

Mark R Hellmich

List of Publications by Year in descending order

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60
papers

3,607
citations

117571

34
h-index

149623

56
g-index

61
all docs

61
docs citations

61
times ranked

4210
citing authors

#	ARTICLE	IF	CITATIONS
1	Tumor-derived hydrogen sulfide, produced by cystathionine- $\hat{1}^2$ -synthase, stimulates bioenergetics, cell proliferation, and angiogenesis in colon cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12474-12479.	3.3	601
2	The Therapeutic Potential of Cystathionine $\hat{1}^2$ -Synthetase/Hydrogen Sulfide Inhibition in Cancer. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 424-448.	2.5	198
3	Hydrogen Sulfide and Cancer. <i>Handbook of Experimental Pharmacology</i> , 2015, 230, 233-241.	0.9	174
4	Human Colorectal Cancers Express a Constitutively Active Cholecystokinin-B/Gastrin Receptor That Stimulates Cell Growth. <i>Journal of Biological Chemistry</i> , 2000, 275, 32122-32128.	1.6	130
5	Regulation of mitochondrial bioenergetic function by hydrogen sulfide. Part <scp>II</scp>. Pathophysiological and therapeutic aspects. <i>British Journal of Pharmacology</i> , 2014, 171, 2123-2146.	2.7	121
6	Role of Gastrointestinal Hormones in the Proliferation of Normal and Neoplastic Tissues. <i>Endocrine Reviews</i> , 2003, 24, 571-599.	8.9	116
7	Activator Protein-1 Transcription Factor Mediates Bombesin-stimulated Cyclooxygenase-2 Expression in Intestinal Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 22941-22947.	1.6	112
8	Butyrate-induced differentiation of Caco-2 cells is associated with apoptosis and early induction of p21Waf1/Cip1 and p27Kip1. <i>Surgery</i> , 1998, 124, 161-170.	1.0	107
9	Cyclooxygenase-2 gene disruption attenuates the severity of acute pancreatitis and pancreatitis-associated lung injury. <i>Gastroenterology</i> , 2002, 123, 1311-1322.	0.6	104
10	Upregulation of Cystathionine- $\hat{1}^2$ -Synthase in Colonic Epithelia Reprograms Metabolism and Promotes Carcinogenesis. <i>Cancer Research</i> , 2017, 77, 5741-5754.	0.4	102
11	Regulation of TRAIL Expression by the Phosphatidylinositol 3-Kinase/Akt/GSK-3 Pathway in Human Colon Cancer Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 36602-36610.	1.6	100
12	Bombesin stimulates nuclear factor kappa B activation and expression of proangiogenic factors in prostate cancer cells. <i>Cancer Research</i> , 2003, 63, 3495-502.	0.4	99
13	Role of endogenous and exogenous nitric oxide, carbon monoxide and hydrogen sulfide in HCT116 colon cancer cell proliferation. <i>Biochemical Pharmacology</i> , 2018, 149, 186-204.	2.0	95
14	Effect of S-adenosyl-l-methionine (SAM), an allosteric activator of cystathionine- $\hat{1}^2$ -synthase (CBS) on colorectal cancer cell proliferation and bioenergetics in vitro. <i>Nitric Oxide - Biology and Chemistry</i> , 2014, 41, 146-156.	1.2	94
15	Inhibition of hydrogen sulfide biosynthesis sensitizes lung adenocarcinoma to chemotherapeutic drugs by inhibiting mitochondrial DNA repair and suppressing cellular bioenergetics. <i>Scientific Reports</i> , 2016, 6, 36125.	1.6	89
16	Gastrin Stimulates Cyclooxygenase-2 Expression in Intestinal Epithelial Cells through Multiple Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2002, 277, 48755-48763.	1.6	86
17	Glucagon-like peptide 2 is a potent growth factor for small intestine and colon. <i>Journal of Gastrointestinal Surgery</i> , 1998, 2, 146-150.	0.9	81
18	H ₂ S-induced S-sulphydration of lactate dehydrogenase a (LDHA) stimulates cellular bioenergetics in HCT116 colon cancer cells. <i>Biochemical Pharmacology</i> , 2017, 136, 86-98.	2.0	70

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19	Drug resistance induces the upregulation of H ₂ S-producing enzymes in HCT116 colon cancer cells. <i>Biochemical Pharmacology</i> , 2018, 149, 174-185.	2.0	67
20	Screening of a composite library of clinically used drugs and well-characterized pharmacological compounds for cystathionine β -synthase inhibition identifies benserazide as a drug potentially suitable for repurposing for the experimental therapy of colon cancer. <i>Pharmacological Research</i> , 2016, 113, 18-37.	3.1	62
21	Role of multidrug resistance P-glycoprotein in the secretion of aldosterone by human adrenal NCI-H295 cells. <i>American Journal of Physiology - Cell Physiology</i> , 2000, 278, C1256-C1265.	2.1	60
22	Cystathionine- β -Synthase Inhibition for Colon Cancer: Enhancement of the Efficacy of Aminooxyacetic Acid via the Prodrug Approach. <i>Molecular Medicine</i> , 2016, 22, 361-379.	1.9	59
23	Multiple Protein Kinase Pathways Are Involved in Gastrin-releasing Peptide Receptor-regulated Secretion. <i>Journal of Biological Chemistry</i> , 1999, 274, 23901-23909.	1.6	56
24	Consensus Molecular Subtypes of Colorectal Cancer and their Clinical Implications. <i>International Biological and Biomedical Journal</i> , 2017, 3, 105-111.	7.0	54
25	Endogenously produced hydrogen sulfide supports tumor cell growth and proliferation. <i>Cell Cycle</i> , 2013, 12, 2915-2916.	1.3	51
26	Signaling mechanisms regulating bombesin-mediated AP-1 gene induction in the human gastric cancer SIIA. <i>American Journal of Physiology - Cell Physiology</i> , 2000, 279, C326-C334.	2.1	45
27	Gastrin, inflammation, and carcinogenesis. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2010, 17, 33-39.	1.2	45
28	Pharmacological Inhibition and Genetic Knockdown of Exchange Protein Directly Activated by cAMP 1 Reduce Pancreatic Cancer Metastasis In Vivo. <i>Molecular Pharmacology</i> , 2015, 87, 142-149.	1.0	45
29	Inhibition of neurotensin-induced pancreatic carcinoma growth by a nonpeptide neurotensin receptor antagonist, SR48692. , 1997, 79, 1787-1793.		41
30	Targeting of a CCK2 receptor splice variant with ¹¹¹ In-labelled cholecystokinin-8 (CCK8) and ¹¹¹ In-labelled minigastrin. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 386-392.	3.3	40
31	3-mercaptopyruvate sulfurtransferase supports endothelial cell angiogenesis and bioenergetics. <i>British Journal of Pharmacology</i> , 2020, 177, 866-883.	2.7	39
32	Gremlin is a key pro-fibrogenic factor in chronic pancreatitis. <i>Journal of Molecular Medicine</i> , 2015, 93, 1085-1093.	1.7	38
33	Demonstration of Functional Oxytocin Receptors in Human Breast Hs578T Cells and Their Up-Regulation through a Protein Kinase C-Dependent Pathway*. <i>Endocrinology</i> , 1999, 140, 2258-2267.	1.4	37
34	Gastrin-Releasing Peptide Receptor in Breast Cancer Mediates Cellular Migration and Interleukin-8 Expression. <i>Journal of Surgical Research</i> , 2009, 156, 26-31.	0.8	37
35	Apigenin inhibits pancreatic stellate cell activity in pancreatitis. <i>Journal of Surgical Research</i> , 2015, 196, 8-16.	0.8	35
36	Design, synthesis, and characterization of novel apigenin analogues that suppress pancreatic stellate cell proliferation in vitro and associated pancreatic fibrosis in vivo. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 3393-3404.	1.4	33

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37	Agonist-independent Activation of Src Tyrosine Kinase by a Cholecystokinin-2 (CCK2) Receptor Splice Variant. <i>Journal of Biological Chemistry</i> , 2004, 279, 40400-40404.	1.6	31
38	Overexpression of Evi-1 oncoprotein represses TGF- β 2 signaling in colorectal cancer. <i>Molecular Carcinogenesis</i> , 2013, 52, 255-264.	1.3	31
39	Bone Morphogenetic Protein Signaling Protects against Cerulein-Induced Pancreatic Fibrosis. <i>PLoS ONE</i> , 2014, 9, e89114.	1.1	27
40	Patient-derived Xenografts from Colorectal Carcinoma: A Temporal and Hierarchical Study of Murine Stromal Cell Replacement. <i>Anticancer Research</i> , 2017, 37, 3405-3412.	0.5	26
41	CCK ₂ receptor expression transforms non-tumorigenic human NCM356 colonic epithelial cells into tumor forming cells. <i>International Journal of Cancer</i> , 2010, 126, 864-875.	2.3	19
42	Gastrointestinal Hormone Receptors in Primary Human Colorectal Carcinomas1. <i>Journal of Surgical Research</i> , 2005, 129, 313-321.	0.8	18
43	Colorectal Cancer-Associated Fibroblasts are Genotypically Distinct. <i>Current Cancer Therapy Reviews</i> , 2014, 10, 97-218.	0.2	18
44	Src Regulates Constitutive Internalization and Rapid Resensitization of a Cholecystokinin 2 Receptor Splice Variant. <i>Journal of Biological Chemistry</i> , 2005, 280, 33368-33373.	1.6	17
45	Enterotrophic effects of glucagon-like peptide 2 are enhanced by neurotensin,. <i>Journal of Gastrointestinal Surgery</i> , 1999, 3, 432-440.	0.9	14
46	Efficacy of Novel Aminoxyacetic Acid Prodrugs in Colon Cancer Models: Towards Clinical Translation of the Cystathionine β -Synthase Inhibition Concept. <i>Biomolecules</i> , 2021, 11, 1073.	1.8	14
47	Distribution and Localization of a Novel Cholecystokinin-Releasing Factor in the Rat Gastrointestinal Tract. <i>Endocrinology</i> , 1997, 138, 5550-5554.	1.4	11
48	Isolation of CD 90+ Fibroblast/Myofibroblasts from Human Frozen Gastrointestinal Specimens. <i>Journal of Visualized Experiments</i> , 2016, , e53691.	0.2	10
49	Epidermal Growth Factor Potentiates Cholecystokinin/Gastrin Receptor-mediated Ca ²⁺ Release by Activation of Mitogen-activated Protein Kinases. <i>Journal of Biological Chemistry</i> , 2004, 279, 1853-1860.	1.6	9
50	Raf-1 Kinase Inhibitory Protein (RKIP) Mediates Ethanol-induced Sensitization of Secretagogue Signaling in Pancreatic Acinar Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 33377-33388.	1.6	9
51	Regulation of bombesin-stimulated cyclooxygenase-2 expression in prostate cancer cells. <i>BMC Molecular Biology</i> , 2011, 12, 29.	3.0	8
52	Bombesin enhances TGF- β 2 growth inhibitory effect through apoptosis induction in intestinal epithelial cells. <i>Regulatory Peptides</i> , 2009, 158, 26-31.	1.9	6
53	Synergistic Regulation of COX-2 Expression by Bombesin and Transforming Growth Factor- β 2. <i>Digestive Diseases and Sciences</i> , 2008, 53, 2045-2052.	1.1	5
54	Integration of leadership training for graduate and medical students engaged in translational biomedical research: Examining self-efficacy and self-insight. <i>Journal of Clinical and Translational Science</i> , 2018, 2, 48-52.	0.3	3

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55	A functional in vitro model to examine signaling mechanisms in gastrin-mediated human cell growth. Journal of Gastrointestinal Surgery, 1997, 1, 69-77.	0.9	2
56	Translational Research Track for Medical Students: Developing Interprofessional Collaborative Competencies for Translational Research. Medical Science Educator, 2011, 21, 63-66.	0.7	2
57	Gastrointestinal Peptides. , 2012, , 115-154.		1
58	Regulation of Gastrointestinal Normal Cell Growth. , 2006, , 435-458.		0
59	3302 Student Leadership Training effects on team dynamics and collaborative work in high-pressure, interprofessional team environments. Journal of Clinical and Translational Science, 2019, 3, 74-74.	0.3	0
60	4160 Evaluating Student Team Dynamics. Journal of Clinical and Translational Science, 2020, 4, 61-61.	0.3	0