Nathan Albin

List of Publications by Year
in descending order

20	259	1163117	940533
papers	citations	8	16
		h-index	g-index

21	21	21	244
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fourier multipliers for nonlocal Laplace operators. Applicable Analysis, 2021, 100, 2526-2546.	1.3	6
2	Fairest edge usage and minimum expected overlap for random spanning trees. Discrete Mathematics, 2021, 344, 112282.	0.7	4
3	Fourier Spectral Methods for Nonlocal Models. Journal of Peridynamics and Nonlocal Modeling, 2020, 2, 317-335.	2.9	6
4	Spanning tree modulus for secure broadcast games. Networks, 2020, 76, 350-365.	2.7	3
5	Blocking duality for p-modulus on networks and applications. Annali Di Matematica Pura Ed Applicata, 2019, 198, 973-999.	1.0	7
6	Generalization of effective conductance centrality for egonetworks. Physica A: Statistical Mechanics and Its Applications, 2018, 511, 127-138.	2.6	0
7	Infinity modulus and the essential metric. Journal of Mathematical Analysis and Applications, 2018, 467, 570-584.	1.0	2
8	Network clustering and community detection using modulus of families of loops. Physical Review E, 2017, 95, 012316.	2.1	10
9	An Algorithmic Exploration of the Existence of High-Order Summation by Parts Operators with Diagonal Norm. Journal of Scientific Computing, 2016, 69, 633-650.	2.3	8
10	Maximizing algebraic connectivity in interconnected networks. Physical Review E, 2016, 93, 030301.	2.1	13
11	Minimal subfamilies and the probabilistic interpretation for modulus on graphs. Journal of Analysis, 2016, 24, 183-208.	0.6	5
12	Generalized network measures based on modulus of families of walks. Journal of Computational and Applied Mathematics, 2016, 307, 307-318.	2.0	5
13	Sensitivity of microwave ablation models to tissue biophysical properties: A first step toward probabilistic modeling and treatment planning. Medical Physics, 2016, 43, 2649-2661.	3.0	53
14	Modulus on graphs as a generalization of standard graph theoretic quantities. Conformal Geometry and Dynamics, 2015, 19, 298-317.	0.5	13
15	Numerical investigation of metrics for epidemic processes on graphs. , 2015, , .		4
16	Discrete Periodic Extension Using an Approximate Step Function. SIAM Journal of Scientific Computing, 2014, 36, A668-A692.	2.8	4
17	Fourier continuation methods for high-fidelity simulation of nonlinear acoustic beams. Journal of the Acoustical Society of America, 2012, 132, 2371-2387.	1.1	26
18	Multi-domain Fourier-continuation/WENO hybrid solver for conservation laws. Journal of Computational Physics, 2011, 230, 8779-8796.	3.8	21

#	Article	IF	Citations
19	A spectral FC solver for the compressible Navier–Stokes equations in general domains I: Explicit time-stepping. Journal of Computational Physics, 2011, 230, 6248-6270.	3.8	49
20	Multiphase laminates of extremal effective conductivity in two dimensions. Journal of the Mechanics and Physics of Solids, 2007, 55, 1513-1553.	4.8	19