

Matthew A Firpo

List of Publications by Year in descending order

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75
papers

4,693
citations

126907

33
h-index

98798

67
g-index

79
all docs

79
docs citations

79
times ranked

8688
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenotype and Genotype of Pancreatic Cancer Cell Lines. <i>Pancreas</i> , 2010, 39, 425-435.	1.1	746
2	Stat3 and MMP7 Contribute to Pancreatic Ductal Adenocarcinoma Initiation and Progression. <i>Cancer Cell</i> , 2011, 19, 441-455.	16.8	452
3	Heparin-regulated release of growth factors in vitro and angiogenic response in vivo to implanted hyaluronan hydrogels containing VEGF and bFGF. <i>Biomaterials</i> , 2006, 27, 5242-5251.	11.4	304
4	Early Detection of Sporadic Pancreatic Cancer. <i>Pancreas</i> , 2015, 44, 693-712.	1.1	255
5	Screening for Pancreatic Cancer. <i>Annals of Surgery</i> , 2013, 257, 17-26.	4.2	217
6	Inverse association between adiposity and telomere length: The fels longitudinal study. <i>American Journal of Human Biology</i> , 2011, 23, 100-106.	1.6	175
7	The chromatin regulator Brg1 suppresses formation of intraductal papillary mucinous neoplasm and pancreatic ductal adenocarcinoma. <i>Nature Cell Biology</i> , 2014, 16, 255-267.	10.3	172
8	Release factor RF-3 GTPase activity acts in disassembly of the ribosome termination complex. <i>Rna</i> , 1998, 4, 973-983.	3.5	168
9	Sustained Activation of Nuclear Erythroid 2-Related Factor 2/Antioxidant Response Element Signaling Promotes Reductive Stress in the Human Mutant Protein Aggregation Cardiomyopathy in Mice. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 957-971.	5.4	121
10	Exosomes harbor B cell targets in pancreatic adenocarcinoma and exert decoy function against complement-mediated cytotoxicity. <i>Nature Communications</i> , 2019, 10, 254.	12.8	120
11	Sequential Validation of Blood-Based Protein Biomarker Candidates for Early-Stage Pancreatic Cancer. <i>Journal of the National Cancer Institute</i> , 2017, 109, djw266.	6.3	116
12	Stimulation of in vivo angiogenesis using dual growth factor-loaded crosslinked glycosaminoglycan hydrogels. <i>Biomaterials</i> , 2006, 27, 5935-5943.	11.4	111
13	Toward development of a surface-enhanced Raman scattering (SERS)-based cancer diagnostic immunoassay panel. <i>Analyst</i> , 2013, 138, 410-416.	3.5	87
14	Serum Osteopontin and Tissue Inhibitor of Metalloproteinase 1 as Diagnostic and Prognostic Biomarkers for Pancreatic Adenocarcinoma. <i>Pancreas</i> , 2013, 42, 193-197.	1.1	86
15	BAG3 promotes pancreatic ductal adenocarcinoma growth by activating stromal macrophages. <i>Nature Communications</i> , 2015, 6, 8695.	12.8	81
16	Stimulation of in vivo angiogenesis by in situ crosslinked, dual growth factor-loaded, glycosaminoglycan hydrogels. <i>Biomaterials</i> , 2010, 31, 4630-4638.	11.4	76
17	Biomarkers in pancreatic adenocarcinoma: current perspectives. <i>OncoTargets and Therapy</i> , 2016, Volume 9, 7459-7467.	2.0	72
18	Microvascular maturity elicited in tissue treated with cytokine-loaded hyaluronan-based hydrogels. <i>Biomaterials</i> , 2008, 29, 2336-2347.	11.4	65

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19	Role of BAG3 in cancer progression: A therapeutic opportunity. <i>Seminars in Cell and Developmental Biology</i> , 2018, 78, 85-92.	5.0	61
20	Defective apical extrusion signaling contributes to aggressive tumor hallmarks. <i>ELife</i> , 2015, 4, e04069.	6.0	59
21	Silk-hyaluronan-based composite hydrogels: A novel, securable vehicle for drug delivery. <i>Journal of Biomaterials Applications</i> , 2013, 27, 749-762.	2.4	56
22	Serum Platelet Factor 4 Is an Independent Predictor of Survival and Venous Thromboembolism in Patients with Pancreatic Adenocarcinoma. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010, 19, 2605-2610.	2.5	55
23	Genetic probes of ribosomal RNA function. <i>Biochemistry and Cell Biology</i> , 1995, 73, 859-868.	2.0	54
24	Effect of Gelatin on Heparin Regulation of Cytokine Release from Hyaluronan-Based Hydrogels. <i>Drug Delivery</i> , 2008, 15, 389-397.	5.7	53
25	Improved Diagnosis of Pancreatic Adenocarcinoma Using Haptoglobin and Serum Amyloid A in a Panel Screen. <i>World Journal of Surgery</i> , 2009, 33, 716-722.	1.6	51
26	Beta-catenin is selectively required for the expansion and regeneration of mature pancreatic acinar cells. <i>DMM Disease Models and Mechanisms</i> , 2012, 5, 503-14.	2.4	49
27	Serum IGFBP2 and MSLN as diagnostic and prognostic biomarkers for pancreatic cancer. <i>Hpb</i> , 2014, 16, 670-676.	0.3	48
28	Cytomegalovirus (CMV) Infection Causes Degeneration of Cochlear Vasculature and Hearing Loss in a Mouse Model. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2017, 18, 263-273.	1.8	43
29	Disparities in utilization of treatment for clinical stage I-II pancreatic adenocarcinoma by area socioeconomic status and race/ethnicity. <i>Surgery</i> , 2019, 165, 751-759.	1.9	43
30	The 23 S rRNA environment of ribosomal protein L9 in the 50 S ribosomal subunit Edited by D. E. Draper. <i>Journal of Molecular Biology</i> , 2000, 297, 1129-1143.	4.2	42
31	Violet 405-nm light: a novel therapeutic agent against common pathogenic bacteria. <i>Journal of Surgical Research</i> , 2016, 206, 316-324.	1.6	41
32	Surgical overtreatment of pancreatic intraductal papillary mucinous neoplasms: Do the 2017 International Consensus Guidelines improve clinical decision making?. <i>Surgery</i> , 2018, 164, 1178-1184.	1.9	39
33	Size and Importance of Socioeconomic Status-Based Disparities in Use of Surgery in Nonadvanced Stage Gastrointestinal Cancers. <i>Annals of Surgical Oncology</i> , 2020, 27, 333-341.	1.5	38
34	Mutations at Two Invariant Nucleotides in the 3'-Minor Domain of Escherichia coli 16 S rRNA Affecting Translational Initiation and Initiation Factor 3 Function. <i>Journal of Biological Chemistry</i> , 1996, 271, 4693-4698.	3.4	33
35	Trends in research support and productivity in the changing environment of academic surgery. <i>Journal of Surgical Research</i> , 2004, 116, 197-201.	1.6	29
36	Pancreatic cancer as a sentinel for hereditary cancer predisposition. <i>BMC Cancer</i> , 2018, 18, 697.	2.6	29

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37	Synthetic Extracellular Matrix Enhances Tumor Growth and Metastasis in an Orthotopic Mouse Model of Pancreatic Adenocarcinoma. <i>Journal of Gastrointestinal Surgery</i> , 2008, 12, 1074-1080.	1.7	28
38	A Comparison of Different Murine Models for Cytomegalovirus-Induced Sensorineural Hearing Loss. <i>Laryngoscope</i> , 2013, 123, 2801-2806.	2.0	28
39	Seamless, axially aligned, fiber tubes, meshes, microbundles and gradient biomaterial constructs. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 2679-2695.	3.6	27
40	The mitochondrial metal transporters mitoferrin1 and mitoferrin2 are required for liver regeneration and cell proliferation in mice. <i>Journal of Biological Chemistry</i> , 2020, 295, 11002-11020.	3.4	25
41	¹ H-MAS MRS of the pancreas reveals reduced lipid and elevated lactate and taurine associated with early pancreatic cancer. <i>NMR in Biomedicine</i> , 2014, 27, 1361-1370.	2.8	24
42	Global expression profiling identifies a novel biosignature for protein aggregation R120GCryAB cardiomyopathy in mice. <i>Physiological Genomics</i> , 2008, 35, 165-172.	2.3	22
43	Screening for Pancreatic Cancer. <i>Advances in Surgery</i> , 2014, 48, 115-136.	1.3	20
44	Natural killer cells attenuate cytomegalovirus-induced hearing loss in mice. <i>PLoS Pathogens</i> , 2017, 13, e1006599.	4.7	20
45	Anti-inflammatory Effects of PPAR- β Agonists Directly Correlate With PPAR- β Expression During Acute Pancreatitis. <i>Journal of Gastrointestinal Surgery</i> , 2006, 10, 1120-1130.	1.7	19
46	Prospects for developing an accurate diagnostic biomarker panel for low prevalence cancers. <i>Theoretical Biology and Medical Modelling</i> , 2014, 11, 34.	2.1	16
47	Hospital-level Variation in Utilization of Surgery for Clinical Stage I-II Pancreatic Adenocarcinoma. <i>Annals of Surgery</i> , 2019, 269, 133-142.	4.2	15
48	Association of time-to-surgery with outcomes in clinical stage I-II pancreatic adenocarcinoma treated with upfront surgery. <i>Surgery</i> , 2018, 163, 753-760.	1.9	14
49	Causes of Death and Conditional Survival Estimates of Medium- and Long-term Survivors of Pancreatic Adenocarcinoma. <i>JAMA Oncology</i> , 2018, 4, 1129.	7.1	14
50	Effects of ganciclovir treatment in a murine model of cytomegalovirus-induced hearing loss. <i>Laryngoscope</i> , 2020, 130, 1064-1069.	2.0	14
51	Does the National Board of Medical Examiners'™ Surgery Subtest level the playing field?. <i>American Journal of Surgery</i> , 2004, 188, 520-521.	1.8	13
52	Prognostic significance of PINCH signalling in human pancreatic ductal adenocarcinoma. <i>Hpb</i> , 2010, 12, 352-358.	0.3	13
53	Implications of inaccurate clinical nodal staging in pancreatic adenocarcinoma. <i>Surgery</i> , 2017, 162, 104-111.	1.9	13
54	Role of Free Radical Formation in Murine Cytomegalovirus-Induced Hearing Loss. <i>Otolaryngology - Head and Neck Surgery</i> , 2020, 162, 709-717.	1.9	13

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55	Natural History of Pancreatic Cancer Recurrence Following "Curative" Resection in Athymic Mice. <i>Journal of Surgical Research</i> , 2008, 149, 57-61.	1.6	12
56	Diminished Immune Surveillance during Histologic Progression of Intraductal Papillary Mucinous Neoplasms Offers a Therapeutic Opportunity for Cancer Interception. <i>Clinical Cancer Research</i> , 2022, 28, 1938-1947.	7.0	11
57	Violet 405-nm light: A novel therapeutic agent against β -lactam-resistant <i>Escherichia coli</i> . <i>Lasers in Surgery and Medicine</i> , 2016, 48, 311-317.	2.1	10
58	A conscious mouse model of gastric ileus using clinically relevant endpoints. <i>BMC Gastroenterology</i> , 2005, 5, 18.	2.0	9
59	Amelioration of hepatic inflammation in a mouse model of NASH using a dithiocarbamate derivative. <i>Hepatology International</i> , 2013, 7, 600-609.	4.2	9
60	County-level Variation in Use of Surgery and Cancer-specific Survival for Stage I-II Pancreatic Adenocarcinoma. <i>Annals of Surgery</i> , 2020, 272, 1102-1109.	4.2	9
61	Early Life Inflammation and the Developing Hematopoietic and Immune Systems: The Cochlea as a Sensitive Indicator of Disruption. <i>Cells</i> , 2021, 10, 3596.	4.1	9
62	Lymph Node Ratio in Pancreatic Adenocarcinoma After Preoperative Chemotherapy vs. Preoperative Chemoradiation and Its Utility in Decisions About Postoperative Chemotherapy. <i>Journal of Gastrointestinal Surgery</i> , 2019, 23, 1401-1413.	1.7	7
63	Comparative Analysis of Detection Methods for Congenital Cytomegalovirus Infection in a Guinea Pig Model. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2013, 139, 82.	2.2	6
64	Hearing loss caused by CMV infection is correlated with reduced endocochlear potentials caused by stria damage in murine models. <i>Hearing Research</i> , 2022, 417, 108454.	2.0	6
65	Role of cochlear synaptopathy in cytomegalovirus infected mice and in children. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2020, 138, 110275.	1.0	5
66	Correlating matrix metalloproteinase-9 sinus secretion levels with tissue biopsy levels. <i>International Forum of Allergy and Rhinology</i> , 2011, 1, 106-108.	2.8	3
67	Accuracy of Diagnosing PDA, Neuroendocrine Tumors, and IPMN by EUS-FNA at a Single Institution. <i>Journal of Gastroenterology and Hepatology Research</i> , 2015, 4, 1844-1849.	0.2	3
68	Conscious Sedation for Pediatric Peritonsillar Abscess: Comparison of Anesthetic Approaches. <i>Otolaryngology - Head and Neck Surgery</i> , 2019, 160, 706-711.	1.9	2
69	Airborne Aerosolized Mouse Cytomegalovirus From Common Otolaryngology Procedures: Implications for COVID-19 Infection. <i>Otolaryngology - Head and Neck Surgery</i> , 2021, 164, 547-555.	1.9	2
70	Histologic evaluation of therapeutic responses in ischemic myocardium elicited by dual growth factor delivery from composite glycosaminoglycan hydrogels. <i>Acta Histochemica</i> , 2021, 123, 151699.	1.8	2
71	Effect of Tympanostomy Tube Placement on Intraoperative Auditory Brainstem Response. <i>Journal of the American Academy of Audiology</i> , 2021, 32, 070-075.	0.7	2
72	A nomogram to predict pathologic lymph node positivity in clinical stage I-II pancreatic adenocarcinoma. <i>Journal of Clinical Oncology</i> , 2017, 35, 382-382.	1.6	1

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73	54 Validation of Infrared Thermography for Prediction of 21-day Burn Wound Healing. Journal of Burn Care and Research, 2020, 41, S35-S36.	0.4	0
74	Gadolinium-based contrast agent for Magnetic Resonance Imaging as a predictor of postmeningitic hearing loss in children. International Journal of Pediatric Otorhinolaryngology, 2021, 150, 110936.	1.0	0
75	Heparin-regulated growth factor release in vitro and angiogenesis in vivo from hyaluronan hydrogels. FASEB Journal, 2007, 21, A478.	0.5	0