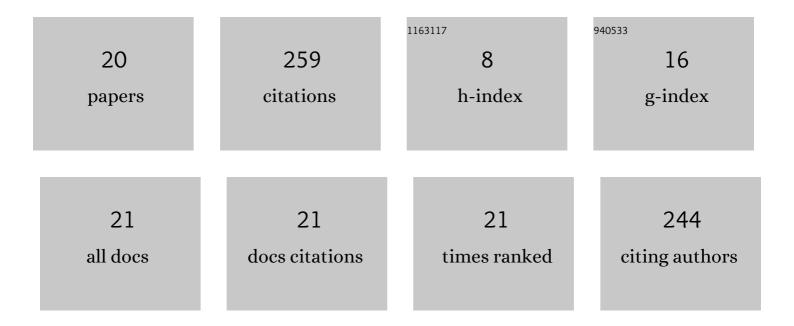
## Nathan Albin

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4298055/publications.pdf Version: 2024-02-01



Νλτηλή Διριή

#	Article	IF	CITATIONS
1	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
2	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
3	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
4	Multi-domain Fourier-continuation/WENO hybrid solver for conservation laws. Journal of Computational Physics, 2011, 230, 8779-8796.	3.8	21
5	Multiphase laminates of extremal effective conductivity in two dimensions. Journal of the Mechanics and Physics of Solids, 2007, 55, 1513-1553.	4.8	19
6	Modulus on graphs as a generalization of standard graph theoretic quantities. Conformal Geometry and Dynamics, 2015, 19, 298-317.	0.5	13
7	Maximizing algebraic connectivity in interconnected networks. Physical Review E, 2016, 93, 030301.	2.1	13
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	Blocking duality for p-modulus on networks and applications. Annali Di Matematica Pura Ed Applicata, 2019, 198, 973-999.	1.0	7
11	Fourier multipliers for nonlocal Laplace operators. Applicable Analysis, 2021, 100, 2526-2546.	1.3	6
12	Fourier Spectral Methods for Nonlocal Models. Journal of Peridynamics and Nonlocal Modeling, 2020, 2, 317-335.	2.9	6
13	Minimal subfamilies and the probabilistic interpretation for modulus on graphs. Journal of Analysis, 2016, 24, 183-208.	0.6	5
14	Generalized network measures based on modulus of families of walks. Journal of Computational and Applied Mathematics, 2016, 307, 307-318.	2.0	5
15	Discrete Periodic Extension Using an Approximate Step Function. SIAM Journal of Scientific Computing, 2014, 36, A668-A692.	2.8	4
16	Numerical investigation of metrics for epidemic processes on graphs. , 2015, , .		4
17	Fairest edge usage and minimum expected overlap for random spanning trees. Discrete Mathematics, 2021, 344, 112282.	0.7	4
18	Spanning tree modulus for secure broadcast games. Networks, 2020, 76, 350-365.	2.7	3

#	Article	IF	CITATIONS
19	Infinity modulus and the essential metric. Journal of Mathematical Analysis and Applications, 2018, 467, 570-584.	1.0	2
20	Generalization of effective conductance centrality for egonetworks. Physica A: Statistical Mechanics and Its Applications, 2018, 511, 127-138.	2.6	0