Paolo Marcellini

List of Publications by Year
in descending order

67 papers	3,263 citations	186265 28 h-index	155660 55 g-index
69 all docs	69 docs citations	69 times ranked	603 citing authors

#	Article	IF	Citations
1	Lipschitz regularity for degenerate elliptic integrals with ?,â€?-growth. Advances in Calculus of Variations, 2023, 16, 443-465.	1.2	8
2	Boundary regularity for elliptic systems with p,q-growth. Journal Des Mathematiques Pures Et Appliquees, 2022, 159, 250-293.	1.6	9
3	A variational approach to parabolic equations under general and p,q-growth conditions. Nonlinear Analysis: Theory, Methods & Applications, 2020, 194, 111456.	1.1	37
4	Regularity for scalar integrals without structure conditions. Advances in Calculus of Variations, 2020, 13, 279-300.	1.2	46
5	Growth conditions and regularity for weak solutions to nonlinear elliptic pdes. Journal of Mathematical Analysis and Applications, 2020, 501, 124408.	1.0	60
6	Integral Convexity and Parabolic Systems. SIAM Journal on Mathematical Analysis, 2020, 52, 1489-1525.	1.9	9
7	Anisotropic and p,Âq-nonlinear partial differential equations. Rendiconti Lincei, 2020, 31, 295-301.	2.2	4
8	A-priori gradient bound for elliptic systems under either slow or fast growth conditions. Calculus of Variations and Partial Differential Equations, 2020, 59, 1.	1.7	14
9	Regularity under general and <inline-formula><tex-math id="M1">egin{document}$ p,q-$end{document}</tex-math></inline-formula> growth conditions. Discrete and Continuous Dynamical Systems - Series S, 2020, 13, 2009-2031.	1.1	15
10	Local Lipschitz continuity of minimizers with mild assumptions on the x-dependence. Discrete and Continuous Dynamical Systems - Series S, 2019, 12, 251-265.	1.1	2
11	Nonuniformly elliptic energy integrals with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml1" display="inline" overflow="scroll" altimg="si1.gif"><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>q</mml:mi></mml:math>-growth. Nonlinear Analysis: Theory, Methods & Applications, 2018, 177, 312-324.	1.1	22
12	A variational approach to doubly nonlinear equations. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2018, 29, 739-772.	0.6	9
13	Doubly Nonlinear Equations of Porous Medium Type. Archive for Rational Mechanics and Analysis, 2018, 229, 503-545.	2.4	29
14	Parabolic equations and the bounded slope condition. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2017, 34, 355-379.	1.4	11
15	Regularity of minimizers under limit growth conditions. Nonlinear Analysis: Theory, Methods & Applications, 2017, 153, 294-310.	1.1	33
16	Lipschitz continuity for energy integrals with variable exponents. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2016, 27, 61-87.	0.6	37
17	Lipschitz estimates for systems with ellipticity conditions at infinity. Annali Di Matematica Pura Ed Applicata, 2016, 195, 1575-1603.	1.0	66
18	A Time Dependent Variational Approach to Image Restoration. SIAM Journal on Imaging Sciences, 2015, 8, 968-1006.	2.2	30

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19	Nonlocal diffusion equations. Journal of Mathematical Analysis and Applications, 2015, 432, 398-428.	1.0	15
20	Local Boundedness of Minimizers with Limit Growth Conditions. Journal of Optimization Theory and Applications, 2015, 166, 1-22.	1.5	43
21	Weak lower semicontinuity for polyconvex integrals in the limit case. Calculus of Variations and Partial Differential Equations, 2014, 51, 171-193.	1.7	5
22	Existence of evolutionary variational solutions via the calculus of variations. Journal of Differential Equations, 2014, 256, 3912-3942.	2.2	62
23	An alternative approach to the Hölder continuity of solutions to some elliptic equations. Nonlinear Analysis: Theory, Methods & Applications, 2014, 94, 133-141.	1.1	12
24	Parabolic Systems with p, q-Growth: A Variational Approach. Archive for Rational Mechanics and Analysis, 2013, 210, 219-267.	2.4	83
25	The degenerate two well problem for piecewise affine maps. Nonlinear Differential Equations and Applications, 2013, 20, 345-359.	0.8	2
26	Parabolic equations with p, q-growth. Journal Des Mathematiques Pures Et Appliquees, 2013, 100, 535-563.	1.6	46
27	Origami and Partial Differential Equations. , 2012, , 241-250.		3
28	Local boundedness of solutions to quasilinear elliptic systems. Manuscripta Mathematica, 2012, 137, 287-315.	0.6	39
29	Regularity under sharp anisotropic general growth conditions. Discrete and Continuous Dynamical Systems - Series B, 2009, 11, 67-86.	0.9	9
30	Lipschitz-continuous local isometric immersions: rigid maps and origami. Journal Des Mathematiques Pures Et Appliquees, 2008, 90, 66-81.	1.6	20
31	On the n-dimensional Dirichlet problem for isometric maps. Journal of Functional Analysis, 2008, 255, 3274-3280.	1.4	7
32	An explicit solution to a system of implicit differential equations. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2008, 25, 163-171.	1.4	9
33	Weak lower semicontinuity for non coercive polyconvex integrals. Advances in Calculus of Variations, 2008, 1, .	1.2	3
34	Nonlinear elliptic systems with general growth. Journal of Differential Equations, 2006, 221, 412-443.	2.2	92
35	On the total variation of the Jacobian. Journal of Functional Analysis, 2004, 207, 1-32.	1.4	12
36	Viscosity solutions, almost everywhere solutions and explicit formulas. Transactions of the American Mathematical Society, 2004, 356, 4643-4653.	0.9	3

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37	An existence result for a nonconvex variational problem via regularity. ESAIM - Control, Optimisation and Calculus of Variations, 2002, 7, 69-95.	1.3	55
38	Équations de type implicite avec contraintes. Comptes Rendus Mathematique, 2000, 330, 271-274.	0.5	4
39	On a Volume-Constrained Variational Problem. Archive for Rational Mechanics and Analysis, 1999, 149, 23-47.	2.4	16
40	Implicit Partial Differential Equations. , 1999, , .		107
41	Cauchy–Dirichlet Problem for First Order Nonlinear Systems. Journal of Functional Analysis, 1998, 152, 404-446.	1.4	28
42	General existence theorems for Hamilton-Jacobi equations in the scalar and vectorial cases. Acta Mathematica, 1997, 178, 1-37.	3.9	99
43	Relaxation of multiple integrals in subcritical Sobolev spaces. Journal of Geometric Analysis, 1997, 7, 57-81.	1.0	33
44	Elliptic versus parabolic regularization for the equation of prescribed mean curvature*. Journal of Differential Equations, 1997, 137, 1-53.	2.2	18
45	Regularity for some scalar variational problems under general growth conditions. Journal of Optimization Theory and Applications, 1996, 90, 161-181.	1.5	60
46	General Growth Conditions and Regularity. , 1996, , 111-118.		3
47	Some problems of existence, uniqueness and regularity in the calculus of variations. , 1996, , 2089-2096.		0
48	A mathematical framework for optimal foraging of herbivores. Journal of Mathematical Biology, 1995, 33, 365-87.	1.9	8
49	Existence of minimizers for non-quasiconvex integrals. Archive for Rational Mechanics and Analysis, 1995, 131, 359-399.	2.4	38
50	Regularity for Elliptic Equations with General Growth Conditions. Journal of Differential Equations, 1993, 105, 296-333.	2.2	142
51	A general approach to the existence of minimizers of one-dimensional non-coercive integrals of the calculus of variations. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 1991, 8, 197-223.	1.4	25
52	Regularity and existence of solutions of elliptic equations with p,q-growth conditions. Journal of Differential Equations, 1991, 90, 1-30.	2.2	544
53	Non convex integrals of the Calculus of Variations. Lecture Notes in Mathematics, 1990, , 16-57.	0.2	30
54	Regularity of minimizers of integrals of the calculus of variations with non standard growth conditions. Archive for Rational Mechanics and Analysis, 1989, 105, 267-284.	2.4	424

#	ARTICLE	IF	CITATIONS
55	The Stored-Energy for Some Discontinuous Deformations in Nonlinear Elasticity. , 1989, , 767-786.		5
56	The Stored-Energy for Some Discontinuous Deformations in Nonlinear Elasticity. , 1989, , 767-786.		15
57	On the definition and the lower semicontinuity of certain quasiconvex integrals. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 1986, 3, 391-409.	1.4	144
58	Approximation of quasiconvex functions, and lower semicontinuity of multiple integrals. Manuscripta Mathematica, 1985, 51, 1-28.	0.6	174
59	Asymptotic growth for the parabolic equation of prescribed mean curvature. Journal of Differential Equations, 1984, 51, 326-358.	2.2	10
60	Quasiconvex quadratic forms in two dimensions. Applied Mathematics and Optimization, 1984, 11, 183-189.	1.6	33
61	A relation between existence of minima for non convex integrals and uniqueness for non strictly convex integrals of the calculus of variations. Lecture Notes in Mathematics, 1983, , 216-231.	0.2	17
62	Bounds for the third membrane eigenvalue. Journal of Differential Equations, 1980, 37, 438-443.	2.2	24
63	Semicontinuity problems in the calculus of variations. Nonlinear Analysis: Theory, Methods & Applications, 1980, 4, 241-257.	1.1	69
64	Periodic solutions and homogenization of non linear variational problems. Annali Di Matematica Pura Ed Applicata, 1978, 117, 139-152.	1.0	117
65	Homogenization of non-uniformly elliptic operatorsâ€. Applicable Analysis, 1978, 8, 101-113.	1.3	35
66	Sulla convergenza delle soluzioni di disequazioni variazionali. Annali Di Matematica Pura Ed Applicata, 1976, 110, 137-159.	1.0	60
67	Local Lipschitz continuity for energy integrals with slow growth. Annali Di Matematica Pura Ed Applicata, 0, , 1.	1.0	5