

# Trevor McKee

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

3,993  
citations

236612

25  
h-index

223531

46  
g-index

52  
all docs

52  
docs citations

52  
times ranked

6298  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic imaging of collagen and its modulation in tumors in vivo using second-harmonic generation. <i>Nature Medicine</i> , 2003, 9, 796-800.	15.2	798
2	Role of tumor-host interactions in interstitial diffusion of macromolecules: Cranial vs. subcutaneous tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 4628-4633.	3.3	529
3	Diffusion and Convection in Collagen Gels: Implications for Transport in the Tumor Interstitium. <i>Biophysical Journal</i> , 2002, 83, 1650-1660.	0.2	457
4	Degradation of Fibrillar Collagen in a Human Melanoma Xenograft Improves the Efficacy of an Oncolytic Herpes Simplex Virus Vector. <i>Cancer Research</i> , 2006, 66, 2509-2513.	0.4	363
5	Reprogramming Metabolism with Metformin Improves Tumor Oxygenation and Radiotherapy Response. <i>Clinical Cancer Research</i> , 2013, 19, 6741-6750.	3.2	268
6	Two-photon fluorescence correlation microscopy reveals the two-phase nature of transport in tumors. <i>Nature Medicine</i> , 2004, 10, 203-207.	15.2	163
7	GLUT1 inhibition blocks growth of RB1-positive triple negative breast cancer. <i>Nature Communications</i> , 2020, 11, 4205.	5.8	130
8	In vivo imaging of extracellular matrix remodeling by tumor-associated fibroblasts. <i>Nature Methods</i> , 2009, 6, 143-145.	9.0	120
9	Prkar1a is an osteosarcoma tumor suppressor that defines a molecular subclass in mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 3310-3325.	3.9	89
10	Mice with Tissue Inhibitor of Metalloproteinases 4 (Timp4) Deletion Succumb to Induced Myocardial Infarction but Not to Cardiac Pressure Overload. <i>Journal of Biological Chemistry</i> , 2010, 285, 24487-24493.	1.6	80
11	Solid stress facilitates spheroid formation: potential involvement of hyaluronan. <i>British Journal of Cancer</i> , 2002, 86, 947-953.	2.9	69
12	Towards extracellular matrix normalization for improved treatment of solid tumors. <i>Theranostics</i> , 2020, 10, 1960-1980.	4.6	68
13	RANKL blockade prevents and treats aggressive osteosarcomas. <i>Science Translational Medicine</i> , 2015, 7, 317ra197.	5.8	67
14	Cross-species genomics identifies DLG2 as a tumor suppressor in osteosarcoma. <i>Oncogene</i> , 2019, 38, 291-298.	2.6	65
15	Multiplexed imaging of immune cells in staged multiple sclerosis lesions by mass cytometry. <i>ELife</i> , 2019, 8, .	2.8	56
16	Radiation and Heat Improve the Delivery and Efficacy of Nanotherapeutics by Modulating Intratumoral Fluid Dynamics. <i>ACS Nano</i> , 2018, 12, 7583-7600.	7.3	55
17	Lack of Telopeptides in Fibrillar Collagen I Promotes the Invasion of a Metastatic Breast Tumor Cell Line. <i>Cancer Research</i> , 2005, 65, 5674-5682.	0.4	50
18	Evofosfamide for the treatment of human papillomavirus-negative head and neck squamous cell carcinoma. <i>JCI Insight</i> , 2018, 3, .	2.3	44

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19	Acute Kidney Injury in Severe COVID-19 Has Similarities to Sepsis-Associated Kidney Injury. <i>Mayo Clinic Proceedings</i> , 2021, 96, 2561-2575.	1.4	41
20	A Progesterone-CXCR4 Axis Controls Mammary Progenitor Cell Fate in the Adult Gland. <i>Stem Cell Reports</i> , 2015, 4, 313-322.	2.3	38
21	Isotopologous Organotellurium Probes Reveal Dynamic Hypoxia In Vivo with Cellular Resolution. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13159-13163.	7.2	32
22	Irradiation reduces interstitial fluid transport and increases the collagen content in tumors. <i>Clinical Cancer Research</i> , 2003, 9, 5508-13.	3.2	32
23	Resistance to dual blockade of the kinases PI3K and mTOR in <i>KRAS</i> -mutant colorectal cancer models results in combined sensitivity to inhibition of the receptor tyrosine kinase EGFR. <i>Science Signaling</i> , 2014, 7, ra107.	1.6	30
24	Quantitative Visualization of Hypoxia and Proliferation Gradients Within Histological Tissue Sections. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 397.	2.0	28
25	Prognostic influence of tumor microenvironment after hypofractionated radiation and surgery for mesothelioma. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 2082-2091.e1.	0.4	28
26	MATE2 Expression Is Associated with Cancer Cell Response to Metformin. <i>PLoS ONE</i> , 2016, 11, e0165214.	1.1	25
27	The mTOR Targets 4E-BP1/2 Restrain Tumor Growth and Promote Hypoxia Tolerance in PTEN-driven Prostate Cancer. <i>Molecular Cancer Research</i> , 2018, 16, 682-695.	1.5	24
28	Evaluation of optimal biopsy location for assessment of histological activity, transcriptomic and immunohistochemical analyses in patients with active Crohn's disease. <i>Alimentary Pharmacology and Therapeutics</i> , 2019, 49, 1401-1409.	1.9	21
29	Administration of Hypoxia-Activated Prodrug Evofosfamide after Conventional Adjuvant Therapy Enhances Therapeutic Outcome and Targets Cancer-Initiating Cells in Preclinical Models of Colorectal Cancer. <i>Clinical Cancer Research</i> , 2018, 24, 2116-2127.	3.2	20
30	Role of chemokines in metastatic niche: new insights along with a diagnostic and prognostic approach. <i>Apmis</i> , 2018, 126, 359-370.	0.9	19
31	Thermosensitive liposomal cisplatin in combination with local hyperthermia results in tumor growth delay and changes in tumor microenvironment in xenograft models of lung carcinoma. <i>Journal of Drug Targeting</i> , 2016, 24, 865-877.	2.1	18
32	Variations in the Abundance of Lipid Biomarker Ions in Mass Spectrometry Images Correlate to Tissue Density. <i>Analytical Chemistry</i> , 2016, 88, 12099-12107.	3.2	16
33	Metalloprotease inhibitor TIMP proteins control FGF-2 bioavailability and regulate skeletal growth. <i>Journal of Cell Biology</i> , 2019, 218, 3134-3152.	2.3	16
34	Correlation of Somatostatin Receptor-2 Expression with Gallium-68-DOTA-TATE Uptake in Neuroblastoma Xenograft Models. <i>Contrast Media and Molecular Imaging</i> , 2017, 2017, 1-10.	0.4	15
35	Identification of RSK and TTK as Modulators of Blood Vessel Morphogenesis Using an Embryonic Stem Cell-Based Vascular Differentiation Assay. <i>Stem Cell Reports</i> , 2016, 7, 787-801.	2.3	14
36	Nanoparticle Formulation Derived from Carboxymethyl Cellulose, Polyethylene Glycol, and Cabazitaxel for Chemotherapy Delivery to the Brain. <i>Bioconjugate Chemistry</i> , 2018, 29, 2009-2020.	1.8	14

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37	Computationally-Guided Development of a Stromal Inflammation Histologic Biomarker in Lung Squamous Cell Carcinoma. <i>Scientific Reports</i> , 2018, 8, 3941.	1.6	11
38	Discoidin domain receptor 1-deletion ameliorates fibrosis and promotes adipose tissue beiging, brown fat activity, and increased metabolic rate in a mouse model of cardiometabolic disease. <i>Molecular Metabolism</i> , 2020, 39, 101006.	3.0	10
39	Neoadjuvant olaparib targets hypoxia to improve radioresponse in a homologous recombination-proficient breast cancer model. <i>Oncotarget</i> , 2017, 8, 87638-87646.	0.8	10
40	Isotopologous Organotellurium Probes Reveal Dynamic Hypoxia In Vivo with Cellular Resolution. <i>Angewandte Chemie</i> , 2016, 128, 13353-13357.	1.6	9
41	Pentraxin 3 deficiency enhances features of chronic rejection in a mouse orthotopic lung transplantation model. <i>Oncotarget</i> , 2018, 9, 8489-8501.	0.8	9
42	The expression of CD markers in solid tumors: Significance in metastasis and prognostic value. <i>Histology and Histopathology</i> , 2018, 33, 1005-1012.	0.5	9
43	Blocking the G1TR-G1TRL pathway to overcome resistance to therapy in sarcomatoid malignant pleural mesothelioma. <i>Communications Biology</i> , 2021, 4, 914.	2.0	7
44	Tracking adiponectin biodistribution via fluorescence molecular tomography indicates increased vascular permeability after streptozotocin-induced diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E760-E772.	1.8	5
45	Heterogeneity of Circulating Tumor Cell-associated Genomic Gains in Breast Cancer and Its Association with the Host Immune Response. <i>Cancer Research</i> , 2021, 81, 6196-6206.	0.4	5
46	QUANTIFYING NANOPARTICLE TRANSPORT <i>IN VIVO</i> USING HYPERSPECTRAL IMAGING WITH A DORSAL SKINFOLD WINDOW CHAMBER. <i>Journal of Innovative Optical Health Sciences</i> , 2012, 05, 1250023.	0.5	4
47	SP-0337: Understanding and targeting the underlying drivers of tumor hypoxia. <i>Radiotherapy and Oncology</i> , 2018, 127, S178.	0.3	0
48	A Phase 2 biomarker-enriched study of evofosfamide (TH-302) in patients with advanced melanoma.. <i>Journal of Clinical Oncology</i> , 2015, 33, TPS9089-TPS9089.	0.8	0
49	Development and Validation of a Digital Analysis Method to Quantify CD3-immunostained T Lymphocytes in Whole Slide Images of Crohn's Disease Biopsies. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2022, Publish Ahead of Print, .	0.6	0