

Elvira Zappale

List of Publications by Year in descending order

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39
papers

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#	ARTICLE	IF	CITATIONS
1	JUNCTION IN A THIN MULTIDOMAIN FOR A FOURTH ORDER PROBLEM. <i>Mathematical Models and Methods in Applied Sciences</i> , 2006, 16, 1887-1918.	3.3	31
2	A Model of Joined Beams as Limit of a 2D Plate. <i>Journal of Elasticity</i> , 2011, 103, 205-233.	1.9	26
3	A Cantorian potential theory for describing dynamical systems on \mathbb{R}^n 's space-time. <i>Chaos, Solitons and Fractals</i> , 2006, 27, 588-598.	5.1	14
4	A note on the 3D \rightarrow 2D dimensional reduction of a micromagnetic thin film with nonhomogeneous profile. <i>Applicable Analysis</i> , 2007, 86, 555-575.	1.3	14
5	Existence of Minimizers for NonLevel Convex Supremal Functionals. <i>SIAM Journal on Control and Optimization</i> , 2014, 52, 3341-3370.	2.1	13
6	Dimensional reduction for energies with linear growth involving the bending moment. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2008, 90, 520-549.	1.6	10
7	Optimal design of fractured media with prescribed macroscopic strain. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 449, 1094-1132.	1.0	10
8	Lower semicontinuity and relaxation of nonlocal L^∞ -functionals. <i>Calculus of Variations and Partial Differential Equations</i> , 2020, 59, 1.	1.7	8
9	Second-order analysis for thin structures. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2004, 56, 679-713.	1.1	7
10	Loss of Double-Integral Character During Relaxation. <i>SIAM Journal on Mathematical Analysis</i> , 2021, 53, 351-385.	1.9	7
11	The Relaxation of Some Classes of Variational Integrals with Pointwise Continuous-Type Gradient Constraints. <i>Applied Mathematics and Optimization</i> , 2005, 51, 251-277.	1.6	6
12	Relaxation for an optimal design problem with linear growth and perimeter penalization. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2015, 145, 223-268.	1.2	6
13	A Relaxation Result in the Vectorial Setting and Power Law Approximation for Supremal Functionals. <i>Journal of Optimization Theory and Applications</i> , 2020, 186, 412-452.	1.5	6
14	On the relaxation and the Lavrentieff phenomenon for variational integrals with pointwise measurable gradient constraints. <i>Calculus of Variations and Partial Differential Equations</i> , 2004, 21, 357-400.	1.7	5
15	Relaxation of certain integral functionals depending on strain and chemical composition. <i>Chinese Annals of Mathematics Series B</i> , 2013, 34, 491-514.	0.4	5
16	Relaxation for Optimal Design Problems with Non-standard Growth. <i>Applied Mathematics and Optimization</i> , 2019, 80, 515-546.	1.6	5
17	A lower semicontinuity result in SBD for surface integral functionals of Fracture Mechanics. <i>Asymptotic Analysis</i> , 2011, 72, 231-249.	0.5	4
18	3D \rightarrow 2D dimensional reduction for a nonlinear optimal design problem with perimeter penalization. <i>Comptes Rendus Mathematique</i> , 2012, 350, 1011-1016.	0.3	4

#	ARTICLE	IF	CITATIONS
19	Lower semicontinuous envelopes in $W^{1,1} \tilde{A} - L^p$. Banach Center Publications, 0, 101, 187-206.	0.1	4
20	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
21	Dimensional reduction for supremal functionals. Discrete and Continuous Dynamical Systems, 2012, 32, 1503-1535.	0.9	3
22	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
23	Some relaxation results for functionals depending on constrained strain and chemical composition. Comptes Rendus Mathematique, 2009, 347, 337-342.	0.3	2
24	A relaxation result in $BV \tilde{A} - L^p$ for integral functionals depending on chemical composition and elastic strain. Asymptotic Analysis, 2016, 100, 1-20.	0.5	2
25	Integral representation results in $BV \tilde{A} - L^p$. ESAIM - Control, Optimisation and Calculus of Variations, 2017, 23, 1555-1599.	1.3	2
26	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
27	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
28	Lower Semicontinuity in SBH. Mediterranean Journal of Mathematics, 2008, 5, 221-235.	0.8	1
29	Orlicz equi-integrability for scaled gradients. Journal of Elliptic and Parabolic Equations, 2017, 3, 1-13.	0.9	1
30	Reiterated periodic homogenization of integral functionals with convex and nonstandard growth integrands. Opuscula Mathematica, 2021, 41, 113-143.	0.8	1
31	An optimal design problem with non-standard growth and no concentration effects. Asymptotic Analysis, 2021, , 1-28.	0.5	1
32	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
33	Modélisation de films courbés non simples de second gradient. Comptes Rendus Mathematique, 2007, 344, 343-347.	0.3	0
34	Dimension reduction for \hat{a}^1 . ESAIM - Control, Optimisation and Calculus of Variations, 2014, 20, 42-77.	1.3	0
35	Some remarks about dimension reduction for \hat{a}^1 . Asymptotic Analysis, 2015, 92, 187-202.	0.5	0
36	DIMENSION REDUCTION PROBLEMS FOR NON SIMPLE GRADE TWO MATERIALS. , 2005, , .		0

#	ARTICLE	IF	CITATIONS
37	A note about weak * lower semicontinuity for functionals with linear growth in $W^{1,1} \tilde{A} - L^1$. Journal of Elliptic and Parabolic Equations, 2017, 3, 93-103.	0.9	0
38	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
39	Relaxation for an optimal design problem in $\langle i \rangle BD \langle /i \rangle (\hat{I} \circledast)$. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 0, , 1-43.	1.2	0