Elvira Zappale

List of Publications by Year
in descending order

39 papers	208 citations	1163117 8 h-index	1125743 13 g-index
40 all docs	40 docs citations	40 times ranked	74 citing authors

#	Article	IF	Citations
1	Relaxation of functionals with linear growth: Interactions of emerging measures and free discontinuities. Advances in Calculus of Variations, 2023, 16, 835-865.	1.2	0
2	Upscaling and spatial localization of non-local energies with applications to crystal plasticity. Mathematics and Mechanics of Solids, 2021, 26, 963-997.	2.4	2
3	Loss of Double-Integral Character During Relaxation. SIAM Journal on Mathematical Analysis, 2021, 53, 351-385.	1.9	7
4	Reiterated periodic homogenization of integral functionals with convex and nonstandard growth integrands. Opuscula Mathematica, 2021, 41, 113-143.	0.8	1
5	An optimal design problem with non-standard growth and no concentration effects. Asymptotic Analysis, 2021, , 1-28.	0.5	1
6	A Relaxation Result in the Vectorial Setting and Power Law Approximation for Supremal Functionals. Journal of Optimization Theory and Applications, 2020, 186, 412-452.	1.5	6
7	Lower semicontinuity and relaxation of nonlocal $$L^infty $$-functionals. Calculus of Variations and Partial Differential Equations, 2020, 59, 1.	1.7	8
8	Bending-torsion moments in thin multi-structures in the context of nonlinear elasticity. Communications on Pure and Applied Analysis, 2020, 19, 1747-1793.	0.8	2
9	Relaxation for Optimal Design Problems with Non-standard Growth. Applied Mathematics and Optimization, 2019, 80, 515-546.	1.6	5
10	Optimal design of fractured media with prescribed macroscopic strain. Journal of Mathematical Analysis and Applications, 2017, 449, 1094-1132.	1.0	10
11	Orlicz equi-integrability for scaled gradients. Journal of Elliptic and Parabolic Equations, 2017, 3, 1-13.	0.9	1
12	Integral representation results in BV Ã— L^p. ESAIM - Control, Optimisation and Calculus of Variations, 2017, 23, 1555-1599.	1.3	2
13	A note on dimension reduction for unbounded integrals with periodic microstructure via the unfolding method for slender domains. Evolution Equations and Control Theory, 2017, 6, 299-318.	1.3	1
14	A note about weak * lower semicontinuity for functionals with linear growth in W 1,1 Ã— L 1. Journal of Elliptic and Parabolic Equations, 2017, 3, 93-103.	0.9	0
15	A relaxation result in B V Ã— L p for integral functionals depending on chemical composition and elastic strain. Asymptotic Analysis, 2016, 100, 1-20.	0.5	2
16	Some remarks about dimension reduction for â^Î”1. Asymptotic Analysis, 2015, 92, 187-202.	0.5	0
17	Relaxation for an optimal design problem with linear growth and perimeter penalization. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2015, 145, 223-268.	1.2	6
18	Dimension reduction for â^Î”1. ESAIM - Control, Optimisation and Calculus of Variations, 2014, 20, 42-77.	1.3	0

#	Article	IF	Citations
19	Existence of Minimizers for NonLevel Convex Supremal Functionals. SIAM Journal on Control and Optimization, 2014, 52, 3341-3370.	2.1	13
20	Relaxation of certain integral functionals depending on strain and chemical composition. Chinese Annals of Mathematics Series B, 2013, 34, 491-514.	0.4	5
21	3Dâ€“2D dimensional reduction for a nonlinear optimal design problem with perimeter penalization. Comptes Rendus Mathematique, 2012, 350, 1011-1016.	0.3	4
22	Dimensional reduction for supremal functionals. Discrete and Continuous Dynamical Systems, 2012, 32, 1503-1535.	0.9	3
23	A Model of Joined Beams as Limit of a 2D Plate. Journal of Elasticity, 2011, 103, 205-233.	1.9	26
24	Some sufficient conditions for lower semicontinuity in SBD and applications to minimum problems. Mathematical Methods in the Applied Sciences, 2011, 34, 1541-1552.	2.3	3
25	A lower semicontinuity result in SBD for surface integral functionals of Fracture Mechanics. Asymptotic Analysis, 2011, 72, 231-249.	0.5	4
26	Some relaxation results for functionals depending on constrained strain and chemical composition. Comptes Rendus Mathematique, 2009, 347, 337-342.	0.3	2
27	Lower Semicontinuity in SBH. Mediterranean Journal of Mathematics, 2008, 5, 221-235.	0.8	1
28	Dimensional reduction for energies with linear growth involving the bending moment. Journal Des Mathematiques Pures Et Appliquees, 2008, 90, 520-549.	1.6	10
29	A note on the 3Dâ€“2D dimensional reduction of a micromagnetic thin film with nonhomogeneous profile. Applicable Analysis, 2007, 86, 555-575.	1.3	14
30	ModÃ©lisation de films courbÃ©s non simples de second gradient. Comptes Rendus Mathematique, 2007, 344, 343-347.	0.3	0
31	A remark on the junction in a thin multi-domain: the non convex case. Nonlinear Differential Equations and Applications, 2007, 14, 699-728.	0.8	2
32	A Cantorian potential theory for describing dynamical systems on El Naschieâ€™s spaceâ€“time. Chaos, Solitons and Fractals, 2006, 27, 588-598.	5.1	14
33	JUNCTION IN A THIN MULTIDOMAIN FOR A FOURTH ORDER PROBLEM. Mathematical Models and Methods in Applied Sciences, 2006, 16, 1887-1918.	3.3	31
34	The Relaxation of Some Classes of Variational Integrals with Pointwise Continuous-Type Gradient Constraints. Applied Mathematics and Optimization, 2005, 51, 251-277.	1.6	6
35	DIMENSION REDUCTION PROBLEMS FOR NON SIMPLE GRADE TWO MATERIALS. , 2005, , .		0
36	On the relaxation and the Lavrentieff phenomenon for variational integrals with pointwise measurable gradient constraints. Calculus of Variations and Partial Differential Equations, 2004, 21, 357-400.	1.7	5

#	Article	IF	Citations
37	Second-order analysis for thin structures. Nonlinear Analysis: Theory, Methods & Applications, 2004, 56, 679-713.	1.1	7
38	Lower semicontinuous envelopes in W^{1,1}Ã—L^p. Banach Center Publications, 0, 101, 187-206.	0.1	4
39	Relaxation for an optimal design problem in BD(Î©). Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 0, , 1-43.	1.2	0