3211-3223.	1.4	20
51	PepT1 Expression Helps Maintain Intestinal Homeostasis by Mediating the Differential Expression of miRNAs along the Crypt-Villus Axis. Scientific Reports, 2016, 6, 27119.	1.6	16
52	Chronic Inflammatory Diseases: Are We Ready for Microbiota-based Dietary Intervention?. Cellular and Molecular Gastroenterology and Hepatology, 2019, 8, 61-71.	2.3	16
53	Consumption of Select Dietary Emulsifiers Exacerbates the Development of Spontaneous Intestinal Adenoma. International Journal of Molecular Sciences, 2021, 22, 2602.	1.8	16
54	Isolation, Purification, and Characterization of Ginger-derived Nanoparticles (GDNPs) from Ginger, Rhizome of Zingiber officinale. Bio-protocol, 2019, 9, .	0.2	16

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55	Intestinal epithelial CD98 synthesis specifically modulates expression of colonic microRNAs during colitis. American Journal of Physiology - Renal Physiology, 2012, 302, G1282-G1291.	1.6	11
56	Ectopic Expression of Innate Immune Protein, Lipocalin-2, in Lactococcus lactis Protects Against Gut and Environmental Stressors. Inflammatory Bowel Diseases, 2017, 23, 1120-1132.	0.9	11
57	Toward Point-of-Care Diagnostics to Monitor MMP-9 and TNF-Î± Levels in Inflammatory Bowel Disease. ACS Omega, 2021, 6, 6582-6587.	1.6	11
58	Liver X receptors interfere with the deleterious effect of diethylstilbestrol on testicular physiology. Biochemical and Biophysical Research Communications, 2014, 446, 656-662.	1.0	8
59	Examination of food consumption in United States adults and the prevalence of inflammatory bowel disease using National Health Interview Survey 2015. PLoS ONE, 2020, 15, e0232157.	1.1	7
60	Identification of the Functions of Liver X Receptor-Î² in Sertoli Cells Using a Targeted Expression-Rescue Model. Endocrinology, 2015, 156, 4545-4557.	1.4	6
61	Impact of PepT1 deletion on microbiota composition and colitis requires multiple generations. Npj Biofilms and Microbiomes, 2020, 6, 27.	2.9	6
62	Point-of-Care Monitoring of Colitis Using Intestinal Alkaline Phosphatase in Inflammatory Bowel Disease. ACS Sensors, 2021, 6, 698-702.	4.0	5
63	Overexpression of CD98 in intestinal epithelium dysregulates miRNAs and their targeted proteins along the ileal villus-crypt axis. Scientific Reports, 2018, 8, 16220.	1.6	4
64	In vitro Intestinal Epithelial Wound-healing Assays Using Electric Cell-Substrate Impedance Sensing Instrument. Bio-protocol, 2019, 9, .	0.2	4
65	Infrared spectrometric biomarkers for ulcerative colitis screening using human serum samples. Journal of Biophotonics, 2022, 15, e202100307.	1.1	4
66	O-016â€ƒYIâ€ƒLongitudinal Study of Circulating miRNA Biomarkers in Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2016, 22, S6.	0.9	2
67	MiRNA Quantitation with Microelectrode Sensors Enabled by Enzymeless Electrochemical Signal Amplification. Methods in Molecular Biology, 2017, 1580, 249-263.	0.4	2
68	Connecting the Dots: Dietary Fat, Microbiota Dysbiosis, Altered Metabolome, and Colon Cancer. Gastroenterology, 2022, 162, 38-39.	0.6	2
69	Colitis screening using IR spectroscopy of serum samples. , 2017, , .		1
70	Granulocyte-Macrophage Colony-Stimulating Factor-Activated Monocytes as an Anti-inflammatory Player in the Intestine. Cellular and Molecular Gastroenterology and Hepatology, 2015, 1, 354-355.	2.3	0
71	Infrared spectroscopy as a screening technique for colitis. Proceedings of SPIE, 2017, , .	0.8	0