Brian Helba

List of Publications by Year
in descending order

13 papers	2,182 citations	1039880 9 h-index	1372474 10 g-index
14 all docs	14 docs citations	14 times ranked	1987 citing authors

#	Article	IF	Citations
1	Skin lesion analysis toward melanoma detection: A challenge at the 2017 International symposium on biomedical imaging (ISBI), hosted by the international skin imaging collaboration (ISIC). , 2018, , .		896
2	Comparison of the accuracy of human readers versus machine-learning algorithms for pigmented skin lesion classification: an open, web-based, international, diagnostic study. Lancet Oncology, The, 2019, 20, 938-947.	5.1	318
3	A multimodal cell census and atlas of the mammalian primary motor cortex. Nature, 2021, 598, 86-102.	13.7	316
4	Results of the 2016 International Skin Imaging Collaboration International Symposium on Biomedical Imaging challenge: Comparison of the accuracy of computer algorithms to dermatologists for the diagnosis of melanoma from dermoscopic images. Journal of the American Academy of Dermatology, 2018, 78, 270-277.e1.	0.6	236
5	A patient-centric dataset of images and metadata for identifying melanomas using clinical context. Scientific Data, 2021, 8, 34.	2.4	165
6	Checklist for Evaluation of Image-Based Artificial Intelligence Reports in Dermatology. JAMA Dermatology, 2022, 158, 90.	2.0	71
7	Computer algorithms show potential for improving dermatologists' accuracy to diagnose cutaneous melanoma: Results of the International Skin Imaging Collaboration 2017. Journal of the American Academy of Dermatology, 2020, 82, 622-627.	0.6	68
8	Validation of artificial intelligence prediction models for skin cancer diagnosis using dermoscopy images: the 2019 International Skin Imaging Collaboration Grand Challenge. The Lancet Digital Health, 2022, 4, e330-e339.	5.9	38
9	A modular computational framework for medical digital twins. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	35
10	Tumor volume measurement error using computed tomography imaging in a phase II clinical trial in lung cancer. Journal of Medical Imaging, 2016, 3, 035505.	0.8	18
11	Multi-scale classification based lesion segmentation for dermoscopic images. , 2016, 2016, 1361-1364.		2
12	Simultaneous Estimation of Bias and Resolution in PET Images with a Long-Lived â€œPocketâ€•Phantom System. Tomography, 2018, 4, 33-41.	0.8	1
13	A New Platform for Quantitative CT Imaging Dose Optimization. , 2013, , .		0