Samuel D Relton

List of Publications by Year
in descending order

30	472	840776	752698
papers	**citations**	11	20
		h-index	**g-index**

31	31	31	423
all docs	**docs citations**	**times ranked**	**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.	0.6	56
2	The Design and Performance of Batched BLAS on Modern High-Performance Computing Systems. Procedia Computer Science, 2017, 108, 495-504.	2.0	50
3	Computing the Fréchet Derivative of the Matrix Logarithm and Estimating the Condition Number. SIAM Journal of Scientific Computing, 2013, 35, C394-C410.	2.8	43
4	Identifying key players in soccer teams using network analysis and pass difficulty. European Journal of Operational Research, 2018, 268, 339-347.	5.7	32
5	Supervised classification of bradykinesia in Parkinson's disease from smartphone videos. Artificial Intelligence in Medicine, 2020, 110, 101966.	6.5	31
6	New Algorithms for Computing the Matrix Sine and Cosine Separately or Simultaneously. SIAM Journal of Scientific Computing, 2015, 37, A456-A487.	2.8	27
7	Accuracy of Smartphone Video for Contactless Measurement of Hand Tremor Frequency. Movement Disorders Clinical Practice, 2021, 8, 69-75.	1.5	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.	2.9	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.	1.8	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.	1.4	16
12	Taylor's theorem for matrix functions with applications to condition number estimation. Linear Algebra and Its Applications, 2016, 504, 354-371.	0.9	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.	2.5	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.	1.6	10
16	Moving towards intelligent telemedicine: Computer vision measurement of human movement. Computers in Biology and Medicine, 2022, 147, 105776.	7.0	9
17	Estimating the Largest Elements of a Matrix. SIAM Journal of Scientific Computing, 2016, 38, C584-C601.	2.8	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.	2.8	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. ESC Heart Failure, 2020, 7, 3859-3870.	3.1	7
20	Experiences of people seen in an acute hospital setting by a liaison mental health service: responses from an online survey. BMC Health Services Research, 2021, 21, 1050.	2.2	7
21	Optimized Batched Linear Algebra for Modern Architectures. Lecture Notes in Computer Science, 2017, , 511-522.	1.3	6
22	Analysis of an adaptive lead weighted ResNet for multiclass classification of 12-lead ECGs. Physiological Measurement, 2022, 43, 034001.	2.1	6
23	Estimating the Condition Number of the Fréchet Derivative of a Matrix Function. SIAM Journal of Scientific Computing, 2014, 36, C617-C634.	2.8	3
24	Ranking the Importance of Nuclear Reactions for Activation and Transmutation Events. Nuclear Science and Engineering, 2016, 184, 561-574.	1.1	2
25	Bedside breath tests in children with abdominal pain: a prospective pilot feasibility study. Pilot and Feasibility Studies, 2019, 5, 121.	1.2	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?. Journal of Clinical Neuroscience, 2020, 81, 101-104.	1.5	2
28	Mastectomy Without Drains Reduces Cost with No Detriment to Patient Outcome. Cureus, 2019, 11, e5160.	0.5	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. Epilepsy and Behavior, 2021, 117, 107867.	1.7	1
30	Experiences of people seen in an acute hospital setting by liaison mental health services: responses from an online survey. BJPsych Open, 2021, 7, S346-S346.	0.7	0