Imon Banerjee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3989020/publications.pdf

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46	1,271	471509	395702
papers	citations	17 h-index	33 g-index

51	51	51	1030
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fusion of medical imaging and electronic health records using deep learning: a systematic review and implementation guidelines. Npj Digital Medicine, 2020, 3, 136.	10.9	266
2	AI recognition of patient race in medical imaging: a modelling study. The Lancet Digital Health, 2022, 4, e406-e414.	12.3	141
3	Multimodal fusion with deep neural networks for leveraging CT imaging and electronic health record: a case-study in pulmonary embolism detection. Scientific Reports, 2020, 10, 22147.	3.3	83
4	PENetâ€"a scalable deep-learning model for automated diagnosis of pulmonary embolism using volumetric CT imaging. Npj Digital Medicine, 2020, 3, 61.	10.9	72
5	Multi-Institutional Validation of a Mammography-Based Breast Cancer Risk Model. Journal of Clinical Oncology, 2022, 40, 1732-1740.	1.6	71
6	Radiology report annotation using intelligent word embeddings: Applied to multi-institutional chest CT cohort. Journal of Biomedical Informatics, 2018, 77, 11-20.	4.3	61
7	Development and Performance of the Pulmonary Embolism Result Forecast Model (PERFORM) for Computed Tomography Clinical Decision Support. JAMA Network Open, 2019, 2, e198719.	5.9	50
8	Natural Language Processing Approaches to Detect the Timeline of Metastatic Recurrence of Breast Cancer. JCO Clinical Cancer Informatics, 2019, 3, 1-12.	2.1	43
9	Prediction of age-related macular degeneration disease using a sequential deep learning approach on longitudinal SD-OCT imaging biomarkers. Scientific Reports, 2020, 10, 15434.	3.3	37
10	Current Clinical Applications of Artificial Intelligence in Radiology and Their Best Supporting Evidence. Journal of the American College of Radiology, 2020, 17, 1371-1381.	1.8	37
11	Weakly supervised natural language processing for assessing patient-centered outcome following prostate cancer treatment. JAMIA Open, 2019, 2, 150-159.	2.0	35
12	Optimizing risk-based breast cancer screening policies with reinforcement learning. Nature Medicine, 2022, 28, 136-143.	30.7	34
13	Automatic information extraction from unstructured mammography reports using distributed semantics. Journal of Biomedical Informatics, 2018, 78, 78-86.	4.3	33
14	Automated Detection of Measurements and Their Descriptors in Radiology Reports Using a Hybrid Natural Language Processing Algorithm. Journal of Digital Imaging, 2019, 32, 544-553.	2.9	30
15	Relevance feedback for enhancing content based image retrieval and automatic prediction of semantic image features: Application to bone tumor radiographs. Journal of Biomedical Informatics, 2018, 84, 123-135.	4.3	29
16	Natural Language Processing to Identify Cancer Treatments With Electronic Medical Records. JCO Clinical Cancer Informatics, 2021, 5, 379-393.	2.1	21
17	Patient-specific COVID-19 resource utilization prediction using fusion AI model. Npj Digital Medicine, 2021, 4, 94.	10.9	19
18	Intelligent Word Embeddings of Free-Text Radiology Reports. AMIA ... Annual Symposium proceedings, 2017, 2017, 411-420.	0.2	19

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19	Probabilistic Prognostic Estimates of Survival in Metastatic Cancer Patients (PPES-Met) Utilizing Free-Text Clinical Narratives. Scientific Reports, 2018, 8, 10037.	3.3	18
20	Beyond the Artificial Intelligence Hype. Journal of Thoracic Imaging, 2020, 35, S3-S10.	1.5	17
21	Overview of Noninterpretive Artificial Intelligence Models for Safety, Quality, Workflow, and Education Applications in Radiology Practice. Radiology: Artificial Intelligence, 2022, 4, e210114.	5.8	17
22	Automatic inference of BI-RADS final assessment categories from narrative mammography report findings. Journal of Biomedical Informatics, 2019, 92, 103137.	4.3	14
23	Development and Use of Natural Language Processing for Identification of Distant Cancer Recurrence and Sites of Distant Recurrence Using Unstructured Electronic Health Record Data. JCO Clinical Cancer Informatics, 2021, 5, 469-478.	2.1	14
24	A Scalable Natural Language Processing for Inferring BT-RADS Categorization from Unstructured Brain Magnetic Resonance Reports. Journal of Digital Imaging, 2020, 33, 1393-1400.	2.9	13
25	Phenotyping severity of patientâ€centered outcomes using clinical notes: A prostate cancer use case. Learning Health Systems, 2020, 4, e10237.	2.0	11
26	Weakly supervised temporal model for prediction of breast cancer distant recurrence. Scientific Reports, 2021, 11, 9461.	3.3	11
27	Semantic annotation of 3D anatomical models to support diagnosis and follow-up analysis of musculoskeletal pathologies. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 707-720.	2.8	10
28	Assessing treatment response in triple-negative breast cancer from quantitative image analysis in perfusion magnetic resonance imaging. Journal of Medical Imaging, 2017, 5, 1.	1.5	10
29	Extracting Patient-Centered Outcomes from Clinical Notes in Electronic Health Records: Assessment of Urinary Incontinence After Radical Prostatectomy. EGEMS (Washington, DC), 2019, 7, 43.	2.0	8
30	Clinical Documentation to Predict Factors Associated with Urinary Incontinence Following Prostatectomy for Prostate Cancer . Research and Reports in Urology, 2020, Volume 12, 7-14.	1.0	5
31	Natural language processing of head CT reports to identify intracranial mass effect: CTIME algorithm. American Journal of Emergency Medicine, 2021, 51, 388-392.	1.6	5
32	A Scalable Machine Learning Approach for Inferring Probabilistic US-LI-RADS Categorization. AMIA ... Annual Symposium proceedings, 2018, 2018, 215-224.	0.2	5
33	Generation of 3D Canonical Anatomical Models: An Experience on Carpal Bones. Lecture Notes in Computer Science, 2015, , 167-174.	1.3	4
34	Semantic Annotation of Patient-Specific 3D Anatomical Models. , 2015, , .		3
35	Automatic Localization and Brand Detection of Cervical Spine Hardware on Radiographs Using Weakly Supervised Machine Learning. Radiology: Artificial Intelligence, 2022, 4, e210099.	5.8	3
36	Margin-aware intraclass novelty identification for medical images. Journal of Medical Imaging, 2022, 9, 014004.	1.5	3

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37	Semantics-driven annotation of patient-specific 3D data: a step to assist diagnosis and treatment of rheumatoid arthritis. Visual Computer, 2016, 32, 1337-1349.	3.5	2
38	Computerized Prediction of Radiological Observations Based on Quantitative Feature Analysis: Initial Experience in Liver Lesions. Journal of Digital Imaging, 2017, 30, 506-518.	2.9	2
39	Query bot for retrieving patientsâ€™ clinical history: A COVID-19 use-case. Journal of Biomedical Informatics, 2021, 123, 103918.	4.3	1
40	Natural Language Processing for Cardiovascular Applications. Contemporary Medical Imaging, 2022, , 231-243.	0.4	1
41	GAN augmentation for multiclass image classification using hemorrhage detection as a case-study. Journal of Medical Imaging, 2022, 9, .	1.5	1
42	Assessing perceived effectiveness of career development efforts led by the women in American Medical Informatics Association Initiative. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 1593-1606.	4.4	1
43	Reply to Ritzwoller et al. JCO Clinical Cancer Informatics, 2021, 5, 1026-1027.	2.1	0
44	7.5nJ/inference CMOS Echo State Network for Coronary Heart Disease prediction. , 2021, , .		0
45	7.5nJ/inference CMOS Echo State Network for Coronary Heart Disease prediction. , 2021, , .		0
46	A Fusion NLP Model for the Inference of Standardized Thyroid Nodule Malignancy Scores from Radiology Report Text.. AMIA ... Annual Symposium proceedings, 2021, 2021, 1079-1088.	0.2	0