Joshua J Levy

List of Publications by Citations

21 papers	**94** citations	**5** h-index	**9** g-index
47 ext. papers	**251** ext. citations	**4.6** avg, IF	**3.02** L-index

#	Paper	IF	Citations
21	MethylNet: an automated and modular deep learning approach for DNA methylation analysis. *BMC Bioinformatics*, **2020**, 21, 108	3.6	23
20	Gradual polyploid genome evolution revealed by pan-genomic analysis of Brachypodium hybridum and its diploid progenitors. *Nature Communications*, **2020**, 11, 3670	17.4	22
19	Don␣ dismiss logistic regression: the case for sensible extraction of interactions in the era of machine learning. *BMC Medical Research Methodology*, **2020**, 20, 171	4.7	10
18	A large-scale internal validation study of unsupervised virtual trichrome staining technologies on nonalcoholic steatohepatitis liver biopsies. *Modern Pathology*, **2021**, 34, 808-822	9.8	7
17	PyMethylProcess-convenient high-throughput preprocessing workflow for DNA methylation data. *Bioinformatics*, **2019**, 35, 5379-5381	7.2	6
16	PathFlowAI: A High-Throughput Workflow for Preprocessing, Deep Learning and Interpretation in Digital Pathology. *Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing*, **2020**, 25, 403-414	1.3	5
15	Topological Feature Extraction and Visualization of Whole Slide Images using Graph Neural Networks. *Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing*, **2021**, 26, 285-296	1.3	3
14	Preliminary Evaluation of the Utility of Deep Generative Histopathology Image Translation at a Mid-Sized NCI Cancer Center		3
13	PolyCRACKER, a robust method for the unsupervised partitioning of polyploid subgenomes by signatures of repetitive DNA evolution. *BMC Genomics*, **2019**, 20, 580	4.5	2
12	PathFlow-MixMatch for Whole Slide Image Registration: An Investigation of a Segment-Based Scalable Image Registration Method		2
11	Journey across epidemiology␣ third variables: an anesthesiologist␣ guide for successfully navigating confounding, mediation, and effect modification. *Regional Anesthesia and Pain Medicine*, **2021**, 46, 936-940	3.4	2
10	Using molecular testing to improve the management of thyroid nodules with indeterminate cytology: an institutional experience with review of molecular alterations. *Journal of the American Society of Cytopathology*, **2021**,	2.4	2
9	Does the timing of postoperative showering impact infection rates? A systematic review and meta-analysis. *Journal of Plastic, Reconstructive and Aesthetic Surgery*, **2020**, 73, 1306-1311	1.7	1
8	Comparison of Machine-Learning Algorithms for the Prediction of Current Procedural Terminology (CPT) Codes from Pathology Reports.. *Journal of Pathology Informatics*, **2022**, 13, 3	4.4	1
7	Comparison of Machine Learning Algorithms for the Prediction of Current Procedural Terminology (CPT) Codes from Pathology Reports		1
6	Artificial Intelligence in Anatomic Pathology. *Advances in Molecular Pathology*, **2021**, 4, 145-171	0.3	0
5	Evaluating the mediating effects of perceived vulnerability to disease in the relation between disgust and contamination-based OCD. *Journal of Anxiety Disorders*, **2021**, 79, 102384	10.9	0

LIST OF PUBLICATIONS

4	Atypia of undetermined significance in thyroid cytology: Nuclear atypia and architectural atypia are associated with different molecular alterations and risks of malignancy. *Cancer Cytopathology*, **2021**, 129, 966-972	3.9	0
3	MethylSPWNet and MethylCapsNet: Biologically Motivated Organization of DNAm Neural Networks, Inspired by Capsule Networks. *Npj Systems Biology and Applications*, **2021**, 7, 33	5	0
2	DNA 5-hydroxymethylcytosine in pediatric central nervous system tumors may impact tumor classification and is a positive prognostic marker. *Clinical Epigenetics*, **2021**, 13, 176	7.7	0
1	Mixed Effects Machine Learning Models for Colon Cancer Metastasis Prediction using Spatially Localized Immuno-Oncology Markers. *Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing*, **2022**, 27, 175-186	1.3	