

Allan M Goldstein

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

2,469
citations

218592

26
h-index

223716

46
g-index

88
all docs

88
docs citations

88
times ranked

2435
citing authors

#	ARTICLE	IF	CITATIONS
1	Enteric nervous system development: A crest cell's journey from neural tube to colon. <i>Seminars in Cell and Developmental Biology</i> , 2017, 66, 94-106.	2.3	163
2	BMP signaling is necessary for neural crest cell migration and ganglion formation in the enteric nervous system. <i>Mechanisms of Development</i> , 2005, 122, 821-833.	1.7	145
3	Guidelines for the diagnosis and management of Hirschsprung-associated enterocolitis. <i>Pediatric Surgery International</i> , 2017, 33, 517-521.	0.6	141
4	The Future of Basic Science in Academic Surgery. <i>Annals of Surgery</i> , 2017, 265, 1053-1059.	2.1	139
5	Endothelin-3 regulates neural crest cell proliferation and differentiation in the hindgut enteric nervous system. <i>Developmental Biology</i> , 2006, 293, 203-217.	0.9	132
6	White paper on guidelines concerning enteric nervous system stem cell therapy for enteric neuropathies. <i>Developmental Biology</i> , 2016, 417, 229-251.	0.9	112
7	Bioengineering of functional human induced pluripotent stem cell-derived intestinal grafts. <i>Nature Communications</i> , 2017, 8, 765.	5.8	91
8	Colitis Induces Enteric Neurogenesis Through a 5-HT4-dependent Mechanism. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 870-878.	0.9	79
9	A Roadmap for Aspiring Surgeon-Scientists in Today's Healthcare Environment. <i>Annals of Surgery</i> , 2019, 269, 66-72.	2.1	74
10	Endothelial cells promote migration and proliferation of enteric neural crest cells via β 1 integrin signaling. <i>Developmental Biology</i> , 2009, 330, 263-272.	0.9	73
11	Colitis promotes neuronal differentiation of Sox2+ and PLP1+ enteric cells. <i>Scientific Reports</i> , 2017, 7, 2525.	1.6	69
12	Enteric neural crest-derived cells promote their migration by modifying their microenvironment through tenascin-C production. <i>Developmental Biology</i> , 2013, 382, 446-456.	0.9	65
13	Clinical aspects of neurointestinal disease: Pathophysiology, diagnosis, and treatment. <i>Developmental Biology</i> , 2016, 417, 217-228.	0.9	65
14	Microbiome Composition in Both Wild-Type and Disease Model Mice Is Heavily Influenced by Mouse Facility. <i>Frontiers in Microbiology</i> , 2018, 9, 1598.	1.5	60
15	Altered Goblet Cell Differentiation and Surface Mucus Properties in Hirschsprung Disease. <i>PLoS ONE</i> , 2014, 9, e99944.	1.1	50
16	Sonic hedgehog controls enteric nervous system development by patterning the extracellular matrix. <i>Development (Cambridge)</i> , 2015, 143, 264-75.	1.2	46
17	Dual-modality fluorescence and full-field optical coherence microscopy for biomedical imaging applications. <i>Biomedical Optics Express</i> , 2012, 3, 661.	1.5	43
18	Delivery of enteric neural progenitors with 5-HT4 agonist-loaded nanoparticles and thermosensitive hydrogel enhances cell proliferation and differentiation following transplantation in vivo. <i>Biomaterials</i> , 2016, 88, 1-11.	5.7	43

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19	Collagen 18 and agrin are secreted by enteric neural crest cells to remodel their microenvironment and regulate their migration during ENS development. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	42
20	Ibuprofen slows migration and inhibits bowel colonization by enteric nervous system precursors in zebrafish, chick and mouse. <i>Developmental Biology</i> , 2016, 409, 473-488.	0.9	41
21	Postnatal human enteric neuronal progenitors can migrate, differentiate, and proliferate in embryonic and postnatal aganglionic gut environments. <i>Pediatric Research</i> , 2017, 81, 838-846.	1.1	40
22	Gdnf is mitogenic, neurotrophic, and chemoattractive to enteric neural crest cells in the embryonic colon. <i>Developmental Dynamics</i> , 2011, 240, 1402-1411.	0.8	39
23	A Bird's Eye View of Enteric Nervous System Development: Lessons From the Avian Embryo. <i>Pediatric Research</i> , 2008, 64, 326-333.	1.1	35
24	Mucus Barriers to Microparticles and Microbes are Altered in Hirschsprung's Disease. <i>Macromolecular Bioscience</i> , 2015, 15, 712-718.	2.1	34
25	Guidelines for synoptic reporting of surgery and pathology in Hirschsprung disease. <i>Journal of Pediatric Surgery</i> , 2019, 54, 2017-2023.	0.8	34
26	Evidence of a Myenteric Plexus Barrier and Its Macrophage-Dependent Degradation During Murine Colitis: Implications in Enteric Neuroinflammation. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 1617-1641.	2.3	33
27	Pelvic plexus contributes ganglion cells to the hindgut enteric nervous system. <i>Developmental Dynamics</i> , 2007, 236, 73-83.	0.8	29
28	Immunophenotypic characterization of enteric neural crest cells in the developing avian colorectum. <i>Developmental Dynamics</i> , 2012, 241, 842-851.	0.8	26
29	Bowel dysfunction following pullthrough surgery is associated with an overabundance of nitrergic neurons in Hirschsprung disease. <i>Journal of Pediatric Surgery</i> , 2016, 51, 1834-1838.	0.8	26
30	Association of Sex and Race/Ethnicity With National Institutes of Health Funding of Surgeon-Scientists. <i>JAMA Surgery</i> , 2021, 156, 195.	2.2	26
31	"Too much guts and not enough brains" (epi)genetic mechanisms and future therapies of Hirschsprung disease – a review. <i>Clinical Epigenetics</i> , 2019, 11, 135.	1.8	26
32	Patterning the heart's left-right axis: From zebrafish to man. , 1998, 22, 278-287.		22
33	Transitions in care from pediatric to adult general surgery: Evaluating an unmet need for patients with anorectal malformation and Hirschsprung disease. <i>Journal of Pediatric Surgery</i> , 2018, 53, 1566-1572.	0.8	22
34	Intraganglionic macrophages: a new population of cells in the enteric ganglia. <i>Journal of Anatomy</i> , 2018, 233, 401-410.	0.9	22
35	Intestinal smooth muscle is required for patterning the enteric nervous system. <i>Journal of Anatomy</i> , 2017, 230, 567-574.	0.9	21
36	Enteric mesenchymal cells support the growth of postnatal enteric neural stem cells. <i>Stem Cells</i> , 2021, 39, 1236-1252.	1.4	20

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37	Ontogeny of ramified CD45 cells in chicken embryo and their contribution to bursal secretory dendritic cells. <i>Cell and Tissue Research</i> , 2017, 368, 353-370.	1.5	19
38	Spray Delivery of Intestinal Organoids to Reconstitute Epithelium on Decellularized Native Extracellular Matrix. <i>Tissue Engineering - Part C: Methods</i> , 2017, 23, 565-573.	1.1	19
39	Optimizing neurogenic potential of enteric neurospheres for treatment of neurointestinal diseases. <i>Journal of Surgical Research</i> , 2016, 206, 451-459.	0.8	18
40	Enteric neuronal cell therapy reverses architectural changes in a novel diphtheria toxin-mediated model of colonic aganglionosis. <i>Scientific Reports</i> , 2019, 9, 18756.	1.6	18
41	Presence of intramucosal neuroglial cells in normal and aganglionic human colon. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, G1002-G1012.	1.6	17
42	Schwann cells in the subcutaneous adipose tissue have neurogenic potential and can be used for regenerative therapies. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	17
43	Type Three Secretion System-Dependent Microvascular Thrombosis and Ischemic Enteritis in Human Gut Xenografts Infected with Enteropathogenic <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2017, 85, .	1.0	14
44	Impact of the coronavirus disease 2019 pandemic on surgical research and lessons for the future. <i>Surgery</i> , 2021, 169, 257-263.	1.0	14
45	Engraftment of enteric neural progenitor cells into the injured adult brain. <i>BMC Neuroscience</i> , 2016, 17, 5.	0.8	13
46	Optimal timing for Soave primary pull-through in short-segment Hirschsprung disease: A meta-analysis. <i>Journal of Pediatric Surgery</i> , 2022, 57, 719-725.	0.8	13
47	Opportunities for novel diagnostic and cell-based therapies for Hirschsprung disease. <i>Journal of Pediatric Surgery</i> , 2022, 57, 61-68.	0.8	13
48	What Does It Take To Be A Successful Pediatric Surgeonâ€“Scientist?. <i>Journal of Pediatric Surgery</i> , 2015, 50, 1049-1052.	0.8	12
49	Surgical Management of Idiopathic Constipation in Pediatric Patients. <i>Clinics in Colon and Rectal Surgery</i> , 2018, 31, 089-098.	0.5	12
50	Intestinal coelomic transplants: a novel method for studying enteric nervous system development. <i>Cell and Tissue Research</i> , 2006, 326, 43-55.	1.5	11
51	Laparoscopic-Assisted Percutaneous Endoscopic Cecostomy (LAPEC) in Children and Young Adults. <i>Journal of Gastrointestinal Surgery</i> , 2017, 21, 676-683.	0.9	11
52	Association of Surgeon Representation on NIH Study Sections With Receipt of Funding by Surgeon-scientists. <i>Annals of Surgery</i> , 2021, 273, 1042-1048.	2.1	11
53	RET overactivation leads to concurrent Hirschsprung disease and intestinal ganglioneuromas. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	10
54	Homeostasis of mucosal glial cells in human gut is independent of microbiota. <i>Scientific Reports</i> , 2021, 11, 12796.	1.6	10

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55	Hypoganglionosis in the gastric antrum causes delayed gastric emptying. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13766.	1.6	9
56	Pan-enteric neuropathy and dysmotility are present in a mouse model of short-segment Hirschsprung disease and may contribute to post-pullthrough morbidity. <i>Journal of Pediatric Surgery</i> , 2021, 56, 250-256.	0.8	9
57	Top ten strategies to enhance grant-writing success. <i>Surgery</i> , 2021, 170, 1727-1731.	1.0	9
58	The Pediatric Surgeonâ€“Scientist: Succeeding in Today's Academic Environment. <i>Journal of Surgical Research</i> , 2019, 244, 502-508.	0.8	7
59	Complex Simplicity and Hirschsprungâ€™s Disease. <i>New England Journal of Medicine</i> , 2019, 380, 1478-1479.	13.9	7
60	Giant mesenteric lymphatic malformation presenting as small bowel volvulus. <i>Journal of Surgical Case Reports</i> , 2013, 2013, rjt083-rjt083.	0.2	6
61	Avian ceca are indispensable for hindgut enteric nervous system development. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	6
62	An algorithmic approach to an impactful specific aims page. <i>Surgery</i> , 2021, 169, 816-820.	1.0	5
63	Mentored career development awards for the development of surgeon-scientists. <i>Surgery</i> , 2021, 170, 1105-1111.	1.0	5
64	TALPID3/KIAA0586 Regulates Multiple Aspects of Neuromuscular Patterning During Gastrointestinal Development in Animal Models and Human. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 757646.	1.4	3
65	Applications of Single-Cell Sequencing Technology to the Enteric Nervous System. <i>Biomolecules</i> , 2022, 12, 452.	1.8	3
66	Case 33-2017. <i>New England Journal of Medicine</i> , 2017, 377, 1667-1677.	13.9	2
67	Case 24-2017. <i>New England Journal of Medicine</i> , 2017, 377, 574-582.	13.9	2
68	Case 29-2019: A 14-Month-Old Boy with Vomiting. <i>New England Journal of Medicine</i> , 2019, 381, 1159-1167.	13.9	2
69	Open innovation facilitates department-wide engagement in quality improvement: experience from the Massachusetts General Hospital. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 5441-5449.	1.3	2
70	Writing an effective National Institutes of Health (NIH) budget: How to get the money for your science. <i>Surgery</i> , 2022, 171, 342-347.	1.0	2
71	Climbing the grants ladder: Funding opportunities for surgeons. <i>Surgery</i> , 2021, 170, 707-712.	1.0	2
72	Intestinal Pathology in Patients With Pathogenic <i>ACTG2</i> -Variant Visceral Myopathy: 16 Patients From 12 Families and Review of the Literature. <i>Pediatric and Developmental Pathology</i> , 2022, 25, 581-597.	0.5	2

#	ARTICLE	IF	CITATIONS
73	Case 10-2017 " A 6-Month-Old Boy with Gastrointestinal Bleeding and Abdominal Pain. New England Journal of Medicine, 2017, 376, 1269-1277.	13.9	1
74	Preface. Seminars in Pediatric Surgery, 2017, 26, 343.	0.5	1
75	A practical guide to writing a competitive K award application. Surgery, 2021, 170, 1411-1417.	1.0	1
76	Significance and innovation: cornerstones of a successful grant application. Surgery, 2021, 170, 1080-1082.	1.0	1
77	Operational Innovation in the Provision of Pediatric Extracorporeal Membrane Oxygenation for Multisystem Inflammatory Syndrome in Children. Health Security, 2022, , .	0.9	1
78	Tamoxifen administration alters gastrointestinal motility in mice. Neurogastroenterology and Motility, 2022, , e14357.	1.6	1
79	Commentary on: Why was there no mention of informed consent and ethics committee approval in a prospective trial?. Surgery, 2014, 156, 735-736.	1.0	0
80	Isolation and Characterization of Enteric Nervous System Stem Cells. FASEB Journal, 2013, 27, 752.3.	0.2	0
81	Expression and function of tenascin" during colorectal enteric nervous system development. FASEB Journal, 2013, 27, 965.4.	0.2	0
82	Gut Epithelium"derived Sonic Hedgehog Regulates the Extracellular Matrix During Formation of the Intestinal Nervous System. FASEB Journal, 2015, 29, 873.2.	0.2	0
83	Invited commentary on Ahmad et"al.: Routine botulinum toxin injection one month after a Swenson pull-through does not change the incidence of Hirschsprung associated enterocolitis. Journal of Pediatric Surgery, 2021, , .	0.8	0
84	Enteric Neurons Get Our Undivided Attention. Cellular and Molecular Gastroenterology and Hepatology, 2022, 14, 239-240.	2.3	0