

Samuel D Relton

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

472
citations

840119

11
h-index

752256

20
g-index

31
all docs

31
docs citations

31
times ranked

423
citing authors

#	ARTICLE	IF	CITATIONS
1	The discerning eye of computer vision: Can it measure Parkinson's finger tap bradykinesia?. Journal of the Neurological Sciences, 2020, 416, 117003.	0.3	56
2	The Design and Performance of Batched BLAS on Modern High-Performance Computing Systems. Procedia Computer Science, 2017, 108, 495-504.	1.2	50
3	Computing the Fréchet Derivative of the Matrix Logarithm and Estimating the Condition Number. SIAM Journal of Scientific Computing, 2013, 35, C394-C410.	1.3	43
4	Identifying key players in soccer teams using network analysis and pass difficulty. European Journal of Operational Research, 2018, 268, 339-347.	3.5	32
5	Supervised classification of bradykinesia in Parkinson's disease from smartphone videos. Artificial Intelligence in Medicine, 2020, 110, 101966.	3.8	31
6	New Algorithms for Computing the Matrix Sine and Cosine Separately or Simultaneously. SIAM Journal of Scientific Computing, 2015, 37, A456-A487.	1.3	27
7	Accuracy of Smartphone Video for Contactless Measurement of Hand Tremor Frequency. Movement Disorders Clinical Practice, 2021, 8, 69-75.	0.8	22
8	Adaptive lead weighted ResNet trained with different duration signals for classifying 12-lead ECGs. , 0, , ,		22
9	Association of heart failure and its comorbidities with loss of life expectancy. Heart, 2021, 107, 1417-1421.	1.2	21
10	Advanced care planning during the COVID-19 pandemic: ceiling of care decisions and their implications for observational data. BMC Palliative Care, 2021, 20, 10.	0.8	18
11	Higher Order Fréchet Derivatives of Matrix Functions and the Level-2 Condition Number. SIAM Journal on Matrix Analysis and Applications, 2014, 35, 1019-1037.	0.7	16
12	Taylor's theorem for matrix functions with applications to condition number estimation. Linear Algebra and Its Applications, 2016, 504, 354-371.	0.4	11
13	The Symptom Burden and Quality of Life in Cancer Patients in the Gaza Strip, Palestine: A Cross-Sectional Study. PLoS ONE, 2022, 17, e0262512.	1.1	11
14	Supervised Classification of Bradykinesia for Parkinson's Disease Diagnosis from Smartphone Videos. , 2019, , ,		10
15	Computing low-rank approximations of the Fréchet derivative of a matrix function using Krylov subspace methods. Numerical Linear Algebra With Applications, 2021, 28, e2401.	0.9	10
16	Moving towards intelligent telemedicine: Computer vision measurement of human movement. Computers in Biology and Medicine, 2022, 147, 105776.	3.9	9
17	Estimating the Largest Elements of a Matrix. SIAM Journal of Scientific Computing, 2016, 38, C584-C601.	1.3	7
18	A Block Krylov Method to Compute the Action of the Fréchet Derivative of a Matrix Function on a Vector with Applications to Condition Number Estimation. SIAM Journal of Scientific Computing, 2017, 39, A1416-A1434.	1.3	7

#	ARTICLE	IF	CITATIONS
19	Effect of disease-modifying agents and their association with mortality in multi-morbid patients with heart failure with reduced ejection fraction. <i>ESC Heart Failure</i> , 2020, 7, 3859-3870.	1.4	7
20	Experiences of people seen in an acute hospital setting by a liaison mental health service: responses from an online survey. <i>BMC Health Services Research</i> , 2021, 21, 1050.	0.9	7
21	Optimized Batched Linear Algebra for Modern Architectures. <i>Lecture Notes in Computer Science</i> , 2017, , 511-522.	1.0	6
22	Analysis of an adaptive lead weighted ResNet for multiclass classification of 12-lead ECGs. <i>Physiological Measurement</i> , 2022, 43, 034001.	1.2	6
23	Estimating the Condition Number of the Fréchet Derivative of a Matrix Function. <i>SIAM Journal of Scientific Computing</i> , 2014, 36, C617-C634.	1.3	3
24	Ranking the Importance of Nuclear Reactions for Activation and Transmutation Events. <i>Nuclear Science and Engineering</i> , 2016, 184, 561-574.	0.5	2
25	Bedside breath tests in children with abdominal pain: a prospective pilot feasibility study. <i>Pilot and Feasibility Studies</i> , 2019, 5, 121.	0.5	2
26	Time series clustering to examine presence of decrement in Parkinson's finger-tapping bradykinesia. , 2020, 2020, 780-783.		2
27	Seeing the unseen: Could Eulerian video magnification aid clinician detection of subclinical Parkinson's tremor?. <i>Journal of Clinical Neuroscience</i> , 2020, 81, 101-104.	0.8	2
28	Mastectomy Without Drains Reduces Cost with No Detriment to Patient Outcome. <i>Cureus</i> , 2019, 11, e5160.	0.2	2
29	Evidence of objective sleep impairment in nonepileptic attack disorder: A naturalistic prospective controlled study using actigraphy and daily sleep diaries over six nights. <i>Epilepsy and Behavior</i> , 2021, 117, 107867.	0.9	1
30	Experiences of people seen in an acute hospital setting by liaison mental health services: responses from an online survey. <i>BJPsych Open</i> , 2021, 7, S346-S346.	0.3	0