

# Aris Daniilidis

## List of Publications by Year in descending order

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all docs

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docs citations

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times ranked

884  
citing authors

#	ARTICLE	IF	CITATIONS
1	A convex function satisfying the Łojasiewicz inequality but failing the gradient conjecture both at zero and infinity. Bulletin of the London Mathematical Society, 2022, 54, 590-608.	0.8	1
2	Smooth semi-Lipschitz functions and almost isometries between Finsler manifolds. Journal of Functional Analysis, 2020, 279, 108662.	1.4	4
3	Characterization of Filippov representable maps and Clarke subdifferentials. Mathematical Programming, 2020, 189, 99.	2.4	1
4	Pathological Subgradient Dynamics. SIAM Journal on Optimization, 2020, 30, 1327-1338.	2.0	11
5	Linear Structure of Functions with Maximal Clarke Subdifferential. SIAM Journal on Optimization, 2019, 29, 511-521.	2.0	4
6	Metric and Geometric Relaxations of Self-Contracted Curves. Journal of Optimization Theory and Applications, 2019, 182, 81-109.	1.5	2
7	Self-contracted curves in Riemannian manifolds. Journal of Mathematical Analysis and Applications, 2018, 457, 1333-1352.	1.0	11
8	A Partial Answer to the Demyanov-Ryabova Conjecture. Set-Valued and Variational Analysis, 2018, 26, 143-157.	1.1	3
9	Explicit formulas for $C^{1,1}$ Glaeser-Whitney extensions of 1-Taylor fields in Hilbert spaces. Proceedings of the American Mathematical Society, 2018, 146, 4487-4495.	0.8	6
10	Gradient Flows, Second-Order Gradient Systems and Convexity. SIAM Journal on Optimization, 2018, 28, 2049-2066.	2.0	4
11	Sweeping by a tame process. Annales De L'Institut Fourier, 2017, 67, 2201-2223.	0.6	1
12	Sard theorems for Lipschitz functions and applications in optimization. Israel Journal of Mathematics, 2016, 212, 757-790.	0.8	4
13	Spectral (isotropic) manifolds and their dimension. Journal D'Analyse Mathematique, 2016, 128, 369-397.	0.8	5
14	Orbits of Geometric Descent. Canadian Mathematical Bulletin, 2015, 58, 44-50.	0.5	3
15	Stability in Linear Optimization Under Perturbations of the Left-Hand Side Coefficients. Set-Valued and Variational Analysis, 2015, 23, 737-758.	1.1	8
16	Cut-Generating Functions and $S$ -Free Sets. Mathematics of Operations Research, 2015, 40, 276-391.	1.3	37
17	Rectifiability of Self-Contracted Curves in the Euclidean Space and Applications. Journal of Geometric Analysis, 2015, 25, 1211-1239.	1.0	19
18	Orthogonal Invariance and Identifiability. SIAM Journal on Matrix Analysis and Applications, 2014, 35, 580-598.	1.4	19

#	ARTICLE	IF	CITATIONS
19	Lower Semicontinuity of the Feasible Set Mapping of Linear Systems Relative to Their Domains. Set-Valued and Variational Analysis, 2013, 21, 67-92.	1.1	13
20	The Morse–Sard theorem for Clarke critical values. Advances in Mathematics, 2013, 242, 217-227.	1.1	4
21	Cut-Generating Functions. Lecture Notes in Computer Science, 2013, , 123-132.	1.3	4
22	Generic Optimality Conditions for Semialgebraic Convex Programs. Mathematics of Operations Research, 2011, 36, 55-70.	1.3	26
23	Continuity and differentiability of set-valued maps revisited in the light of tame geometry. Journal of the London Mathematical Society, 2011, 83, 637-658.	1.0	17
24	Asymptotic behaviour of self-contracted planar curves and gradient orbits of convex functions. Journal Des Mathematiques Pures Et Appliquees, 2010, 94, 183-199.	1.6	24
25	Generalized Hessians of $C^1$ -Functions and Second-Order Viscosity Subjets. SIAM Journal on Optimization, 2010, 20, 3040-3058.	2.0	0
26	Subdifferential characterization of approximate convexity: the lower semicontinuous case. Mathematical Programming, 2009, 116, 115-127.	2.4	16
27	Tame functions are semismooth. Mathematical Programming, 2009, 117, 5-19.	2.4	38
28	Characterizations of Łojasiewicz inequalities: Subgradient flows, talweg, convexity. Transactions of the American Mathematical Society, 2009, 362, 3319-3363.	0.9	179
29	Identifying Structure of Nonsmooth Convex Functions by the Bundle Technique. SIAM Journal on Optimization, 2009, 20, 820-840.	2.0	20
30	On the first integral conjecture of René Thom. Bulletin Des Sciences Mathematiques, 2008, 132, 625-631.	1.0	0
31	Stability of periodic solutions for Lipschitz systems obtained via the averaging method. Proceedings of the American Mathematical Society, 2007, 135, 3317-3327.	0.8	2
32	Clarke Subgradients of Stratifiable Functions. SIAM Journal on Optimization, 2007, 18, 556-572.	2.0	236
33	The Łojasiewicz Inequality for Nonsmooth Subanalytic Functions with Applications to Subgradient Dynamical Systems. SIAM Journal on Optimization, 2007, 17, 1205-1223.	2.0	414
34	Some Remarks on the Class of Continuous (Semi-)Strictly Quasiconvex Functions. Journal of Optimization Theory and Applications, 2007, 133, 37-48.	1.5	10
35	Geometrical interpretation of the predictor-corrector type algorithms in structured optimization problems. Optimization, 2006, 55, 481-503.	1.7	15
36	A nonsmooth Morse–Sard theorem for subanalytic functions. Journal of Mathematical Analysis and Applications, 2006, 321, 729-740.	1.0	26

#	ARTICLE	IF	CITATIONS
37	On the equivalence between complementarity systems, projected systems and differential inclusions. <i>Systems and Control Letters</i> , 2006, 55, 45-51.	2.3	116
38	On a primal-proximal heuristic in discrete optimization. <i>Mathematical Programming</i> , 2005, 104, 105-128.	2.4	16
39	Cyclic Hypomonotonicity, Cyclic Submonotonicity, and Integration. <i>Journal of Optimization Theory and Applications</i> , 2004, 122, 19-39.	1.5	11
40	Approximate convexity and submonotonicity. <i>Journal of Mathematical Analysis and Applications</i> , 2004, 291, 292-301.	1.0	60
41	Subsmooth sets: Functional characterizations and related concepts. <i>Transactions of the American Mathematical Society</i> , 2004, 357, 1275-1301.	0.9	87
42	An Appropriate Subdifferential for Quasiconvex Functions. <i>SIAM Journal on Optimization</i> , 2002, 12, 407-420.	2.0	28
43	Integration of Fenchel Subdifferentials of Epi-Pointed Functions. <i>SIAM Journal on Optimization</i> , 2002, 12, 575-582.	2.0	8
44	Characterizations of evenly convex sets and evenly quasiconvex functions. <i>Journal of Mathematical Analysis and Applications</i> , 2002, 273, 58-66.	1.0	32
45	Lower Subdifferentiability and Integration. <i>Set-Valued and Variational Analysis</i> , 2002, 10, 89-108.	0.5	16
46	Integration of multivalued operators and cyclic submonotonicity. <i>Transactions of the American Mathematical Society</i> , 2002, 355, 177-195.	0.9	17
47	Normal Cones to Sublevel Sets: An Axiomatic Approach. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2001, , 88-101.	0.3	7
48	Subdifferentials of convex functions and sigma-cyclic monotonicity. <i>Bulletin of the Australian Mathematical Society</i> , 2000, 61, 269-276.	0.5	1
49	A dual characterisation of the Radon-Nikodym property. <i>Bulletin of the Australian Mathematical Society</i> , 2000, 62, 379-387.	0.5	2
50	Normal Characterization of the Main Classes of Quasiconvex Functions. <i>Set-Valued and Variational Analysis</i> , 2000, 8, 219-236.	0.5	19
51	Arrow-Barankin-Blackwell Theorems and Related Results in Cone Duality: A Survey. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2000, , 119-131.	0.3	9
52	Characterization of Nonsmooth Semistrictly Quasiconvex and Strictly Quasiconvex Functions. <i>Journal of Optimization Theory and Applications</i> , 1999, 102, 525-536.	1.5	63
53	Coercivity conditions and variational inequalities. <i>Mathematical Programming</i> , 1999, 86, 433-438.	2.4	73
54	On the Subdifferentials of Quasiconvex and Pseudoconvex Functions and Cyclic Monotonicity. <i>Journal of Mathematical Analysis and Applications</i> , 1999, 237, 30-42.	1.0	58

#	ARTICLE	IF	CITATIONS
55	Connectedness of the Efficient Set for Three-Objective Quasiconcave Maximization Problems. Journal of Optimization Theory and Applications, 1997, 93, 517-524.	1.5	31
56	Existence theorems for vector variational inequalities. Bulletin of the Australian Mathematical Society, 1996, 54, 473-481.	0.5	66
57	Clarke critical values of subanalytic Lipschitz continuous functions. Annales Polonici Mathematici, 0, 87, 13-25.	0.5	19