Matthew T Mckenna

List of Publications by Year
in descending order

19 papers	366 citations	1163117 8 h-index	1281871 11 g-index
19 all docs	19 docs citations	19 times ranked	530 citing authors

#	ARTICLE	IF	CITATIONS
1	Validation and estimation of spleen volume via computer-assisted segmentation on clinically acquired CT scans. Journal of Medical Imaging, 2021, 8, 014004.	1.5	4
2	Leveraging Mathematical Modeling to Quantify Pharmacokinetic and Pharmacodynamic Pathways: Equivalent Dose Metric. Frontiers in Physiology, 2019, 10, 616.	2.8	7
3	Experimentally-driven mathematical modeling to improve combination targeted and cytotoxic therapy for HER2+ breast cancer. Scientific Reports, 2019, 9, 12830.	3.3	34
4	Mechanism-Based Modeling of Tumor Growth and Treatment Response Constrained by Multiparametric Imaging Data. JCO Clinical Cancer Informatics, 2019, 3, 1-10.	2.1	23
5	Quantitative imaging to guide mechanism-based modeling of cancer. , 2019, , 369-385.		1
6	Variable Cell Line Pharmacokinetics Contribute to Non-Linear Treatment Response in Heterogeneous Cell Populations. Annals of Biomedical Engineering, 2018, 46, 899-911.	2.5	5
7	Precision Medicine with Imprecise Therapy: Computational Modeling for Chemotherapy in Breast Cancer. Translational Oncology, 2018, 11, 732-742.	3.7	32
8	Mathematical models of tumor cell proliferation: A review of the literature. Expert Review of Anticancer Therapy, 2018, 18, 1271-1286.	2.4	91
9	A Predictive Mathematical Modeling Approach for the Study of Doxorubicin Treatment in Triple Negative Breast Cancer. Scientific Reports, 2017, 7, 5725.	3.3	37
10	Abstract A14: Predicting the response of triple negative breast cancer to doxorubicin. , 2017, , .		0
11	Abstract A22: A window into 3D culture: A multi-modal imaging compatible bioreactor for developing tumor growth models. , 2017, , .		0
12	Abstract 776: Multiscale treatment response model for triple-negative breast cancer linking drug pharmacokinetics to tumor cell population dynamics. , 2016, , .		0
13	Visual Phrase Learning and Its Application in Computed Tomographic Colonography. Lecture Notes in Computer Science, 2013, 16, 243-250.	1.3	0
14	Distributed Human Intelligence for Colonic Polyp Classification in Computer-aided Detection for CT Colonography. Radiology, 2012, 262, 824-833.	7.3	73
15	Computer vision approach to detect colonic polyps in computed tomographic colonography. Proceedings of SPIE, 2012, , .	0.8	0
16	ROC-like optimization by sample ranking: Application to CT colonography. , 2012, , .		1
17	Strategies for improved interpretation of computer-aided detections for CT colonography utilizing distributed human intelligence. Medical Image Analysis, 2012, 16, 1280-1292.	11.6	33
18	Seeing Is Believing: Video Classification for Computed Tomographic Colonography Using Multiple-Instance Learning. IEEE Transactions on Medical Imaging, 2012, 31, 1141-1153.	8.9	13

#	Article	IF	Citations
19	Fusion of machine intelligence and human intelligence for colonic polyp detection in CT colonography. , 2011, , .		12