

Joshua A Mccarroll

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

4,498
citations

147726

31
h-index

114418

63
g-index

80
all docs

80
docs citations

80
times ranked

7387
citing authors

#	ARTICLE	IF	CITATIONS
1	Desmoplastic Reaction in Pancreatic Cancer. <i>Pancreas</i> , 2004, 29, 179-187.	0.5	530
2	Movers and shakers: cell cytoskeleton in cancer metastasis. <i>British Journal of Pharmacology</i> , 2014, 171, 5507-5523.	2.7	453
3	Microtubules and Their Role in Cellular Stress in Cancer. <i>Frontiers in Oncology</i> , 2014, 4, 153.	1.3	296
4	Triptolide Induces Pancreatic Cancer Cell Death via Inhibition of Heat Shock Protein 70. <i>Cancer Research</i> , 2007, 67, 9407-9416.	0.4	278
5	Rat pancreatic stellate cells secrete matrix metalloproteinases: implications for extracellular matrix turnover. <i>Gut</i> , 2003, 52, 275-282.	6.1	244
6	Nucleic acid hybridization on an electrically reconfigurable network of gold-coated magnetic nanoparticles enables microRNA detection in blood. <i>Nature Nanotechnology</i> , 2018, 13, 1066-1071.	15.6	244
7	The role of NF- κ B activation in the pathogenesis of acute pancreatitis. <i>Gut</i> , 2008, 57, 259-267.	6.1	234
8	Vitamin A inhibits pancreatic stellate cell activation: implications for treatment of pancreatic fibrosis. <i>Gut</i> , 2006, 55, 79-89.	6.1	131
9	Role of pancreatic stellate cells in chemoresistance in pancreatic cancer. <i>Frontiers in Physiology</i> , 2014, 5, 141.	1.3	122
10	Dextran-Based Doxorubicin Nanocarriers with Improved Tumor Penetration. <i>Biomacromolecules</i> , 2014, 15, 262-275.	2.6	111
11	An Emerging Role for Tubulin Isoforms in Modulating Cancer Biology and Chemotherapy Resistance. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1434.	1.8	103
12	β -Tubulin Is a Multifunctional Protein Involved in Drug Sensitivity and Tumorigenesis in Non-Small Cell Lung Cancer. <i>Cancer Research</i> , 2010, 70, 4995-5003.	0.4	99
13	Effective Delivery of siRNA into Cancer Cells and Tumors Using Well-Defined Biodegradable Cationic Star Polymers. <i>Molecular Pharmaceutics</i> , 2013, 10, 2435-2444.	2.3	94
14	Cell migration: a novel aspect of pancreatic stellate cell biology. <i>Gut</i> , 2003, 52, 677-682.	6.1	94
15	Microtubule Dynamics, Mitotic Arrest, and Apoptosis: Drug-Induced Differential Effects of β -Tubulin. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 1339-1348.	1.9	89
16	Pancreatic Stellate Cell Activation by Ethanol and Acetaldehyde: Is it Mediated by the Mitogen-Activated Protein Kinase Signaling Pathway?. <i>Pancreas</i> , 2003, 27, 150-160.	0.5	79
17	Pancreatic stellate cell migration: role of the phosphatidylinositol 3-kinase (PI3-kinase) pathway. <i>Biochemical Pharmacology</i> , 2004, 67, 1215-1225.	2.0	75
18	Design and Creation of New Nanomaterials for Therapeutic RNAi. <i>ACS Chemical Biology</i> , 2007, 2, 237-241.	1.6	75

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19	<i>TUBB3</i> β III-Tubulin Acts through the PTEN/AKT Signaling Axis to Promote Tumorigenesis and Anoikis Resistance in Non-Small Cell Lung Cancer. <i>Cancer Research</i> , 2015, 75, 415-425.	0.4	72
20	A Rationally Optimized Nanoparticle System for the Delivery of RNA Interference Therapeutics into Pancreatic Tumors in Vivo. <i>Biomacromolecules</i> , 2016, 17, 2337-2351.	2.6	68
21	Nanotubes Functionalized with Lipids and Natural Amino Acid Dendrimers: A New Strategy to Create Nanomaterials for Delivering Systemic RNAi. <i>Bioconjugate Chemistry</i> , 2010, 21, 56-63.	1.8	65
22	Cancer-Associated Fibroblasts in Pancreatic Ductal Adenocarcinoma Determine Response to SLC7A11 Inhibition. <i>Cancer Research</i> , 2021, 81, 3461-3479.	0.4	62
23	Drug delivery: Beyond active tumour targeting. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1131-1137.	1.7	61
24	Silencing microRNA by interfering nanoparticles in mice. <i>Nucleic Acids Research</i> , 2011, 39, e38-e38.	6.5	59
25	RNAi-mediated stathmin suppression reduces lung metastasis in an orthotopic neuroblastoma mouse model. <i>Oncogene</i> , 2014, 33, 882-890.	2.6	59
26	Potential applications of nanotechnology for the diagnosis and treatment of pancreatic cancer. <i>Frontiers in Physiology</i> , 2014, 5, 2.	1.3	57
27	β III-Tubulin: A novel mediator of chemoresistance and metastases in pancreatic cancer. <i>Oncotarget</i> , 2015, 6, 2235-2249.	0.8	57
28	Therapeutic targeting of polo-like kinase 1 using RNA-interfering nanoparticles (iNOPs) for the treatment of non-small cell lung cancer. <i>Oncotarget</i> , 2015, 6, 12020-12034.	0.8	51
29	Targeting the undruggable in pancreatic cancer using nano-based gene silencing drugs. <i>Biomaterials</i> , 2020, 240, 119742.	5.7	46
30	Specific β -Tubulin Isoforms Can Functionally Enhance or Diminish Etoposide Sensitivity in Non-Small Cell Lung Cancer Cells. <i>PLoS ONE</i> , 2011, 6, e21717.	1.1	38
31	Targeted Doxorubicin-Loaded Bacterially Derived Nano-Cells for the Treatment of Neuroblastoma. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 1012-1023.	1.9	33
32	β III-Tubulin alters glucose metabolism and stress response signaling to promote cell survival and proliferation in glucose-starved non-small cell lung cancer cells. <i>Carcinogenesis</i> , 2016, 37, 787-798.	1.3	28
33	Facile synthesis of lactoferrin conjugated ultra small large pore silica nanoparticles for the treatment of glioblastoma. <i>Nanoscale</i> , 2021, 13, 16909-16922.	2.8	28
34	Ex vivo culture of intact human patient derived pancreatic tumour tissue. <i>Scientific Reports</i> , 2021, 11, 1944.	1.6	27
35	Stathmin mediates neuroblastoma metastasis in a tubulin-independent manner via RhoA/ROCK signaling and enhanced transendothelial migration. <i>Oncogene</i> , 2017, 36, 501-511.	2.6	25
36	Drugging MYCN Oncogenic Signaling through the MYCN-PA2G4 Binding Interface. <i>Cancer Research</i> , 2019, 79, 5652-5667.	0.4	24

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37	Exploiting base excision repair to improve therapeutic approaches for pancreatic cancer. <i>Frontiers in Nutrition</i> , 2015, 2, 10.	1.6	22
38	Pancreatic MAP Kinase Pathways and Acetaldehyde. <i>Novartis Foundation Symposium</i> , 2007, 285, 200-216.	1.2	21
39	Dicer-Labile PEG Conjugates for siRNA Delivery. <i>Biomacromolecules</i> , 2011, 12, 4301-4310.	2.6	20
40	Parathyroid hormone-related peptide modulates signal pathways in skin and hair follicle cells. <i>Experimental Dermatology</i> , 2003, 12, 389-395.	1.4	18
41	Delineating the Role of β -Tubulins in Pancreatic Cancer: β -Tubulin Inhibition Sensitizes Pancreatic Cancer Cells to Vinca Alkaloids. <i>Neoplasia</i> , 2016, 18, 753-764.	2.3	18
42	Identification of Novel Medulloblastoma Cell-Targeting Peptides for Use in Selective Chemotherapy Drug Delivery. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 2181-2193.	2.9	18
43	A novel small molecule that kills a subset of MLL-rearranged leukemia cells by inducing mitochondrial dysfunction. <i>Oncogene</i> , 2019, 38, 3824-3842.	2.6	17
44	The BET bromodomain inhibitor exerts the most potent synergistic anticancer effects with quinone-containing compounds and anti-microtubule drugs. <i>Oncotarget</i> , 2016, 7, 79217-79232.	0.8	17
45	β -Tubulin carboxy-terminal tails exhibit isotype-specific effects on microtubule dynamics in human gene-edited cells. <i>Life Science Alliance</i> , 2018, 1, e201800059.	1.3	17
46	In Vivo Delivery of RNAi by Reducible Interfering Nanoparticles (iNOPs). <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 720-723.	1.3	15
47	MutY-Homolog (MYH) inhibition reduces pancreatic cancer cell growth and increases chemosensitivity. <i>Oncotarget</i> , 2017, 8, 9216-9229.	0.8	13
48	The RNA Helicase DDX21 upregulates CEP55 expression and promotes neuroblastoma. <i>Molecular Oncology</i> , 2021, 15, 1162-1179.	2.1	12
49	Modulating the Selectivity and Stealth Properties of Ellipsoidal Polymersomes through a Multivalent Peptide Ligand Display. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000261.	3.9	11
50	Phenotypic screen for oxygen consumption rate identifies an anti-cancer naphthoquinone that induces mitochondrial oxidative stress. <i>Redox Biology</i> , 2020, 28, 101374.	3.9	9
51	The Use of Star Polymer Nanoparticles for the Delivery of siRNA to Mouse Orthotopic Pancreatic Tumor Models. <i>Methods in Molecular Biology</i> , 2019, 1974, 329-353.	0.4	8
52	Analyses of Tumor Burden In Vivo and Metastasis Ex Vivo Using Luciferase-Expressing Cancer Cells in an Orthotopic Mouse Model of Neuroblastoma. <i>Methods in Molecular Biology</i> , 2016, 1372, 61-77.	0.4	8
53	Design and Assembly of New Nonviral RNAi Delivery Agents by Microwave-Assisted Quaternization (MAQ) of Tertiary Amines. <i>Bioconjugate Chemistry</i> , 2010, 21, 1581-1587.	1.8	7
54	Block Co-polymer Nanoparticles with Degradable Cross-Linked Core and Low-Molecular-Weight PEG Corona for Anti-tumour Drug Delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 1001-1022.	1.9	6

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55	Does the Microenvironment Hold the Hidden Key for Functional Precision Medicine in Pancreatic Cancer?. <i>Cancers</i> , 2021, 13, 2427.	1.7	6
56	Intranasal Delivery of Recombinant S100A8 Protein Delays Lung Cancer Growth by Remodeling the Lung Immune Microenvironment. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	6
57	miR-99b-5p, miR-380-3p, and miR-485-3p are novel chemosensitizing miRNAs in high-risk neuroblastoma. <i>Molecular Therapy</i> , 2022, 30, 1119-1134.	3.7	5
58	Induction of muscle-regenerative multipotent stem cells from human adipocytes by PDGF-AB and 5-azacytidine. <i>Science Advances</i> , 2021, 7, .	4.7	3
59	Triptolide a potential therapeutic candidate for pancreatic cancer. <i>Journal of the American College of Surgeons</i> , 2007, 205, S94.	0.2	2
60	Î²III-Tubulin Structural Domains Regulate Mitochondrial Network Architecture in an Isotype-Specific Manner. <i>Cells</i> , 2022, 11, 776.	1.8	2
61	Dietary fat manipulation and signal transduction in ovine skin. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1998, 120, 571-577.	0.7	1
62	Microtubules, Drug Resistance, and Tumorigenesis. , 2012, , 223-240.		1
63	Oxidant stress induces the p38 mitogen activated protein kinase (p38 MAPK) signalling pathway in pancreatic stellate cells. <i>Gastroenterology</i> , 2003, 124, A616.	0.6	0
64	TRIPTOLIDE INHIBITS TUMOR GROWTH AND LOCAL-REGIONAL SPREAD IN VIVO VIA INCREASED APOPTOSIS AND DECREASED HEAT SHOCK PROTEIN 70 (HSP70). <i>Pancreas</i> , 2007, 35, 423.	0.5	0
65	DELIVERY OF siRNA TO PANCREATIC CANCER CELLS USING NOVEL NON-VIRAL BIODEGRADABLE NANOPARTICLES. <i>Pancreas</i> , 2007, 35, 416.	0.5	0
66	MutY-Homolog modulates pancreatic cancer cell survival and chemoresistance. <i>Pancreatology</i> , 2016, 16, S5.	0.5	0
67	Abstract 5026: Î²III-Tubulin regulates expression of proteins involved in tumorigenesis and metastasis in non-small cell lung cancer. , 2010, , .		0
68	Abstract 1969: Silencing Î±III-tubulin by RNA interfering nanoparticles in non-small cell lung cancer. , 2012, , .		0
69	Abstract 1444: Stathmin suppression influences ROCK signaling and reduces cell invasion and metastasis in neuroblastoma. , 2012, , .		0
70	Abstract 2076: Î²III-tubulin is required for the tumorigenic phenotype and resistance to anoikis via the PTEN/AKT signaling axis in non-small cell lung cancer. , 2014, , .		0
71	Abstract 4987: Stathmin regulates cell migration, invasion and transendothelial migration via RhoA activation in neuroblastoma. , 2014, , .		0
72	Abstract 326: Î²III-Tubulin and cell survival: Novel role in endoplasmic reticulum stress and autophagy in non-small cell lung cancer. , 2014, , .		0

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73	Abstract 5484: Structural domains of β -Tubulin regulate multiple stress responses and influence cell growth and survival in glucose-deprived non-small cell lung cancer. , 2017, , .		0
74	Abstract 4037: High throughput kinase inhibitor screen reveals novel inhibitor combinations acting in synergy with TUBB3/ β -tubulin suppression in non-small cell lung cancer. , 2017, , .		0