

# Marshall H Montrose

## List of Publications by Year in descending order

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42  
papers

1,844  
citations

331670

21  
h-index

414414

32  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2745  
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishment of Gastrointestinal Epithelial Organoids. <i>Current Protocols in Mouse Biology</i> , 2013, 3, 217-240.	1.2	253
2	The Epithelial Barrier Is Maintained by In Vivo Tight Junction Expansion During Pathologic Intestinal Epithelial Shedding. <i>Gastroenterology</i> , 2011, 140, 1208-1218.e2.	1.3	234
3	Wnt/ $\beta$ -catenin promotes gastric fundus specification in mice and humans. <i>Nature</i> , 2017, 541, 182-187.	27.8	176
4	Trefoil Factor Peptides and Gastrointestinal Function. <i>Annual Review of Physiology</i> , 2017, 79, 357-380.	13.1	130
5	<i>Helicobacter pylori</i> targets cancer-associated apical-junctional constituents in gastroids and gastric epithelial cells. <i>Gut</i> , 2015, 64, 720-730.	12.1	127
6	The use of murine-derived fundic organoids in studies of gastric physiology. <i>Journal of Physiology</i> , 2015, 593, 1809-1827.	2.9	98
7	Intercellular Coupling of the Cell Cycle and Circadian Clock in Adult Stem Cell Culture. <i>Molecular Cell</i> , 2016, 64, 900-912.	9.7	93
8	The Development of Spasmolytic Polypeptide/TFF2-Expressing Metaplasia (SPEM) During Gastric Repair Is Absent in the Aged Stomach. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 605-624.	4.5	79
9	Motility and Chemotaxis Mediate the Preferential Colonization of Gastric Injury Sites by <i>Helicobacter pylori</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004275.	4.7	67
10	<i>Helicobacter pylori</i> -induced Sonic Hedgehog Expression is Regulated by NF $\kappa$ B Pathway Activation: The Use of a Novel In Vitro Model to Study Epithelial Response to Infection. <i>Helicobacter</i> , 2015, 20, 19-28.	3.5	56
11	Characterization of stem/progenitor cell cycle using murine circumvallate papilla taste bud organoid. <i>Scientific Reports</i> , 2015, 5, 17185.	3.3	54
12	Trefoil Factor 2 Requires Na/H Exchanger 2 Activity to Enhance Mouse Gastric Epithelial Repair. <i>Journal of Biological Chemistry</i> , 2011, 286, 38375-38382.	3.4	47
13	Epithelial Regeneration After Gastric Ulceration Causes Prolonged Cell-Type Alterations. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 625-647.	4.5	41
14	Indian Hedgehog Mediates Gastrin-Induced Proliferation in Stomach of Adult Mice. <i>Gastroenterology</i> , 2014, 147, 655-666.e9.	1.3	39
15	Robust circadian rhythms in organoid cultures from PERIOD2::LUCIFERASE mouse small intestine. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 1123-30.	2.4	38
16	Disruption of the Cox-1 gene slows repair of microscopic lesions in the mouse gastric epithelium. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C223-C232.	4.6	35
17	In vivo action of trefoil factor 2 (TFF2) to speed gastric repair is independent of cyclooxygenase. <i>Gut</i> , 2010, 59, 1184-1191.	12.1	33
18	Damage to the gastric epithelium activates cellular bicarbonate secretion via SLC26A9 Cl <sup>-</sup> /HCO <sub>3</sub> <sup>-</sup> exchange. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, G255-G264.	3.4	32

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19	In Vivo Epithelial Wound Repair Requires Mobilization of Endogenous Intracellular and Extracellular Calcium. <i>Journal of Biological Chemistry</i> , 2013, 288, 33585-33597.	3.4	31
20	Enteroendocrine cells couple nutrient sensing to nutrient absorption by regulating ion transport. <i>Nature Communications</i> , 2020, 11, 4791.	12.8	27
21	Trefoil factor 2 activation of CXCR4 requires calcium mobilization to drive epithelial repair in gastric organoids. <i>Journal of Physiology</i> , 2019, 597, 2673-2690.	2.9	23
22	<i>Helicobacter pylori</i> Uses the TlpB Receptor To Sense Sites of Gastric Injury. <i>Infection and Immunity</i> , 2019, 87, .	2.2	22
23	Cell injury triggers actin polymerization initiating epithelial restitution. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	20
24	Organoids as a Model to Study Infectious Disease. <i>Methods in Molecular Biology</i> , 2018, 1734, 71-81.	0.9	18
25	Acute murine colitis reduces colonic 5-aminosalicylic acid metabolism by regulation of <i>N-acetyltransferase-2</i> . <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, G1002-G1010.	3.4	14
26	Importance of Ca <sup>2+</sup> in gastric epithelial restitution—new views revealed by real-time in vivo measurements. <i>Current Opinion in Pharmacology</i> , 2014, 19, 76-83.	3.5	14
27	Deficient Active Transport Activity in Healing Mucosa After Mild Gastric Epithelial Damage. <i>Digestive Diseases and Sciences</i> , 2020, 65, 119-131.	2.3	14
28	Inhibitors of acid secretion can benefit gastric wound repair independent of luminal pH effects on the site of damage. <i>Gut</i> , 2012, 61, 804-811.	12.1	13
29	Multiple calcium sources are required for intracellular calcium mobilization during gastric organoid epithelial repair. <i>Physiological Reports</i> , 2020, 8, e14384.	1.7	9
30	Extracting Insights From Temporal Data by Integrating Dynamic Modeling and Machine Learning. <i>Frontiers in Physiology</i> , 2020, 11, 1012.	2.8	5
31	CFTR and pHi regulation. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, G1183-G1183.	3.4	1
32	Real time analysis of TNF-induced occludin internalization within jejunal epithelia of living mice. <i>FASEB Journal</i> , 2007, 21, A585.	0.5	1
33	Real-time in vivo imaging of ischemia-reperfusion damage in mouse small intestine. <i>FASEB Journal</i> , 2007, 21, A1319.	0.5	0
34	Raising pH in the stomach lumen does not limit damage progression at the gastric epithelial surface following microscopic lesions. <i>FASEB Journal</i> , 2007, 21, A1318.	0.5	0
35	Caveolar endocytosis is essential for tumor necrosis factor (TNF) -induced occludin internalization in vivo. <i>FASEB Journal</i> , 2008, 22, 938.5.	0.5	0
36	Acidification of damaged cells is a consequence of damage to the gastric epithelium, and may contribute to surface pH increases after damage. <i>FASEB Journal</i> , 2009, 23, 980.1.	0.5	0

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37	Localized mobilization of intracellular calcium promotes epithelial repair in vivo. FASEB Journal, 2012, 26, 1107.8.	0.5	0
38	Indian Hedgehog mediates gastrin-induced proliferation in the adult stomach. FASEB Journal, 2013, 27, 946.2.	0.5	0
39	Epithelial regeneration after gastric ulceration causes prolonged weakened defenses and altered cell types. FASEB Journal, 2015, 29, 998.6.	0.5	0
40	Effect of EGFR on Calcium Mobilization and Epithelial Repair in Gastric Organoids. FASEB Journal, 2018, 32, 612.3.	0.5	0
41	Effect of Helicobacter pylori chemotaxis on gastric epithelial repair. FASEB Journal, 2019, 33, 869.19.	0.5	0
42	During Ca <sup>2+</sup> -dependent gastric epithelial repair, Ca <sup>2+</sup> is sourced from both Ca <sup>2+</sup> uptake and intracellular Ca <sup>2+</sup> release. FASEB Journal, 2019, 33, 869.18.	0.5	0