

Catherine F Higham

List of Publications by Year in descending order

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Version: 2024-02-01

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	Single-pixel LIDAR with Deep Learning Optimised Sampling. , 2020, , .		2
2	Deep Learning: An Introduction for Applied Mathematicians. SIAM Review, 2019, 61, 860-891.	9.5	137
3	Deep learning optimized single-pixel LiDAR. Applied Physics Letters, 2019, 115, .	3.3	40
4	Detection, identification, and tracking of objects hidden from view with neural networks. , 2019, , .		5
5	Deep learning for real-time single-pixel video. Scientific Reports, 2018, 8, 2369.	3.3	187
6	Neural network identification of people hidden from view with a single-pixel, single-photon detector. Scientific Reports, 2018, 8, 11945.	3.3	61
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	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
9	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
10	Bifurcation analysis informs Bayesian inference in the Hes1 feedback loop. BMC Systems Biology, 2009, 3, 12.	3.0	9