Beniamin Bogosel

List of Publications by Year
in descending order

21 papers	223 citations

1163117

8 h-index	

1058476

14 g-index	

22 all docs	22 docs citations	22 times ranked	153 citing authors

#	Article	IF	Citations
1	Optimizing supports for additive manufacturing. Structural and Multidisciplinary Optimization, 2018, 58, 2493-2515.	3.5	56
2	Support optimization in additive manufacturing for geometric and thermo-mechanical constraints. Structural and Multidisciplinary Optimization, 2020, 61, 2377-2399.	3.5	33
3	The method of fundamental solutions applied to boundary eigenvalue problems. Journal of Computational and Applied Mathematics, 2016, 306, 265-285.	2.0	18
4	Optimal Shapes Maximizing the Steklov Eigenvalues. SIAM Journal on Mathematical Analysis, 2017, 49, 1645-1680.	1.9	17
5	A Multiphase Shape Optimization Problem for Eigenvalues: Qualitative Study and Numerical Results. SIAM Journal on Numerical Analysis, 2016, 54, 210-241.	2.3	14
6	Qualitative and Numerical Analysis of a Spectral Problem with Perimeter Constraint. SIAM Journal on Control and Optimization, 2016, 54, 317-340.	2.1	12
7	The Steklov Spectrum on Moving Domains. Applied Mathematics and Optimization, 2017, 75, 1-25.	1.6	11
8	Efficient algorithm for optimizing spectral partitions. Applied Mathematics and Computation, 2018, 333, 61-75.	2.2	9
9	Minimization of the Eigenvalues of the Dirichlet-Laplacian with a Diameter Constraint. SIAM Journal on Mathematical Analysis, 2018, 50, 5337-5361.	1.9	9
10	Part and supports optimization in metal powder bed additive manufacturing using simplified process simulation. Computer Methods in Applied Mechanics and Engineering, 2022, 395, 114975.	6.6	7
11	Parametric shape optimization using the support function. Computational Optimization and Applications, 2022, 82, 107-138.	1.6	6
12	A Geometric Proof of the Siebeckâ€"Marden Theorem. American Mathematical Monthly, 2017, 124, 459.	0.3	5
13	Maximization of the Steklov Eigenvalues With a Diameter Constraint. SIAM Journal on Mathematical Analysis, 2021, 53, 710-729.	1.9	5
14	Minimal partitions for p-norms of eigenvalues. Interfaces and Free Boundaries, 2018, 20, 129-163.	0.8	4
15	Phase Field Approach to Optimal Packing Problems and Related Cheeger Clusters. Applied Mathematics and Optimization, 2020, 81, 63-87.	1.6	4
16	3D positive lattice walks and spherical triangles. Journal of Combinatorial Theory - Series A, 2020, 172, 105189.	0.8	4
17	Shape Optimization of an Imperfect Interface: Steady-State Heat Diffusion. Journal of Optimization Theory and Applications, 2021, 191, 169-201.	1.5	4
18	Partitions of Minimal Length on Manifolds. Experimental Mathematics, 2017, 26, 496-508.	0.7	2

#	Article	IF	Citations
19	Regularity result for a shape optimization problem under perimeter constraint. Communications in Analysis and Geometry, 2019, 27, 1523-1547.	0.4	2
20	Propagation for KPP bulk-surface systems in a general cylindrical domain. Nonlinear Analysis: Theory, Methods & Applications, 2021, 213, 112528.	1.1	1
21	Discrete Version of an Optimal Partitioning Problem. Springer Proceedings in Mathematics and Statistics, 2019, , 247-256.	0.2	0