

Bernard Dacorogna

List of Publications by Year in descending order

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35
papers

1,747
citations

840119

11
h-index

414034

32
g-index

37
all docs

37
docs citations

37
times ranked

671
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Methods in the Calculus of Variations. Applied Mathematical Sciences (Switzerland), 1989, , .	0.4	637
2	On a partial differential equation involving the Jacobian determinant. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 1990, 7, 1-26.	0.7	231
3	Optimal Foraging on Arbitrary Food Distributions and the Definition of Habitat Patches. American Naturalist, 1988, 131, 837-846.	1.0	129
4	Implicit Partial Differential Equations. , 1999, , .		107
5	General existence theorems for Hamilton-Jacobi equations in the scalar and vectorial cases. Acta Mathematica, 1997, 178, 1-37.	1.4	99
6	An example of a quasiconvex function that is not polyconvex in two dimensions. Archive for Rational Mechanics and Analysis, 1992, 117, 155-166.	1.1	57
7	The Pullback Equation for Differential Forms. Progress in Nonlinear Differential Equations and Their Application, 2012, , .	0.4	45
8	Existence of minimizers for non-quasiconvex integrals. Archive for Rational Mechanics and Analysis, 1995, 131, 359-399.	1.1	38
9	Cauchyâ€“Dirichlet Problem for First Order Nonlinear Systems. Journal of Functional Analysis, 1998, 152, 404-446.	0.7	28
10	A-B quasiconvexity and implicit partial differential equations. Calculus of Variations and Partial Differential Equations, 2002, 14, 115-149.	0.9	19
11	Optimal foraging in nonpatchy habitats. I. Bounded one-dimensional resource. Mathematical Biosciences, 1985, 76, 127-145.	0.9	12
12	Implicit partial differential equations and the constraints of nonlinear elasticity. Journal Des Mathematiques Pures Et Appliquees, 2002, 81, 311-341.	0.8	12
13	Existence and non-existence results for non-coercive variational problems and applications in ecology. Journal of Differential Equations, 1990, 85, 214-235.	1.1	11
14	Some numerical methods for the study of the convexity notions arising in the calculus of variations. ESAIM: Mathematical Modelling and Numerical Analysis, 1998, 32, 153-175.	0.8	11
15	Existence of solutions for a variational problem associated to models in optimal foraging theory. Journal of Mathematical Analysis and Applications, 1990, 147, 263-276.	0.5	9
16	A minimization problem involving variation of the domain. Communications on Pure and Applied Mathematics, 1992, 45, 871-897.	1.2	9
17	An explicit solution to a system of implicit differential equations. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2008, 25, 163-171.	0.7	9
18	Calculus of variations with differential forms. Journal of the European Mathematical Society, 2015, 17, 1009-1039.	0.7	9

#	ARTICLE	IF	CITATIONS
19	Optimal Foraging in Nonpatchy Habitats. 2: Unbounded One-Dimensional Habitat. SIAM Journal on Applied Mathematics, 1987, 47, 800-821.	0.8	8
20	Differential inclusions for differential forms. Calculus of Variations and Partial Differential Equations, 2007, 28, 449-469.	0.9	8
21	On the equation $\det \text{D}u = f$ with no sign hypothesis. Calculus of Variations and Partial Differential Equations, 2009, 36, 251-283.	0.9	8
22	Optimal transport of closed differential forms for convex costs. Comptes Rendus Mathematique, 2015, 353, 1099-1104.	0.1	8
23	Existence and Regularity of Solutions of $\text{div} u = f$ with Dirichlet Boundary Conditions. International Mathematical Series, 2002, , 67-82.	0.3	8
24	Nonconvex Problems of the Calculus of Variations and Differential Inclusions. Handbook of Differential Equations: Stationary Partial Differential Equations, 2005, , 57-126.	0.7	6
25	Maximum sustainable yield of populations with continuous age-structure. Mathematical Biosciences, 1992, 110, 253-270.	0.9	5
26	Remarks on a Numerical Study of Convexity, Quasiconvexity, and Rank One Convexity. , 1996, , 143-154.		5
27	Transportation of closed differential forms with non-homogeneous convex costs. Calculus of Variations and Partial Differential Equations, 2018, 57, 1.	0.9	5
28	Équations de type implicite avec contraintes. Comptes Rendus Mathematique, 2000, 330, 271-274.	0.5	4
29	Maximum sustainable yield with continuous age structure and density-dependent recruitment. Mathematical Biosciences, 1994, 120, 99-126.	0.9	3
30	Quasiconvexity and Relaxation in Optimal Transportation of Closed Differential Forms. Archive for Rational Mechanics and Analysis, 2019, 234, 317-349.	1.1	3
31	The degenerate two well problem for piecewise affine maps. Nonlinear Differential Equations and Applications, 2013, 20, 345-359.	0.4	2
32	Some Remarks on the Lie Derivative and the Pullback Equation for Contact Forms. Advanced Nonlinear Studies, 2017, 17, 269-282.	0.7	2
33	Some new results on differential inclusions for differential forms. Transactions of the American Mathematical Society, 2015, 367, 3119-3138.	0.5	1
34	Calculus of variations, implicit partial differential equations and microstructure. GAMM Mitteilungen, 2006, 29, 150-171.	2.7	0
35	The Pullback Equation. Lecture Notes in Mathematics, 2017, , 1-72.	0.1	0