Joshua J Levy

List of Publications by Year in Descending Order

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	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
20	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	
19	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
18	Artificial Intelligence in Anatomic Pathology. *Advances in Molecular Pathology*, **2021**, 4, 145-171	0.3	0
17	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
16	Journey across epidemiologyís third variables: an anesthesiologistís guide for successfully navigating confounding, mediation, and effect modification. *Regional Anesthesia and Pain Medicine*, **2021**, 46, 936-940	3.4	2
15	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
14	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
13	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
12	MethylSPWNet and MethylCapsNet: Biologically Motivated Organization of DNAm Neural Networks, Inspired by Capsule Networks. *Npj Systems Biology and Applications*, **2021**, 7, 33	5	0
11	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
10	MethylNet: an automated and modular deep learning approach for DNA methylation analysis. *BMC Bioinformatics*, **2020**, 21, 108	3.6	23
9	Donít 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
8	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
7	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
6	Gradual polyploid genome evolution revealed by pan-genomic analysis of Brachypodium hybridum and its diploid progenitors. *Nature Communications*, **2020**, 11, 3670	17.4	22
5	PyMethylProcess-convenient high-throughput preprocessing workflow for DNA methylation data. *Bioinformatics*, **2019**, 35, 5379-5381	7.2	6

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4	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
3	Preliminary Evaluation of the Utility of Deep Generative Histopathology Image Translation at a Mid-Sized NCI Cancer Center		3
2	PathFlow-MixMatch for Whole Slide Image Registration: An Investigation of a Segment-Based Scalable Image Registration Method		2
1	Comparison of Machine Learning Algorithms for the Prediction of Current Procedural Terminology (CPT) Codes from Pathology Reports		1