

Gail L Matters

List of Publications by Year in descending order

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49
papers

1,610
citations

218677

26
h-index

289244

40
g-index

49
all docs

49
docs citations

49
times ranked

2068
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioconjugation of Calcium Phosphosilicate Composite Nanoparticles for Selective Targeting of Human Breast and Pancreatic Cancers <i>In Vivo</i>. ACS Nano, 2010, 4, 1279-1287.	14.6	133
2	Marked Differences between Metalloproteases Meprin A and B in Substrate and Peptide Bond Specificity. Journal of Biological Chemistry, 2001, 276, 13248-13255.	3.4	103
3	Effect of the free radical-generating herbicide paraquat on the expression of the superoxide dismutase (Sod) genes in maize. Biochimica Et Biophysica Acta - General Subjects, 1986, 882, 29-38.	2.4	82
4	Tumor-promoting effects of pancreatic cancer cell exosomes on THP-1-derived macrophages. PLoS ONE, 2018, 13, e0206759.	2.5	81
5	Macrophage-Tumor Cell Fusions from Peripheral Blood of Melanoma Patients. PLoS ONE, 2015, 10, e0134320.	2.5	76
6	Meprin metalloprotease expression and regulation in kidney, intestine, urinary tract infections and cancer. FEBS Letters, 2005, 579, 3317-3322.	2.8	75
7	The use of nanoparticulates to treat breast cancer. Nanomedicine, 2017, 12, 2367-2388.	3.3	74
8	Structure and light-regulated expression of the gsa gene encoding the chlorophyll biosynthetic enzyme, glutamate 1-semialdehyde aminotransferase, in Chlamydomonas reinhardtii. Plant Molecular Biology, 1994, 24, 617-629.	3.9	54
9	"Stealth dissemination" of macrophage-tumor cell fusions cultured from blood of patients with pancreatic ductal adenocarcinoma. PLoS ONE, 2017, 12, e0184451.	2.5	51
10	Inhibitors of Polyamine Biosynthesis Decrease the Expression of the Metalloproteases Meprin $\hat{\pm}$ and MMP-7 in Hormone-independent Human Breast Cancer Cells. Clinical and Experimental Metastasis, 2005, 22, 331-339.	3.3	47
11	Changes in plant gene expression during stress. Genesis, 1986, 7, 167-175.	2.1	46
12	Synthesis of Isozymes of Superoxide Dismutase in Maize Leaves in Response to O ₃ , SO ₂ and Elevated O ₂ . Journal of Experimental Botany, 1987, 38, 842-852.	4.8	44
13	Expression and regulation of the meprin $\hat{?}$ gene in human cancer cells. Molecular Carcinogenesis, 1999, 25, 169-178.	2.7	42
14	Balance of meprin A and B in mice affects the progression of experimental inflammatory bowel disease. American Journal of Physiology - Renal Physiology, 2011, 300, G273-G282.	3.4	39
15	Structure and expression of the Chlamydomonas reinhardtii alad gene encoding the chlorophyll biosynthetic enzyme, $\hat{?}$ -aminolevulinic acid dehydratase (porphobilinogen synthase). Plant Molecular Biology, 1995, 27, 607-617.	3.9	37
16	Cholecystokinin Receptor Antagonist Halts Progression of Pancreatic Cancer Precursor Lesions and Fibrosis in Mice. Pancreas, 2014, 43, 1050-1059.	1.1	36
17	Meprin $\hat{2}$ metalloprotease gene polymorphisms associated with diabetic nephropathy in the Pima Indians. Human Genetics, 2005, 118, 12-22.	3.8	35
18	A Cholecystokinin B Receptor-Specific DNA Aptamer for Targeting Pancreatic Ductal Adenocarcinoma. Nucleic Acid Therapeutics, 2017, 27, 23-35.	3.6	34

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19	Soluble starch synthases and starch branching enzymes from cotyledons of smooth- and wrinkled-seeded lines of <i>Pisum sativum</i> L.. <i>Biochemical Genetics</i> , 1982, 20, 833-848.	1.7	33
20	A gene/pseudogene tandem duplication encodes a cysteine-rich protein expressed during zygote development in <i>Chlamydomonas reinhardtii</i> . <i>Molecular Genetics and Genomics</i> , 1992, 232, 81-88.	2.4	31
21	Growth of Human Pancreatic Cancer Is Inhibited by Down-Regulation of Gastrin Gene Expression. <i>Pancreas</i> , 2009, 38, e151-e161.	1.1	30
22	Cholecystokinin Mediates Progression and Metastasis of Pancreatic Cancer Associated with Dietary Fat. <i>Digestive Diseases and Sciences</i> , 2014, 59, 1180-1191.	2.3	30
23	Meprin A impairs epithelial barrier function, enhances monocyte migration, and cleaves the tight junction protein occludin. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F714-F726.	2.7	28
24	Conductance-Based Biophysical Distinction and Microfluidic Enrichment of Nanovesicles Derived from Pancreatic Tumor Cells of Varying Invasiveness. <i>Analytical Chemistry</i> , 2019, 91, 10424-10431.	6.5	28
25	Starch synthases and starch branching enzymes from <i>Pisum sativum</i> . <i>Phytochemistry</i> , 1981, 20, 1805-1809.	2.9	27
26	Downregulation of the CCK-B receptor in pancreatic cancer cells blocks proliferation and promotes apoptosis. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, G1244-G1252.	3.4	26
27	Characterising cis-regulatory variation in the transcriptome of histologically normal and tumour-derived pancreatic tissues. <i>Gut</i> , 2018, 67, 521-533.	12.1	26
28	Expression of meprins in health and disease. <i>Current Topics in Developmental Biology</i> , 2003, 54, 145-166.	2.2	24
29	Metastasis of hormone-independent breast cancer to lung and bone is decreased by \pm -difluoromethylornithine treatment. <i>Breast Cancer Research</i> , 2005, 7, R819-27.	5.0	24
30	The Opioid Antagonist Naltrexone Improves Murine Inflammatory Bowel Disease. <i>Journal of Immunotoxicology</i> , 2008, 5, 179-187.	1.7	24
31	Functional characterization of a chr13q22.1 pancreatic cancer risk locus reveals long-range interaction and allele-specific effects on <i>DIS3</i> expression. <i>Human Molecular Genetics</i> , 2016, 25, ddw300.	2.9	24
32	Role of endogenous cholecystokinin on growth of human pancreatic cancer. <i>International Journal of Oncology</i> , 2011, 38, 593-601.	3.3	23
33	Effect of elevated temperature on catalase and superoxide dismutase during maize development. <i>Differentiation</i> , 1986, 30, 190-196.	1.9	22
34	A single nucleotide polymorphism of the cholecystokinin-B receptor predicts risk for pancreatic cancer. <i>Cancer Biology and Therapy</i> , 2012, 13, 164-174.	3.4	16
35	Meprin B: Transcriptional and posttranscriptional regulation of the meprin β metalloproteinase subunit in human and mouse cancer cells. <i>Apmis</i> , 1999, 107, 19-27.	2.0	15
36	Human and mouse homo-oligomeric meprin A metalloendopeptidase: substrate and inhibitor specificities. <i>Biological Chemistry</i> , 2007, 388, 1163-1172.	2.5	15

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37	Novel strategies for managing pancreatic cancer. <i>World Journal of Gastroenterology</i> , 2014, 20, 14717.	3.3	15
38	Effective encapsulation and biological activity of phosphorylated chemotherapeutics in calcium phosphosilicate nanoparticles for the treatment of pancreatic cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 2313-2324.	3.3	11
39	Structure of the mouse metalloprotease meprin $\hat{1}^2$ gene (Mep1b): Alternative splicing in cancer cells. <i>Gene</i> , 2000, 248, 77-87.	2.2	10
40	Distribution of Cholecystokinin-B Receptor Genotype Between Patients With Pancreatic Cancer and Controls and Its Impact on Survival. <i>Pancreas</i> , 2015, 44, 236-242.	1.1	10
41	Aptamer-Targeted Calcium Phosphosilicate Nanoparticles for Effective Imaging of Pancreatic and Prostate Cancer. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 2297-2309.	6.7	7
42	Biosynthesis of γ -aminolevulinic acid from glutamate by <i>Sulfolobus solfataricus</i> . <i>Archives of Microbiology</i> , 1994, 161, 272-276.	2.2	6
43	Utilizing Peptide Ligand GPCRs to Image and Treat Pancreatic Cancer. <i>Biomedicines</i> , 2018, 6, 65.	3.2	6
44	Germline Mutation of the CCK Receptor: A Novel Biomarker for Pancreas Cancer. <i>Clinical and Translational Gastroenterology</i> , 2016, 7, e134.	2.5	5
45	Preferential uptake of antibody targeted calcium phosphosilicate nanoparticles by metastatic triple negative breast cancer cells in co-cultures of human metastatic breast cancer cells plus bone osteoblasts. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 34, 102383.	3.3	5
46	A Speculative Role for Stromal Gastrin Signaling in Development and Dissemination of Pancreatic Ductal Adenocarcinoma. <i>Pancreatic Disorders & Therapy</i> , 2013, 01, 003.	0.3	0
47	Mepriins Affect Epithelial Barrier Function by Cleaving Tight Junction Proteins. <i>FASEB Journal</i> , 2010, 24, 683.1.	0.5	0
48	Blue-Light Regulated Expression of Genes for Two Early Steps of Chlorophyll Biosynthesis in <i>Chlamydomonas Reinhardtii</i> . , 1995, , 2845-2850.		0
49	Bio-distribution of near infrared imaging agent loaded targeted drug nanoparticle carriers in highly fibrotic pancreatic tumor determined using multiphoton and harmonic generation imaging. , 2018, , .		0