Mark R Frey

List of Publications by Year
in descending order

98 papers	2,678 citations	201674 27 h-index	189892 50 g-index
100 all docs	100 docs citations	100 times ranked	4158 citing authors

#	Article	IF	Citations
1	Altered gut microbial energy and metabolism in children with non-alcoholic fatty liver disease. FEMS Microbiology Ecology, 2015, 91, 1-9.	2.7	232
2	Protein Kinase C Isozyme-mediated Cell Cycle Arrest Involves Induction of p21 and p27 and Hypophosphorylation of the Retinoblastoma Protein in Intestinal Epithelial Cells. Journal of Biological Chemistry, 1997, 272, 9424-9435.	3.4	137
3	A mouse model of pathological small intestinal epithelial cell apoptosis and shedding induced by systemic administration of lipopolysaccharide. DMM Disease Models and Mechanisms, 2013, 6, 1388-99.	2.4	137
4	Epidermal Growth Factor-stimulated Intestinal Epithelial Cell Migration Requires Src Family Kinase-dependent p38 MAPK Signaling. Journal of Biological Chemistry, 2004, 279, 44513-44521.	3.4	110
5	Protein Kinase C Signaling Mediates a Program of Cell Cycle Withdrawal in the Intestinal Epithelium. Journal of Cell Biology, 2000, 151, 763-778.	5.2	109
6	p38 kinase regulates epidermal growth factor receptor downregulation and cellular migration. EMBO Journal, 2006, 25, 5683-5692.	7.8	108
7	STAT6 activation in ulcerative colitis: A new target for prevention of IL-13-induced colon epithelial cell dysfunction. Inflammatory Bowel Diseases, 2011, 17, 2224-2234.	1.9	107
8	<i>Helicobacter pylori</i>Regulates Cellular Migration and Apoptosis by Activation of Phosphatidylinositol 3-Kinase Signaling. Journal of Infectious Diseases, 2009, 199, 641-651.	4.0	104
9	Integrin <i>Î±</i> 1Î²1 Controls Reactive Oxygen Species Synthesis by Negatively Regulating Epidermal Growth Factor Receptor-Mediated Rac Activation. Molecular and Cellular Biology, 2007, 27, 3313-3326.	2.3	102
10	Cysteine-Rich Domains of Muc3 Intestinal Mucin Promote Cell Migration, Inhibit Apoptosis, and Accelerate Wound Healing. Gastroenterology, 2006, 131, 1501-1517.	1.3	94
11	Epidermal growth factor stimulates Rac activation through Src and phosphatidylinositol 3-kinase to promote colonic epithelial cell migration. American Journal of Physiology - Renal Physiology, 2008, 294, G276-G285.	3.4	94
12	ErbB4 signaling stimulates pro-inflammatory macrophage apoptosis and limits colonic inflammation. Cell Death and Disease, 2017, 8, e2622-e2622.	6.3	91
13	The ErbB4 Growth Factor Receptor Is Required for Colon Epithelial Cell Survival in the Presence of TNF. Gastroenterology, 2009, 136, 217-226.	1.3	82
14	ERBB4 is over-expressed in human colon cancer and enhances cellular transformation. Carcinogenesis, 2015, 36, 710-718.	2.8	81
15	Bile acids regulate intestinal cell proliferation by modulating EGFR and FXR signaling. American Journal of Physiology - Renal Physiology, 2016, 310, G81-G92.	3.4	79
16	Involvement of the ERK Signaling Cascade in Protein Kinase C-mediated Cell Cycle Arrest in Intestinal Epithelial Cells. Journal of Biological Chemistry, 2004, 279, 9233-9247.	3.4	73
17	Cellular Plasticity of Defa4-Expressing Paneth Cells in Response to Notch Activation and Intestinal Injury. Cellular and Molecular Gastroenterology and Hepatology, 2019, 7, 533-554.	4.5	69
18	Colonocyte differentiation is associated with increased expression and altered distribution of protein kinase C isozymes. Gastroenterology, 1998, 115, 75-85.	1.3	66

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19	The ErbB4 Ligand Neuregulin-4 Protects against Experimental Necrotizing Enterocolitis. American Journal of Pathology, 2014, 184, 2768-2778.	3.8	59
20	Discordant roles for FGF ligands in lung branching morphogenesis between human and mouse. Journal of Pathology, 2019, 247, 254-265.	4.5	55
21	A direct comparison of mouse and human intestinal development using epithelial gene expression patterns. Pediatric Research, 2020, 88, 66-76.	2.3	44
22	Neuregulin-4 Is a Survival Factor for Colon Epithelial Cells both in Culture and in Vivo. Journal of Biological Chemistry, 2012, 287, 39850-39858.	3.4	43
23	TNF transactivation of EGFR stimulates cytoprotective COX-2 expression in gastrointestinal epithelial cells. American Journal of Physiology - Renal Physiology, 2011, 301, G220-G229.	3.4	39
24	Ursodeoxycholic acid protects against intestinal barrier breakdown by promoting enterocyte migration via EGFR- and COX-2-dependent mechanisms. American Journal of Physiology - Renal Physiology, 2018, 315, G259-G271.	3.4	36
25	Fibroblast growth factor 10 alters the balance between goblet and Paneth cells in the adult mouse small intestine. American Journal of Physiology - Renal Physiology, 2015, 308, G678-G690.	3.4	35
26	Specific epidermal growth factor receptor autophosphorylation sites promote mouse colon epithelial cell chemotaxis and restitution. American Journal of Physiology - Renal Physiology, 2011, 301, G368-G376.	3.4	31
27	The ErbB3 receptor tyrosine kinase negatively regulates Paneth cells by PI3K-dependent suppression of Atoh1. Cell Death and Differentiation, 2017, 24, 855-865.	11.2	31
28	Epidermal growth factor suppresses intestinal epithelial cell shedding via a MAPK dependent pathway.. Journal of Cell Science, 2017, 130, 90-96.	2.0	30
29	Sprouty2 limits intestinal tuft and goblet cell numbers through GSK3Î²-mediated restriction of epithelial IL-33. Nature Communications, 2021, 12, 836.	12.8	30
30	FGF9â€“Pitx2â€“FGF10 signaling controls cecal formation in mice. Developmental Biology, 2012, 369, 340-348.	2.0	29
31	Intrauterine Growth Restriction Alters Mouse Intestinal Architecture during Development. PLoS ONE, 2016, 11, e0146542.	2.5	28
32	ErbB receptors and their growth factor ligands in pediatric intestinal inflammation. Pediatric Research, 2014, 75, 127-132.	2.3	27
33	Stimulation of protein kinase C-dependent and -independent signaling pathways by bistratene A in intestinal epithelial cells. Biochemical Pharmacology, 2001, 61, 1093-1100.	4.4	25
34	TNF-Î± converting enzyme-mediated ErbB4 transactivation by TNF promotes colonic epithelial cell survival. American Journal of Physiology - Renal Physiology, 2011, 301, G338-G346.	3.4	25
35	ErbB4 promotes cyclooxygenase-2 expression and cell survival in colon epithelial cells. Laboratory Investigation, 2010, 90, 1415-1424.	3.7	24
36	Trefoil factor 2 activation of CXCR4 requires calcium mobilization to drive epithelial repair in gastric organoids. Journal of Physiology, 2019, 597, 2673-2690.	2.9	23

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37	Tumor necrosis factor inhibits ligand-stimulated EGF receptor activation through a TNF receptor 1-dependent mechanism. American Journal of Physiology - Renal Physiology, 2008, 295, G285-G293.	3.4	22
38	Prolonged Absence of Mechanoluminal Stimulation in Human Intestine Alters the Transcriptome and Intestinal Stem Cell Niche. Cellular and Molecular Gastroenterology and Hepatology, 2017, 3, 367-388.e1.	4.5	22
39	Increased alveolar soluble annexin V promotes lung inflammation and fibrosis. European Respiratory Journal, 2015, 46, 1417-1429.	6.7	15
40	Shortâ€term and longâ€term human or mouse organoid units generate tissueâ€engineered small intestine without added signalling molecules. Experimental Physiology, 2018, 103, 1633-1644.	2.0	14
41	Sprouty keeps bowel kinases regular in colon cancer, while miR-21 targets Sprouty. Cancer Biology and Therapy, 2011, 11, 122-124.	3.4	13
42	Celiac Disease. Gastroenterology, 2018, 154, 2005-2008.	1.3	13
43	An American Physiological Society cross-journal Call for Papers on â€œInter-Organ Communication in Homeostasis and Diseaseâ€. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L42-L49.	2.9	13
44	NRG4-ErbB4 signaling represses proinflammatory macrophage activity. American Journal of Physiology - Renal Physiology, 2021, 320, G990-G1001.	3.4	11
45	Cell cycle- and protein kinase C-specific effects of resiniferatoxin and resiniferonol 9,13,14-ortho-phenylacetate in intestinal epithelial cells. Biochemical Pharmacology, 2004, 67, 1873-1886.	4.4	10
46	Tumor Necrosis Factor Induces Developmental Stage-Dependent Structural Changes in the Immature Small Intestine. Mediators of Inflammation, 2014, 2014, 1-11.	3.0	9
47	The Role of FGF19 and MALRD1 in Enterohepatic Bile Acid Signaling. Frontiers in Endocrinology, 2021, 12, 799648.	3.5	9
48	Growth Factors in the Intestinal Tract. , 2018, , 71-101.		6
49	SERCA directs cell migration and branching across species and germ layers. Biology Open, 2017, 6, 1458-1471.	1.2	5
50	Loss of miR-24-3p promotes epithelial cell apoptosis and impairs the recovery from intestinal inflammation. Cell Death and Disease, 2022, 13, 8.	6.3	5
51	Mucosal Restitution and Repair. , 2012, , 1147-1168.		4
52	Success of Distance Learning During 2020 COVID-19 Restrictions: A Report from Five STEM Training Programs for Underrepresented High School and Undergraduate Learners. Journal of STEM Outreach, 2021, 4, .	0.5	4
53	Secondary bile acids as a mechanism of intestinal injury. Journal of the American College of Surgeons, 2013, 217, S13.	0.5	2
54	ErbB3 Promotes Intestinal Barrier Function and Expression of the Tight Junctional Protein Pmp22. FASEB Journal, 2022, 36, .	0.5	2

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55	Disease-Associated Microbial Communities in Healthy Relatives: A Bacteria-Filled Crystal Ball?. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 710-711.	4.5	1
56	Regenerating Reputations: Are Wnt and Myc the Good Guys After All?. Digestive Diseases and Sciences, 2016, 61, 327-329.	2.3	1
57	A Little Disorder Can Be Healthy: PRAP1 as a Protective Factor in the Intestine. Cellular and Molecular Gastroenterology and Hepatology, 2020, 10, 855-856.	4.5	1
58	The Intestinal Stem Cell Niche and Its Regulation by ErbB Growth Factor Receptors. , 2015, , 273-294.		1
59	The Neuregulin Receptors ErbB3 and ErbB4 Have Opposing Effects on Intestinal Paneth Cells. FASEB Journal, 2015, 29, 852.1.	0.5	1
60	Macrophageâ€Specific ErbB4 is Induced by DSS Colitis and Regulates Macrophage Survival. FASEB Journal, 2015, 29, 854.2.	0.5	1
61	Loss of Adhesion Gâ€Proteinâ€Coupled Receptor L2 Expression Impacts Colonic Epithelial Proliferation. FASEB Journal, 2022, 36, .	0.5	1
62	Regulation of Cell Growth and Differentiation in the Intestinal Epithelium. Inflammatory Bowel Diseases, 1997, 3, 144-145.	1.9	0
63	IL-13 Induces Colon Epithelial Cell Apoptosis and Barrier Dysfunction in a STAT6-Dependent Manner. Gastroenterology, 2011, 140, S-168.	1.3	0
64	ErbB4 Promotes Colon Epithelial Cell Survival Signals and Tumorigenicity. Gastroenterology, 2011, 140, S-168.	1.3	0
65	Bile Acids Differentially Control Intestinal Cell Proliferation via Src Kinase. Journal of the American College of Surgeons, 2014, 219, S17.	0.5	0
66	Secondary Bile Acids Contribute to Intestinal Epithelial Cell Injury via Inhibition of Cell Migration. Journal of the American College of Surgeons, 2014, 219, S74.	0.5	0
67	Mechanisms of Bile Acid-Induced Intestinal Epithelial Cell Death. Journal of the American College of Surgeons, 2014, 219, S14-S15.	0.5	0
68	138 ErbB4 Activation Protects Paneth Cells and Ameliorates Experimental Necrotizing Enterocolitis. Gastroenterology, 2014, 146, S-38.	1.3	0
69	127 Loss of Colonic Sprouty-2 Enhances MUC2 and Lgr5 Expression and Protects From DSS-Induced Colitis. Gastroenterology, 2016, 150, S30.	1.3	0
70	1089 Neuregulin-4 Stimulates Pro-Inflammatory Macrophage Apoptosis Through ADAM17 Dependent Cleavage of ErbB4 to Ameliorate Colitis. Gastroenterology, 2016, 150, S217.	1.3	0
71	P-151â€ƒNeuregulin-4 Induced ErbB4 Signaling in Macrophages Is Protective in DSS Colitis. Inflammatory Bowel Diseases, 2016, 22, S56.	1.9	0
72	Bacterial Encroachment in Metabolic Syndrome: TooÂMuchÂTogetherness?. Cellular and Molecular Gastroenterology and Hepatology, 2017, 4, 324-325.	4.5	0

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73	The ERBB3 Receptor Tyrosine Kinase Restricts Intestinal Paneth Cell Numbers Through PI 3-Kinase Signaling. Gastroenterology, 2017, 152, S12-S13.	1.3	0
74	Farnesoid-X Receptor Inactivation Can Protect the Intestinal Epithelial Barrier by Decreasing Cytokine Expression in Macrophages. Journal of the American College of Surgeons, 2018, 227, S100-S101.	0.5	0
75	Colon Cancers Get a Negative (Selection) Attitude. Cellular and Molecular Gastroenterology and Hepatology, 2018, 6, 349.	4.5	0
76	Mucosal Restitution and Repair. , 2018, , 683-708.		0
77	P070 MACROPHAGE-EXPRESSED ERBB4 PLAYS A PROTECTIVE ROLE IN THE ONSET AND RESOLUTION OF EXPERIMENTAL COLITIS. Gastroenterology, 2018, 154, S37.	1.3	0
78	Farnesoid-X Receptor Inhibition in Macrophages Decreases Intestinal Epithelial Chemokine Expression. Journal of the American College of Surgeons, 2019, 229, S203.	0.5	0
79	Intracellular Control of Î²-Catenin and Intestinal Cell Fate by SIRT2. Cellular and Molecular Gastroenterology and Hepatology, 2020, 10, 193-194.	4.5	0
80	Stem and progenitor cells of the gastrointestinal tract: applications for tissue engineering the intestine. , 2020, , 709-721.		0
81	P148 COLONIC SPROUTY2 IS ELEVATED IN INFLAMMATORY BOWEL DISEASE PATIENTS. Inflammatory Bowel Diseases, 2020, 26, S28-S29.	1.9	0
82	SPROUTY2 INHIBITS EXPRESSION OF THE HOST DEFENSE PEPTIDE RELMÎ² IN THE COLONIC EPITHELIUM. Inflammatory Bowel Diseases, 2021, 27, S28-S28.	1.9	0
83	ErbB4 regulates interferon signaling in classically activated macrophages. FASEB Journal, 2021, 35, .	0.5	0
84	Scoping out the future: <i>American Journal of Physiology-Gastrointestinal and Liver Physiology</i>. American Journal of Physiology - Renal Physiology, 2021, 321, G52-G54.	3.4	0
85	Mucosal Repair and Restitution. , 2006, , 459-475.		0
86	Abstract 4328: Specific epidermal growth factor receptor autophosphorylation sites promote epithelial cell chemotaxis and restitution. , 2012, , .		0
87	The ErbB4 receptor tyrosine kinase protects colonocytes from apoptosis in vitro and in vivo. FASEB Journal, 2012, 26, 1159.1.	0.5	0
88	Fibroblast Growth Factor 10 induces goblet cell hyperplasia independently from Notch signaling. FASEB Journal, 2013, 27, 946.3.	0.5	0
89	EGF suppresses intestinal epithelial cell shedding both in vitro and in vivo via a MEK/ERK dependent pathway. FASEB Journal, 2013, 27, 944.5.	0.5	0
90	ErbB4 deletion compromises the murine small intestinal stem cell niche and sensitizes the epithelium to TNFâ€induced apoptosis (1119.6). FASEB Journal, 2014, 28, 1119.6.	0.5	0

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91	Loss of Sprouty2 enhances ILâ€33 expression and protects against experimental colitis.. FASEB Journal, 2018, 32, 873.14.	0.5	0
92	Sprouty2 restricts colonic tuft and goblet cell numbers by repressing epithelial ILâ€33 expression. FASEB Journal, 2019, 33, 869.11.	0.5	0
93	The Loss of Endogenous Neuregulinâ€4 Increases Intestinal Epithelial Permeability and Apoptosis. FASEB Journal, 2019, 33, 869.24.	0.5	0
94	The ErbB3 receptor tyrosine kinase regulates expression of Notch target genes and intestinal stem cell markers.. FASEB Journal, 2020, 34, 1-1.	0.5	0
95	Neuregulinâ€4 Limits Proâ€Inflammatory Cytokine Production in Macrophages. FASEB Journal, 2020, 34, 1-1.	0.5	0
96	Adhesion Gâ€Proteinâ€Coupled Receptor L2 Expression is Lost in Colorectal Cancer but is Also Associated with Colonic Stem Cells. FASEB Journal, 2020, 34, 1-1.	0.5	0
97	The loss of endogenous Neuregulinâ€4 impairs intestinal epithelial recovery from LPSâ€induced injury.. FASEB Journal, 2020, 34, 1-1.	0.5	0
98	The ErbB3 Receptor Restricts <i>Bmi1</i> to Regulate Paneth Cells. FASEB Journal, 2022, 36, .	0.5	0