

Thaddeus S Stappenbeck

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5278488/publications.pdf>

Version: 2024-02-01

131
papers

21,542
citations

25423

59
h-index

20023

121
g-index

137
all docs

137
docs citations

137
times ranked

32491
citing authors

#	ARTICLE	IF	CITATIONS
1	A Dietary Fiber-Deprived Gut Microbiota Degrades the Colonic Mucus Barrier and Enhances Pathogen Susceptibility. <i>Cell</i> , 2016, 167, 1339-1353.e21.	13.5	1,882
2	Multi-omics of the gut microbial ecosystem in inflammatory bowel diseases. <i>Nature</i> , 2019, 569, 655-662.	13.7	1,638
3	A key role for autophagy and the autophagy gene Atg16l1 in mouse and human intestinal Paneth cells. <i>Nature</i> , 2008, 456, 259-263.	13.7	1,341
4	Disease-Specific Alterations in the Enteric Virome in Inflammatory Bowel Disease. <i>Cell</i> , 2015, 160, 447-460.	13.5	1,036
5	Nonlinear partial differential equations and applications: Developmental regulation of intestinal angiogenesis by indigenous microbes via Paneth cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15451-15455.	3.3	922
6	Peripheral education of the immune system by colonic commensal microbiota. <i>Nature</i> , 2011, 478, 250-254.	13.7	920
7	Angiogenins: a new class of microbicidal proteins involved in innate immunity. <i>Nature Immunology</i> , 2003, 4, 269-273.	7.0	836
8	Virus-Plus-Susceptibility Gene Interaction Determines Crohn's Disease Gene Atg16L1 Phenotypes in Intestine. <i>Cell</i> , 2010, 141, 1135-1145.	13.5	809
9	In vitro expansion and genetic modification of gastrointestinal stem cells in spheroid culture. <i>Nature Protocols</i> , 2013, 8, 2471-2482.	5.5	593
10	Activated macrophages are an adaptive element of the colonic epithelial progenitor niche necessary for regenerative responses to injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 99-104.	3.3	541
11	Gremlin 1 Identifies a Skeletal Stem Cell with Bone, Cartilage, and Reticular Stromal Potential. <i>Cell</i> , 2015, 160, 269-284.	13.5	535
12	The Colonic Crypt Protects Stem Cells from Microbiota-Derived Metabolites. <i>Cell</i> , 2016, 165, 1708-1720.	13.5	484
13	Development of an enhanced human gastrointestinal epithelial culture system to facilitate patient-based assays. <i>Gut</i> , 2015, 64, 911-920.	6.1	410
14	Commensal Bacteroides Species Induce Colitis in Host-Genotype-Specific Fashion in a Mouse Model of Inflammatory Bowel Disease. <i>Cell Host and Microbe</i> , 2011, 9, 390-403.	5.1	409
15	Wnt5a Potentiates TGF- β 2 Signaling to Promote Colonic Crypt Regeneration After Tissue Injury. <i>Science</i> , 2012, 338, 108-113.	6.0	402
16	The microbial metabolite desaminotyrosine protects from influenza through type I interferon. <i>Science</i> , 2017, 357, 498-502.	6.0	391
17	The Role of Stromal Stem Cells in Tissue Regeneration and Wound Repair. <i>Science</i> , 2009, 324, 1666-1669.	6.0	304
18	Atg16L1 T300A variant decreases selective autophagy resulting in altered cytokine signaling and decreased antibacterial defense. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7741-7746.	3.3	298

#	ARTICLE	IF	CITATIONS
19	Functional characterization of IgA-targeted bacterial taxa from undernourished Malawian children that produce diet-dependent enteropathy. <i>Science Translational Medicine</i> , 2015, 7, 276ra24.	5.8	280
20	Efficient colonic mucosal wound repair requires Trem2 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 256-261.	3.3	248
21	Spatial organization of intestinal microbiota in the mouse ascending colon. <i>ISME Journal</i> , 2011, 5, 627-638.	4.4	228
22	Myd88-dependent positioning of Ptgs2-expressing stromal cells maintains colonic epithelial proliferation during injury. <i>Journal of Clinical Investigation</i> , 2007, 117, 258-269.	3.9	227
23	Vertically transmitted faecal IgA levels determine extra-chromosomal phenotypic variation. <i>Nature</i> , 2015, 521, 90-93.	13.7	221
24	Autophagy proteins control goblet cell function by potentiating reactive oxygen species production. <i>EMBO Journal</i> , 2013, 32, 3130-3144.	3.5	216
25	Atg16l1 is Required for Autophagy in Intestinal Epithelial Cells and Protection of Mice From Salmonella Infection. <i>Gastroenterology</i> , 2013, 145, 1347-1357.	0.6	211
26	Accounting for reciprocal host-microbiome interactions in experimental science. <i>Nature</i> , 2016, 534, 191-199.	13.7	205
27	A common role for Atg16L1, Atg5, and Atg7 in small intestinal Paneth cells and Crohn disease. <i>Autophagy</i> , 2009, 5, 250-252.	4.3	202
28	IL-6 Stimulates Intestinal Epithelial Proliferation and Repair after Injury. <i>PLoS ONE</i> , 2014, 9, e114195.	1.1	201
29	Genetics and Pathogenesis of Inflammatory Bowel Disease. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2016, 11, 127-148.	9.6	201
30	Unique and redundant functions of NKp46+ ILC3s in models of intestinal inflammation. <i>Journal of Experimental Medicine</i> , 2015, 212, 1869-1882.	4.2	181
31	Colitogenic Bacteroides thetaiotaomicron Antigens Access Host Immune Cells in a Sulfatase-Dependent Manner via Outer Membrane Vesicles. <i>Cell Host and Microbe</i> , 2015, 17, 672-680.	5.1	179
32	Prostaglandin E2 promotes intestinal repair through an adaptive cellular response of the epithelium. <i>EMBO Journal</i> , 2017, 36, 5-24.	3.5	179
33	Genetic Variants Synthesize to Produce Paneth Cell Phenotypes That Define Subtypes of Crohn's Disease. <i>Gastroenterology</i> , 2014, 146, 200-209.	0.6	155
34	Runx3 specifies lineage commitment of innate lymphoid cells. <i>Nature Immunology</i> , 2015, 16, 1124-1133.	7.0	154
35	Diversity of the autochthonous colonic microbiota. <i>Gut Microbes</i> , 2011, 2, 99-104.	4.3	149
36	Long-Term Culture Captures Injury-Repair Cycles of Colonic Stem Cells. <i>Cell</i> , 2019, 179, 1144-1159.e15.	13.5	140

#	ARTICLE	IF	CITATIONS
37	Notes from some crypt watchers: regulation of renewal in the mouse intestinal epithelium. <i>Current Opinion in Cell Biology</i> , 1998, 10, 702-709.	2.6	139
38	A network medicine approach to investigation and population-based validation of disease manifestations and drug repurposing for COVID-19. <i>PLoS Biology</i> , 2020, 18, e3000970.	2.6	139
39	Host-microbe interactions shaping the gastrointestinal environment. <i>Trends in Immunology</i> , 2014, 35, 538-548.	2.9	138
40	Molecular features of adult mouse small intestinal epithelial progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1004-1009.	3.3	135
41	IL13 activates autophagy to regulate secretion in airway epithelial cells. <i>Autophagy</i> , 2016, 12, 397-409.	4.3	130
42	<i>DeBaryomyces</i> is enriched in Crohn's disease intestinal tissue and impairs healing in mice. <i>Science</i> , 2021, 371, 1154-1159.	6.0	126
43	A Stem-Cell-Derived Platform Enables Complete <i>Cryptosporidium</i> Development In Vitro and Genetic Tractability. <i>Cell Host and Microbe</i> , 2019, 26, 123-134.e8.	5.1	116
44	An Antibiotic-Responsive Mouse Model of Fulminant Ulcerative Colitis. <i>PLoS Medicine</i> , 2008, 5, e41.	3.9	109
45	<i>Helicobacter</i> species are potent drivers of colonic T cell responses in homeostasis and inflammation. <i>Science Immunology</i> , 2017, 2, .	5.6	100
46	The Intestinal Microbiome Restricts Alphavirus Infection and Dissemination through a Bile Acid-Type I IFN Signaling Axis. <i>Cell</i> , 2020, 182, 901-918.e18.	13.5	98
47	Crohn disease: A current perspective on genetics, autophagy and immunity. <i>Autophagy</i> , 2011, 7, 355-374.	4.3	94
48	Survival signal REG3 β prevents crypt apoptosis to control acute gastrointestinal graft-versus-host disease. <i>Journal of Clinical Investigation</i> , 2018, 128, 4970-4979.	3.9	94
49	Inhibition of Cyclooxygenase-2 Prevents Chronic and Recurrent Cystitis. <i>EBioMedicine</i> , 2014, 1, 46-57.	2.7	92
50	Paneth cell defects in Crohn's disease patients promote dysbiosis. <i>JCI Insight</i> , 2016, 1, e86907.	2.3	91
51	Peripheral education of the immune system by the colonic microbiota. <i>Seminars in Immunology</i> , 2013, 25, 364-369.	2.7	82
52	Fasting protects mice from lethal DNA damage by promoting small intestinal epithelial stem cell survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E7148-54.	3.3	82
53	Type I Interferons Link Viral Infection to Enhanced Epithelial Turnover and Repair. <i>Cell Host and Microbe</i> , 2015, 17, 85-97.	5.1	78
54	Abnormal Small Intestinal Epithelial Microvilli in Patients With Crohn's Disease. <i>Gastroenterology</i> , 2018, 155, 815-828.	0.6	75

#	ARTICLE	IF	CITATIONS
55	Response of small intestinal epithelial cells to acute disruption of cell division through CDC25 deletion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4701-4706.	3.3	72
56	L-WRN conditioned medium for gastrointestinal epithelial stem cell culture shows replicable batch-to-batch activity levels across multiple research teams. <i>Stem Cell Research</i> , 2019, 37, 101430.	0.3	70
57	Diet modulates colonic T cell responses by regulating the expression of a <i>Bacteroides thetaiotaomicron</i> antigen. <i>Science Immunology</i> , 2019, 4, .	5.6	70
58	Autophagy and Intestinal Homeostasis. <i>Annual Review of Physiology</i> , 2013, 75, 241-262.	5.6	69
59	Western diet induces Paneth cell defects through microbiome alterations and farnesoid X receptor and type I interferon activation. <i>Cell Host and Microbe</i> , 2021, 29, 988-1001.e6.	5.1	69
60	Igf2bp1 Is Required for Full Induction of Ptgs2 mRNA in Colonic Mesenchymal Stem Cells in Mice. <i>Gastroenterology</i> , 2012, 143, 110-121.e10.	0.6	66
61	Laminin $\hat{\pm}5$ influences the architecture of the mouse small intestine mucosa. <i>Journal of Cell Science</i> , 2008, 121, 2493-2502.	1.2	64
62	Host genetic susceptibility, dysbiosis, and viral triggers in inflammatory bowel disease. <i>Current Opinion in Gastroenterology</i> , 2011, 27, 321-327.	1.0	64
63	Bhlhe40 mediates tissue-specific control of macrophage proliferation in homeostasis and type 2 immunity. <i>Nature Immunology</i> , 2019, 20, 687-700.	7.0	62
64	Dnmt1 is essential to maintain progenitors in the perinatal intestinal epithelium. <i>Development (Cambridge)</i> , 2015, 142, 2163-2172.	1.2	60
65	[15] Laser capture microdissection of mouse intestine: Characterizing mrna and protein expression, and profiling intermediary metabolism in specified cell populations. <i>Methods in Enzymology</i> , 2002, 356, 167-196.	0.4	55
66	Mucosally transplanted mesenchymal stem cells stimulate intestinal healing by promoting angiogenesis. <i>Journal of Clinical Investigation</i> , 2015, 125, 3606-3618.	3.9	55
67	Effects of a gut pathobiont in a gnotobiotic mouse model of childhood undernutrition. <i>Science Translational Medicine</i> , 2016, 8, 366ra164.	5.8	54
68	Intestinal Dysmotility Syndromes following Systemic Infection by Flaviviruses. <i>Cell</i> , 2018, 175, 1198-1212.e12.	13.5	53
69	Interaction between smoking and ATG16L1T300A triggers Paneth cell defects in Crohn's disease. <i>Journal of Clinical Investigation</i> , 2018, 128, 5110-5122.	3.9	53
70	Viral interactions with the host and microbiota in the intestine. <i>Current Opinion in Immunology</i> , 2012, 24, 405-410.	2.4	48
71	Enteric helminth coinfection enhances host susceptibility to neurotropic flaviviruses via a tuft cell-IL-4 receptor signaling axis. <i>Cell</i> , 2021, 184, 1214-1231.e16.	13.5	48
72	B cell-derived IL-4 acts on podocytes to induce proteinuria and foot process effacement. <i>JCI Insight</i> , 2017, 2, .	2.3	48

#	ARTICLE	IF	CITATIONS
73	Paneth Cell Development, Differentiation, and Function: New Molecular Cues. <i>Gastroenterology</i> , 2009, 137, 30-33.	0.6	47
74	Colonic epithelial response to injury requires Myd88 signaling in myeloid cells. <i>Mucosal Immunology</i> , 2012, 5, 194-206.	2.7	46
75	Temporal Regulation of the Bacterial Metabolite Deoxycholate during Colonic Repair Is Critical for Crypt Regeneration. <i>Cell Host and Microbe</i> , 2018, 24, 353-363.e5.	5.1	46
76	LRRK2 but not ATG16L1 is associated with Paneth cell defect in Japanese Crohn's disease patients. <i>JCI Insight</i> , 2017, 2, e91917.	2.3	46
77	Altered Intestinal ACE2 Levels Are Associated With Inflammation, Severe Disease, and Response to Anti-Cytokine Therapy in Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2021, 160, 809-822.e7.	0.6	45
78	Challenges in IBD Research: Preclinical Human IBD Mechanisms. <i>Inflammatory Bowel Diseases</i> , 2019, 25, S5-S12.	0.9	44
79	PAI-1 augments mucosal damage in colitis. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	44
80	A screen of Crohn's disease-associated microbial metabolites identifies ascorbate as a novel metabolic inhibitor of activated human T cells. <i>Mucosal Immunology</i> , 2019, 12, 457-467.	2.7	44
81	Role of Autophagy and Autophagy Genes in Inflammatory Bowel Disease. <i>Current Topics in Microbiology and Immunology</i> , 2009, 335, 141-167.	0.7	43
82	Paneth Cell Alterations in the Development and Phenotype of Crohn's Disease. <i>Gastroenterology</i> , 2017, 152, 322-326.	0.6	43
83	Organoids in gastrointestinal diseases: from experimental models to clinical translation. <i>Gut</i> , 2022, 71, 1892-1908.	6.1	40
84	Novel Mode of ISG15-Mediated Protection against Influenza A Virus and Sendai Virus in Mice. <i>Journal of Virology</i> , 2015, 89, 337-349.	1.5	35
85	Current concepts in chronic inflammatory diseases: Interactions between microbes, cellular metabolism, and inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 47-56.	1.5	35
86	Microbiome control of innate reactivity. <i>Current Opinion in Immunology</i> , 2019, 56, 107-113.	2.4	35
87	Hepatocyte Growth Factor and MET Support Mouse Enteric Nervous System Development, the Peristaltic Response, and Intestinal Epithelial Proliferation in Response to Injury. <i>Journal of Neuroscience</i> , 2015, 35, 11543-11558.	1.7	34
88	Growth Factor Regulation of Prostaglandin-Endoperoxide Synthase 2 (Ptgs2) Expression in Colonic Mesenchymal Stem Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 5026-5039.	1.6	33
89	A Novel Strategy to Increase the Proliferative Potential of Adult Human β^2 -Cells While Maintaining Their Differentiated Phenotype. <i>PLoS ONE</i> , 2013, 8, e66131.	1.1	32
90	Monoclonal Antibodies to Intracellular Stages of <i>Cryptosporidium parvum</i> Define Life Cycle Progression <i>In Vitro</i> . <i>MSphere</i> , 2018, 3, .	1.3	31

#	ARTICLE	IF	CITATIONS
91	Patient-derived small intestinal myofibroblasts direct perfused, physiologically responsive capillary development in a microfluidic Gut-on-a-Chip Model. <i>Scientific Reports</i> , 2020, 10, 3842.	1.6	29
92	Diverse Adult Stem Cells Share Specific Higher-Order Patterns of Gene Expression. <i>Stem Cells</i> , 2008, 26, 2124-2130.	1.4	26
93	Polysaccharide Capsules Equip the Human Symbiont <i>Bacteroides thetaiotaomicron</i> to Modulate Immune Responses to a Dominant Antigen in the Intestine. <i>Journal of Immunology</i> , 2020, 204, 1035-1046.	0.4	26
94	Adaptive differentiation promotes intestinal villus recovery. <i>Developmental Cell</i> , 2022, 57, 166-179.e6.	3.1	25
95	Vav proteins are necessary for correct differentiation of mouse cecal and colonic enterocytes. <i>Journal of Cell Science</i> , 2009, 122, 324-334.	1.2	23
96	Spatial and Temporal Stability of Paneth Cell Phenotypes in Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 646-651.	0.9	23
97	BHLHE40 Promotes TH2 Cell-Mediated Antihelminth Immunity and Reveals Cooperative CSF2RB Family Cytokines. <i>Journal of Immunology</i> , 2020, 204, 923-932.	0.4	21
98	Local barriers configure systemic communications between the host and microbiota. <i>Science</i> , 2022, 376, 950-955.	6.0	20
99	A Common Mechanism Links Activities of Butyrate in the Colon. <i>ACS Chemical Biology</i> , 2018, 13, 1291-1298.	1.6	19
100	<i>Atg14</i> protects the intestinal epithelium from TNF-triggered villus atrophy. <i>Autophagy</i> , 2019, 15, 1990-2001.	4.3	19
101	Neonatal Mouse Gut Metabolites Influence <i>Cryptosporidium parvum</i> Infection in Intestinal Epithelial Cells. <i>MBio</i> , 2020, 11, .	1.8	19
102	Role of viruses and bacteria-virus interactions in autoimmunity. <i>Current Opinion in Immunology</i> , 2014, 31, 102-107.	2.4	17
103	Ileal Gene Expression Data from Crohn's Disease Small Bowel Resections Indicate Distinct Clinical Subgroups. <i>Journal of Crohn's and Colitis</i> , 2019, 13, 1055-1066.	0.6	14
104	In Vitro Culture of <i>Cryptosporidium parvum</i> Using Stem Cell-Derived Intestinal Epithelial Monolayers. <i>Methods in Molecular Biology</i> , 2020, 2052, 351-372.	0.4	14
105	Cellular differentiation: Potential insight into butyrate paradox?. <i>Molecular and Cellular Oncology</i> , 2018, 5, e1212685.	0.3	12
106	Chronic <i>Toxoplasma gondii</i> infection enhances susceptibility to colitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
107	Reverse translation approach generates a signature of penetrating fibrosis in Crohn's disease that is associated with anti-TNF response. <i>Gut</i> , 2022, 71, 1289-1301.	6.1	9
108	Biofilm Formation and Virulence of <i>Shigella flexneri</i> Are Modulated by pH of Gastrointestinal Tract. <i>Infection and Immunity</i> , 2021, 89, e0038721.	1.0	9

#	ARTICLE	IF	CITATIONS
109	Tracking Cell Lineage to Rediscover (again) the Switch from Ciliated to Mucous Cells. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 261-263.	1.4	6
110	Autophagy proteins are required for club cell structure and function in airways. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L259-L270.	1.3	6
111	The Current State of Care for Black and Hispanic Inflammatory Bowel Disease Patients. Inflammatory Bowel Diseases, 2023, 29, 297-307.	0.9	6
112	Counteracting stem cell expansion during wound repair. Cell Cycle, 2013, 12, 387-388.	1.3	5
113	Gut-Pancreatic Axis AMplified in Islets of Langerhans. Immunity, 2015, 43, 216-218.	6.6	5
114	Intestinal Stem Cells Live Off the Fat of the Land. Cell Stem Cell, 2018, 22, 611-612.	5.2	5
115	Epithelial Cell Biomarkers Are Predictive of Response to Biologic Agents in Crohn's Disease. Inflammatory Bowel Diseases, 2021, 27, 677-685.	0.9	5
116	IgG Detoxes the Intestinal Mucosa. Cell Host and Microbe, 2015, 17, 538-539.	5.1	4
117	HER2 and APC Mutations Promote Altered Crypt-Villus Morphology and Marked Hyperplasia in the Intestinal Epithelium. Cellular and Molecular Gastroenterology and Hepatology, 2021, 12, 1105-1120.	2.3	4
118	HOIL1 regulates group 2 innate lymphoid cell numbers and type 2 inflammation in the small intestine. Mucosal Immunology, 2022, 15, 642-655.	2.7	4
119	Assigning function to symbionts. Nature Microbiology, 2018, 3, 6-7.	5.9	2
120	Defining the Basis of Epithelial Defects in Crohn's Using Intestinal Spheroid Culture. Inflammatory Bowel Diseases, 2016, 22, S1-S80.	0.9	1
121	Role of Microbes in the Adaptation of the Colonic Epithelial Progenitor Niche During Injury. Journal of Pediatric Gastroenterology and Nutrition, 2008, 46, E12.	0.9	0
122	P-122 Bacteroides Thetaiotaomicron Induce Tregs in the Colon in a Capsule Independent Mechanism. Inflammatory Bowel Diseases, 2016, 22, S47.	0.9	0
123	Laminins regulate crypt villus architecture and epithelial cell behavior in the mouse intestine. FASEB Journal, 2007, 21, A43.	0.2	0
124	Title is missing!. , 2020, 18, e3000970.		0
125	Title is missing!. , 2020, 18, e3000970.		0
126	Title is missing!. , 2020, 18, e3000970.		0

#	ARTICLE	IF	CITATIONS
127	Title is missing!. , 2020, 18, e3000970.		0
128	Title is missing!. , 2020, 18, e3000970.		0
129	Title is missing!.. , 2020, 18, e3000970.		0
130	Title is missing!.. , 2020, 18, e3000970.		0
131	Paying attention to minutiae: Strain level differences drive disease etiology. Med, 2022, 3, 270-272.	2.2	0