Daniel Azagra

List of Publications by Year
in descending order

		759233	752698
27 papers	408 citations	12 h-index	20 g-index
27 all docs	27 docs citations	27 times ranked	157 citing authors

#	Article	IF	Citations
1	Lusin-Type Properties of Convex Functions and Convex Bodies. Journal of Geometric Analysis, 2021, 31, 11685-11701.	1.0	3
2	On the global shape of continuous convex functions on Banach spaces. Journal of Mathematical Analysis and Applications, 2020, 486, 123944.	1.0	1
3	Smooth approximations without critical points of continuous mappings between Banach spaces, and diffeomorphic extractions of sets. Advances in Mathematics, 2019, 354, 106756.	1.1	1
4	Smooth convex extensions of convex functions. Calculus of Variations and Partial Differential Equations, 2019, 58, 1.	1.7	1
5	Global geometry and C1 convex extensions of 1-jets. Analysis and PDE, 2019, 12, 1065-1099.	1.4	7
6	Whitney extension theorems for convex functions of the classes C1 and C1,ï‰. Proceedings of the London Mathematical Society, 2017, 114, 133-158.	1.3	20
7	Regularization by supâ€"inf convolutions on Riemannian manifolds: An extension of Lasryâ€"Lions theorem to manifolds of bounded curvature. Journal of Mathematical Analysis and Applications, 2015, 423, 994-1024.	1.0	9
8	Global and fine approximation of convex functions. Proceedings of the London Mathematical Society, 2013, 107, 799-824.	1.3	27
9	Concentration of symmetric eigenfunctions. Nonlinear Analysis: Theory, Methods & Applications, 2010, 73, 683-688.	1.1	7
10	A Second Order Smooth Variational Principle on Riemannian Manifolds. Canadian Journal of Mathematics, 2010, 62, 241-260.	0.6	3
11	Fixed Points and Zeros for Set Valued Mappings on Riemannian Manifolds: A Subdifferential Approach. Set-Valued and Variational Analysis, 2008, 16, 581-596.	0.5	1
12	Viscosity solutions to second order partial differential equations on Riemannian manifolds. Journal of Differential Equations, 2008, 245, 307-336.	2.2	26
13	Applications of proximal calculus to fixed point theory on Riemannian manifolds. Nonlinear Analysis: Theory, Methods & Applications, 2007, 67, 154-174.	1.1	13
14	Smooth approximation of Lipschitz functions on Riemannian manifolds. Journal of Mathematical Analysis and Applications, 2007, 326, 1370-1378.	1.0	40
15	Inf-Convolution and Regularization of Convex Functions on Riemannian Manifolds of Nonpositive Curvature. Revista Matematica Complutense, 2006, 19, 323.	1.2	12
16	A maximum principle for evolution Hamiltonâ€"Jacobi equations on Riemannian manifolds. Journal of Mathematical Analysis and Applications, 2006, 323, 473-480.	1.0	3
17	Nonsmooth analysis and Hamiltonâ€"Jacobi equations on Riemannian manifolds. Journal of Functional Analysis, 2005, 220, 304-361.	1.4	114
18	Proximal Calculus on Riemannian Manifolds. Mediterranean Journal of Mathematics, 2005, 2, 437-450.	0.8	32

#	Article	IF	Citations
19	C1-fine approximation of functions on Banach spaces with unconditional basis. Quarterly Journal of Mathematics, 2005, 56, 13-20.	0.8	13
20	Uniform approximation of continuous mappings by smooth mappings with no critical points on Hilbert manifolds. Duke Mathematical Journal, 2004, 124, 47.	1.5	13
21	Perturbed smooth Lipschitz extensions of uniformly continuous functions on Banach spaces. Proceedings of the American Mathematical Society, 2004, 133, 727-734.	0.8	6
22	Approximate Rolle's theorems for the proximal subgradient and the generalized gradient. Journal of Mathematical Analysis and Applications, 2003, 283, 180-191.	1.0	5
23	On the topological classification of starlike bodies inÂBanach spaces. Topology and Its Applications, 2003, 132, 221-234.	0.4	4
24	Every closed convex set is the set of minimizers of some C^{∞}-smooth convex function. Proceedings of the American Mathematical Society, 2002, 130, 3687-3692.	0.8	15
25	The Failure of Rolle's Theorem in Infinite-Dimensional Banach Spaces. Journal of Functional Analysis, 2001, 182, 207-226.	1.4	14
26	SMOOTH LIPSCHITZ RETRACTIONS OF STARLIKE BODIES ONTO THEIR BOUNDARIES IN INFINITE-DIMENSIONAL BANACH SPACES. Bulletin of the London Mathematical Society, 2001, 33, 443-453.	0.8	4
27	Diffeomorphisms between spheres and hyperplanes in infinite-dimensional Banach spaces. Studia Mathematica, 1997, 125, 179-186.	0.7	14