Catherine F Higham

List of Publications by Year
in descending order

10 papers	651 citations	1307594 7 h-index	1588992 8 g-index
10 all docs	10 docs citations	10 times ranked	752 citing authors

#	Article	IF	Citations
1	Deep learning for real-time single-pixel video. Scientific Reports, 2018, 8, 2369.	3.3	187
2	Somatic instability of the expanded CTG triplet repeat in myotonic dystrophy type 1 is a heritable quantitative trait and modifier of disease severity. Human Molecular Genetics, 2012, 21, 3558-3567.	2.9	152
3	Deep Learning: An Introduction for Applied Mathematicians. SIAM Review, 2019, 61, 860-891.	9.5	137
4	Neural network identification of people hidden from view with a single-pixel, single-photon detector. Scientific Reports, 2018, 8, 11945.	3.3	61
5	High levels of somatic DNA diversity at the myotonic dystrophy type 1 locus are driven by ultra-frequent expansion and contraction mutations. Human Molecular Genetics, 2012, 21, 2450-2463.	2.9	44
6	Deep learning optimized single-pixel LiDAR. Applied Physics Letters, 2019, 115, .	3.3	40
7	Modelling and inference reveal nonlinear length-dependent suppression of somatic instability for small disease associated alleles in myotonic dystrophy type 1 and Huntington disease. Journal of the Royal Society Interface, 2013, 10, 20130605.	3.4	14
8	Bifurcation analysis informs Bayesian inference in the Hes1 feedback loop. BMC Systems Biology, 2009, 3, 12.	3.0	9
9	Detection, identification, and tracking of objects hidden from view with neural networks. , 2019, , .		5
10	Single-pixel LIDAR with Deep Learning Optimised Sampling. , 2020, , .		2