Daniel Azagra

List of Publications by Year
in descending order

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27	408	759233 12	752698 20
papers	citations	h-index	g-index

27	27	27	157
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonsmooth analysis and Hamiltonâ€“Jacobi equations on Riemannian manifolds. Journal of Functional Analysis, 2005, 220, 304-361.	1.4	114
2	Smooth approximation of Lipschitz functions on Riemannian manifolds. Journal of Mathematical Analysis and Applications, 2007, 326, 1370-1378.	1.0	40
3	Proximal Calculus on Riemannian Manifolds. Mediterranean Journal of Mathematics, 2005, 2, 437-450.	0.8	32
4	Global and fine approximation of convex functions. Proceedings of the London Mathematical Society, 2013, 107, 799-824.	1.3	27
5	Viscosity solutions to second order partial differential equations on Riemannian manifolds. Journal of Differential Equations, 2008, 245, 307-336.	2.2	26
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	Every closed convex set is the set of minimizers of some $C^{infty }$-smooth convex function. Proceedings of the American Mathematical Society, 2002, 130, 3687-3692.	0.8	15
8	The Failure of Rolle's Theorem in Infinite-Dimensional Banach Spaces. Journal of Functional Analysis, 2001, 182, 207-226.	1.4	14
9	Diffeomorphisms between spheres and hyperplanes in infinite-dimensional Banach spaces. Studia Mathematica, 1997, 125, 179-186.	0.7	14
10	Uniform approximation of continuous mappings by smooth mappings with no critical points on Hilbert manifolds. Duke Mathematical Journal, 2004, 124, 47.	1.5	13
11	C1-fine approximation of functions on Banach spaces with unconditional basis. Quarterly Journal of Mathematics, 2005, 56, 13-20.	0.8	13
12	Applications of proximal calculus to fixed point theory on Riemannian manifolds. Nonlinear Analysis: Theory, Methods & Applications, 2007, 67, 154-174.	1.1	13
13	Inf-Convolution and Regularization of Convex Functions on Riemannian Manifolds of Nonpositive Curvature. Revista Matematica Complutense, 2006, 19, 323.	1.2	12
14	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
15	Concentration of symmetric eigenfunctions. Nonlinear Analysis: Theory, Methods & Applications, 2010, 73, 683-688.	1.1	7
16	Global geometry and C1 convex extensions of 1-jets. Analysis and PDE, 2019, 12, 1065-1099.	1.4	7
17	Perturbed smooth Lipschitz extensions of uniformly continuous functions on Banach spaces. Proceedings of the American Mathematical Society, 2004, 133, 727-734.	0.8	6
18	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

#	Article	IF	Citations
19	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
20	On the topological classification of starlike bodies inÂBanach spaces. Topology and Its Applications, 2003, 132, 221-234.	0.4	4
21	A maximum principle for evolution Hamiltonâ€“Jacobi equations on Riemannian manifolds. Journal of Mathematical Analysis and Applications, 2006, 323, 473-480.	1.0	3
22	A Second Order Smooth Variational Principle on Riemannian Manifolds. Canadian Journal of Mathematics, 2010, 62, 241-260.	0.6	3
23	Lusin-Type Properties of Convex Functions and Convex Bodies. Journal of Geometric Analysis, 2021, 31, 11685-11701.	1.0	3
24	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
25	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
26	Smooth convex extensions of convex functions. Calculus of Variations and Partial Differential Equations, 2019, 58, 1.	1.7	1
27	On the global shape of continuous convex functions on Banach spaces. Journal of Mathematical Analysis and Applications, 2020, 486, 123944.	1.0	1