

John Guttag

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,352
citations

686830

13
h-index

887659

17
g-index

23
all docs

23
docs citations

23
times ranked

2283
citing authors

#	ARTICLE	IF	CITATIONS
1	A Micro-Power EEG Acquisition SoC With Integrated Feature Extraction Processor for a Chronic Seizure Detection System. IEEE Journal of Solid-State Circuits, 2010, 45, 804-816.	3.5	441
2	An Unsupervised Learning Model for Deformable Medical Image Registration. , 2018, , .		414
3	Abstract data types and the development of data structures. Communications of the ACM, 1977, 20, 396-404.	3.3	365
4	Patient-specific seizure onset detection. Epilepsy and Behavior, 2004, 5, 483-498.	0.9	256
5	Unsupervised learning of probabilistic diffeomorphic registration for images and surfaces. Medical Image Analysis, 2019, 57, 226-236.	7.0	191
6	A Generalizable, Data-Driven Approach to Predict Daily Risk of Clostridium difficile Infection at Two Large Academic Health Centers. Infection Control and Hospital Epidemiology, 2018, 39, 425-433.	1.0	104
7	A study in transfer learning: leveraging data from multiple hospitals to enhance hospital-specific predictions. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 699-706.	2.2	90
8	A Framework for the Analysis of Acoustical Cardiac Signals. IEEE Transactions on Biomedical Engineering, 2007, 54, 651-662.	2.5	79
9	NON-INVASIVE COMPUTERIZED SYSTEM FOR AUTOMATICALLY INITIATING VAGUS NERVE STIMULATION FOLLOWING PATIENT-SPECIFIC DETECTION OF SEIZURES OR EPILEPTIFORM DISCHARGES. International Journal of Neural Systems, 2009, 19, 157-172.	3.2	78
10	An algorithm for seizure onset detection using intracranial EEG. Epilepsy and Behavior, 2011, 22, S29-S35.	0.9	71
11	Sprintz. , 2018, 2, 1-23.		66
12	HyperMorph: Amortized Hyperparameter Learning for Image Registration. Lecture Notes in Computer Science, 2021, , 3-17.	1.0	45
13	Advances in the Application of Technology to Epilepsy: The CIMIT/NIO Epilepsy Innovation Summit. Epilepsy and Behavior, 2009, 16, 3-46.	0.9	41
14	LCLint. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 1994, 19, 87-96.	0.5	33
15	Notes on type abstraction. , 1979, , 593-616.		30
16	Detecting Seizure Onset in the Ambulatory Setting: Demonstrating Feasibility. , 2005, 2005, 3546-50.		23
17	Impact of Patient-Specificity on Seizure Onset Detection Performance. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4110-4.	0.5	13
18	Augmenting existing deterioration indices with chest radiographs to predict clinical deterioration. PLoS ONE, 2022, 17, e0263922.	1.1	5

#	ARTICLE	IF	CITATIONS
19	Machine intelligence for early targeted precision management and response to outbreaks of respiratory infections. American Journal of Managed Care, 2020, 26, 445-448.	0.8	3
20	Software Enhanced Learning of Cardiac Auscultation. , 2006, 2006, 6105-8.		2
21	Abstract data types and the development of data structures. ACM SIGPLAN Notices, 1976, 11, 72.	0.2	1
22	Comparing Precision Machine Learning With Consumer, Quality, and Volume Metrics for Ranking Orthopedic Surgery Hospitals: Retrospective Study. Journal of Medical Internet Research, 2020, 22, e22765.	2.1	1
23	Abstract data types and the development of data structures. SIGMOD Record, 1976, 8, 72.	0.7	0