

John D Martin

List of Publications by Year in descending order

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42
papers

8,784
citations

186265

28
h-index

276875

41
g-index

44
all docs

44
docs citations

44
times ranked

12336
citing authors

#	ARTICLE	IF	CITATIONS
1	Multistage nanoparticle delivery system for deep penetration into tumor tissue. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2426-2431.	7.1	938
2	Normalization of tumour blood vessels improves the delivery of nanomedicines in a size-dependent manner. Nature Nanotechnology, 2012, 7, 383-388.	31.5	928
3	Vascular normalizing doses of antiangiogenic treatment reprogram the immunosuppressive tumor microenvironment and enhance immunotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17561-17566.	7.1	800
4	Angiotensin inhibition enhances drug delivery and potentiates chemotherapy by decompressing tumour blood vessels. Nature Communications, 2013, 4, 2516.	12.8	745
5	The Role of Mechanical Forces in Tumor Growth and Therapy. Annual Review of Biomedical Engineering, 2014, 16, 321-346.	12.3	742
6	Causes, consequences, and remedies for growth-induced solid stress in murine and human tumors. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15101-15108.	7.1	677
7	Improving cancer immunotherapy using nanomedicines: progress, opportunities and challenges. Nature Reviews Clinical Oncology, 2020, 17, 251-266.	27.6	408
8	Coevolution of Solid Stress and Interstitial Fluid Pressure in Tumors During Progression: Implications for Vascular Collapse. Cancer Research, 2013, 73, 3833-3841.	0.9	342
9	Obesity-Induced Inflammation and Desmoplasia Promote Pancreatic Cancer Progression and Resistance to Chemotherapy. Cancer Discovery, 2016, 6, 852-869.	9.4	318
10	Normalizing Function of Tumor Vessels: Progress, Opportunities, and Challenges. Annual Review of Physiology, 2019, 81, 505-534.	13.1	303
11	Solid stress and elastic energy as measures of tumour mechanopathology. Nature Biomedical Engineering, 2017, 1, .	22.5	280
12	Routine quantitative analysis of brain and cerebrospinal fluid spaces with MR imaging. Journal of Magnetic Resonance Imaging, 1992, 2, 619-629.	3.4	224
13	Targeting Placental Growth Factor/Neuropilin 1 Pathway Inhibits Growth and Spread of Medulloblastoma. Cell, 2013, 152, 1065-1076.	28.9	209
14	Role of vascular density and normalization in response to neoadjuvant bevacizumab and chemotherapy in breast cancer patients. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14325-14330.	7.1	206
15	Anti-VEGF therapy induces ECM remodeling and mechanical barriers to therapy in colorectal cancer liver metastases. Science Translational Medicine, 2016, 8, 360ra135.	12.4	184
16	Anti-vascular endothelial growth factor treatment normalizes tuberculosis granuloma vasculature and improves small molecule delivery. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1827-1832.	7.1	167
17	Compression of Pancreatic Tumor Blood Vessels by Hyaluronan Is Caused by Solid Stress and Not Interstitial Fluid Pressure. Cancer Cell, 2014, 26, 14-15.	16.8	155
18	Reprogramming the microenvironment with tumor-selective angiotensin blockers enhances cancer immunotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10674-10680.	7.1	150

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19	Modeling the Onset of Symptoms of COVID-19. <i>Frontiers in Public Health</i> , 2020, 8, 473.	2.7	145
20	Reengineering the Tumor Microenvironment to Alleviate Hypoxia and Overcome Cancer Heterogeneity. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2016, 6, a027094.	6.2	119
21	TGF- β 2 inhibition combined with cytotoxic nanomedicine normalizes triple negative breast cancer microenvironment towards anti-tumor immunity. <i>Theranostics</i> , 2020, 10, 1910-1922.	10.0	110
22	Quantum dot/antibody conjugates for in vivo cytometric imaging in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1350-1355.	7.1	109
23	Effects of Vascular-Endothelial Protein Tyrosine Phosphatase Inhibition on Breast Cancer Vasculature and Metastatic Progression. <i>Journal of the National Cancer Institute</i> , 2013, 105, 1188-1201.	6.3	101
24	Dexamethasone Increases Cisplatin-Loaded Nanocarrier Delivery and Efficacy in Metastatic Breast Cancer by Normalizing the Tumor Microenvironment. <i>ACS Nano</i> , 2019, 13, 6396-6408.	14.6	97
25	Spatial Charge Configuration Regulates Nanoparticle Transport and Binding Behavior In Vivo. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1414-1419.	13.8	81
26	Preclinical Efficacy of Ado-trastuzumab Emtansine in the Brain Microenvironment. <i>Journal of the National Cancer Institute</i> , 2016, 108, .	6.3	56
27	Normalizing the Microenvironment Overcomes Vessel Compression and Resistance to Nanoimmunotherapy in Breast Cancer Lung Metastasis. <i>Advanced Science</i> , 2021, 8, 2001917.	11.2	52
28	Effective treatment of drug resistant recurrent breast tumors harboring cancer stem-like cells by staurosporine/epirubicin co-loaded polymeric micelles. <i>Journal of Controlled Release</i> , 2017, 264, 127-135.	9.9	29
29	Modeling the onset of symptoms of COVID-19: Effects of SARS-CoV-2 variant. <i>PLoS Computational Biology</i> , 2021, 17, e1009629.	3.2	17
30	Remodeling tumor microenvironment with nanomedicines. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021, 13, e1730.	6.1	16
31	Clinical Utility of Histological and Radiological Evaluations of Tumor Necrosis for Predicting Prognosis in Pancreatic Cancer. <i>Pancreas</i> , 2020, 49, 634-641.	1.1	12
32	Proteasome Inhibitor-Loaded Micelles Enhance Antitumor Activity Through Macrophage Reprogramming by NF- κ B Inhibition. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 2438-2446.	3.3	9
33	A phase II study of preoperative (preop) bevacizumab (bev) followed by dose-dense (dd) doxorubicin (A)/cyclophosphamide (C)/paclitaxel (T) in combination with bev in HER2-negative operable breast cancer (BC).. <i>Journal of Clinical Oncology</i> , 2012, 30, 1026-1026.	1.6	9
34	Endothelin Inhibition Potentiates Cancer Immunotherapy Revealing Mechanical Biomarkers Predictive of Response. <i>Advanced Therapeutics</i> , 2021, 4, 2000289.	3.2	8
35	Towards Immunotherapy-Induced Normalization of the Tumor Microenvironment. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	3.7	7
36	Normalizing the Tumor Microenvironment for Radiosensitization. <i>Cancer Drug Discovery and Development</i> , 2020, , 301-338.	0.4	4

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37	Multiphoton Phosphorescence Quenching Microscopy Reveals Kinetics of Tumor Oxygenation during Antiangiogenesis and Angiotensin Signaling Inhibition. Clinical Cancer Research, 2022, 28, 3076-3090.	7.0	4
38	Tumor Microenvironment. , 2020, , 108-126.e7.		3
39	Histological tumor necrosis in pancreatic cancer after neoadjuvant therapy. Oncology Reports, 2022, 48, .	2.6	2
40	Going Beyond VEGF Pathway Inhibition for Antiangiogenic Cancer Therapy. Circulation Research, 2020, 127, 724-726.	4.5	1
41	Optimal Therapy Design With Tumor Microenvironment Normalization. AICHE Journal, 0, , .	3.6	1
42	Differential changes in tissue biomarkers after bevacizumab (BEV) alone in a neoadjuvant study of BEV and chemotherapy in ER+ breast cancer (BC) versus triple-negative breast cancer (TNBC) patients (pts).. Journal of Clinical Oncology, 2013, 31, 1065-1065.	1.6	0