

ADRIANO PISANTE

Curriculum Vitae

Rome, September 30, 2021

Personal Data

- Full Name: Adriano Pisante
- Citizenship: Italian
- Work Address: Dipartimento di Matematica, SAPIENZA Università di Roma, P.le A. Moro 5, 00185 Roma (Italy)
- Phone number: (+39) 06 49913204 (work)
- E-mail: adriano.pisante@uniroma1.it
- Homepage: <http://www.mat.uniroma1.it/people/pisante/>
- Spoken languages: Italian (native), English, French

Education

- February 13, 2002: *Doctor Philosophiae* (Ph.D.) in Mathematics, University of Rome "La Sapienza", Rome, Italy.
Thesis: *Singular harmonic maps and harmonic heat flow: existence, nonexistence and nonuniqueness results*.
Advisors: Prof. M. Bertsch and R. Dal Passo.
- July 15, 1997: *Master's degree in Mathematics*, University of Rome La Sapienza, Rome, Italy.
Grade: 110/110 *cum laude* (top grade in the Italian system).
Thesis: *Stabilità di soluzioni ondose per equazioni paraboliche quasilineari*. (In Italian).
Advisor: Prof. A. Tesei.

Academic Appointments

- 2018–Today: Associate Professor (Professore Associato) in Mathematical Analysis at the Department of Mathematics, University of Rome La Sapienza, Italy
- 2005–2017: Assistant Professor (Ricercatore) in Mathematical Analysis at the Department of Mathematics, University of Rome La Sapienza, Italy
- 10/1/2004–12/31/2004: Research Fellow (Assegno di ricerca) at the Department of Mathematics, University of Rome La Sapienza, Italy.
- 6/1/2002–5/31/2004: Research Fellow (Assegno di ricerca) at the Department of Mathematics, University of Rome La Sapienza, Italy.

Habilitations

- *Abilitazione Scientifica Nazionale*, national habilitation to the role of Full Professor, Competitive Section 01/A3, Scientific-Disciplinary Sector MAT/05 (Mathematical Analysis), obtained for the period 27/7/2018- 27/7/2024.
- *Abilitazione Scientifica Nazionale*, national habilitation to the role of Associate Professor, Competitive Section 01/A3, Scientific-Disciplinary Sector MAT/05 (Mathematical Analysis), obtained for the period 3/28/2017- 3/28/2023.

Teaching Activity

- *Bachelor and Master courses* (at the University of Rome La Sapienza):
 - A.Y. 2021-22 *Analisi Funzionale*. Master degree in Mathematics.
 - A.Y. 2021-22 *Istituzioni di Matematica I*. Bachelor in Chemistry
 - A.Y. 2020-21 *Istituzioni di Analisi Superiore*. Master degree in Mathematics.
 - A.Y.2020-21: *Calcolo Differenziale*. Bachelor in Information Sciences
 - A.Y. 2019-20 *Istituzioni di Analisi Superiore*. Master degree in Mathematics.
 - A.Y.2019-2020: *Calcolo*. Bachelor in Biostatistics.
 - A.Y.2018-19: *Calcolo I*. Bachelor in Mathematics.
 - A.Y.2018-19: *Calcolo Differenziale*. Bachelor in Information Sciences
 - A.Y.2017-18: *Analisi II*. Bachelor in Mathematics.
 - A.Y.2016-17: *Analisi II*. Bachelor in Mathematics.
 - A.Y.2015-16: *Analisi*. Bachelor in Physics.
 - A.Y.2014-15: *Analisi*. Bachelor in Physics.
 - A.Y.2012-13: *Analisi Funzionale*. Master degree in Mathematics.
 - A.Y.2011-12: *Calcolo I*. Bachelor in Mathematics.
 - A.Y.2010-11: *Calcolo I, esercitazioni*. Bachelor in Mathematics.
 - A.Y.2009-10: *Calcolo I*. Bachelor in Mathematics.
 - A.Y.2008-09: *Analisi I*. Bachelor in Physics.
 - A.Y.2007-08: *Analisi I*. Bachelor in Physics.
 - A.Y.2006-07: *Derivate ed Integrali*. Bachelor in Physics.
 - A.Y.2005-06: *Calcolo Differenziale*. Bachelor in Information Sciences
- *Graduate courses* (Ph.D. in Mathematics, University of Rome La Sapienza):
 - A.Y. 2013-14 *Metodi topologici e variazionali per operatori di Schrödinger periodici* . In collaboration with Prof. Gianluca Panati, 1/28/2014 - 3/27/2014
 - A.Y. 2008-09 *Introduzione alle varietà di Kähler e teorema di immersione di Kodaira*. In collaboration with Prof. Simone Diverio , 10/28/2008 - 12/16/2008
- Supervisor of *14 Bachelor theses* (at the University of Rome La Sapienza).
 - A.Y. 2018-19 : Elisabetta Baroni, *Frattali autosimilari*. (October 2019)
 - A.Y. 2018-19 : Francesco Pedullà, *Metodo Minmax e orbite periodiche di sistemi Hamiltoniani*. (September 2019)
 - A.Y. 2017-18 : Martin Kolodziejczyk, *Metodo Minmax e geodetiche chiuse su superfici*.
 - A.Y. 2017-18 : Angelo Amoriello, *Interpolazione in spazi di misura*.
 - A.Y. 2015-16 : Eugenio Pozzoli, *Orbite periodiche per sistemi Lagrangiani su varietà*.
 - A.Y. 2011-12 : Enrico Toffoli, *Serie di Fourier e grado topologico*.
 - A.Y. 2012-13 : Lorenzo Dello Schiavo, *Misure di Probabilità e Spazi di Wasserstein*.
 - A.Y. 2012-13 : Dario Feliciangeli, *Disuguaglianza Isoperimetrica e Funzioni BV*.
 - A.Y. 2012-13 : Michela Peppe, *Teorema di Brouwer e Teorema di Minimax*.
 - A.Y. 2011-12 : Claudia Pochetti, *Trasformata di Fourier e trasformata wavelet*.
 - A.Y. 2011-12 : Marco Prestipino, *Il teorema di Malgrange-Ehrenpreis*.

- A.Y. 2010-11 : Silvia Ghinassi, *Teoremi di Brouwer e Schauder e applicazioni*.
- A.Y. 2009-10 : Vito Felice Zenobi, *La compattificazione di Stone-Chech e il teorema di Gelfand-Naimark commutativo*.
- A.Y. 2005-06 : Luca Belli, *La trasformata di Fourier*.
- Supervisor of 8 Master theses (at the University of Rome La Sapienza).
 - A.Y. 2020-21: Francesco Pedullà, *A stochastic heat equation for loops on Riemannian manifolds*
 - A.Y. 2019-20 : Martin Kolodziejczyk, *Variational method for Stochastic Partial Differential Equations*
 - A.Y. 2019-20 : Yuri Cacchió, *Asymptotic behavior of critical points for the Cahn-Hilliard free energy functional*
 - A.Y. 2014-15 : Lorenzo Dello Schiavo, *Heat equation on metric measure spaces*.
 - A.Y. 2013-14 : Simone Casalvieri, *Compattificazione Visuale e Compattificazione di Martin per varietà di Cartan-Hadamard*.
 - A.Y. 2013-14 : Valerio Vallocchia, *Alcuni risultati asintotici per il modello di Landau-De Gennes*.
 - A.Y. 2013-14 : Giovanna Marcelli, *Metodi di Bloch-Floquet per il Laplaciano ergodico*. (co-advisor; advisor Prof. Gianluca Panati).
 - A.Y. 2007-08: Federico Cacciafesta, *Spazi di Hardy, dualita' H1-BMO e applicazioni*.
- Supervisor of 1 Ph.D. student (at the University of Rome La Sapienza).
 - A.Y. 2016- 2019 : Federico Luigi Dipasquale, *Variational problems in the Landau-De Gennes model of liquid crystals*.
- Supervisor of 3 postdocs (at the University of Rome La Sapienza).
 - A.Y. 2017-2018 : Dr. Eugenio Vecchi; A.Y. 2014-2015 : Dr. Giovanni Franzina; A.Y. 2012-13 : Dr. Tien Duc Luu.

Funding information

- Principal Investigator of the University Research Project Sapienza 2020 - "Metodi variazionali per lo studio della statica e la dinamica di sistemi complessi in matematica pura e applicata." - prot. RM12017299763014
- Individual fellowship "Finanziamento Annuale Individuale delle Attività Base di Ricerca" (FFABR), March 2018-August 2019.
- Principal Investigator of the University Research Project Sapienza 2014 - "Metodi variazionali per lo studio dei sistemi in equilibrio e delle loro fluttuazioni." - prot. C26A14M9KE
- Principal Investigator of the University Research Project Sapienza 2013 - "Metodi variazionali per la statica e la dinamica di singularità topologiche e transizioni di fase" - prot. C26A13PW79
- Principal Investigator of the University Research Project Sapienza 2012 - "Analisi di sistemi in equilibrio e loro fluttuazioni con metodi variazionali." - prot. C26A12NKXN

Participation to Research Projects

- Participation to a project GNAMPA 2020 "Analisi di alcuni modelli variazionali per cristalli liquidi", principal investigator Giacomo Canevari

- Participation in the following Italian Projects of National Interest (Progetti di Ricerca di Interesse Nazionale - PRIN):
 - 2017-18-19 - "Variational methods for stationary and evolution problems with singularities and interfaces" - prot. 2017BTM7SN_004; principal investigator Prof. Gianni Dal Maso;
 - 2010-11 - "Calcolo delle Variazioni" - prot. 2010A2TFX2_003; principal investigator Prof. Gianni Dal Maso;
 - 2008 - "Metodi e modelli variazionali nella meccanica dei materiali" - prot. 2008RH3K5F_004; principal investigator Prof. Gianni Dal Maso;
 - 2006 - "Omogeneizzazione e metodi variazionali in matematica applicata" - prot. 2008RH3K5F_004; principal investigator Prof. Gianni Dal Maso;
- Participation in several University Research Projects Sapienza in the years 2009-2010-2011 and 2015-2016-2017-2018 (principal investigators Prof. Marcello Ponsiglione, Prof. Adriana Garroni, Prof. Nadia Ansini).

Services to the mathematical community

- Co-organizer of the Colloquium Guido Castelnuovo, A.Y. 2018-19, 2019-20.
- Board member for the Ph.D in Mathematics at University of Rome "La Sapienza", A.Y. 2018-19 - present
- Organization of conferences:
 - "Meeting on Applied Mathematics and Calculus of Variations", with A.Garroni, A.Malusa e M.Ponsiglione. Roma, 6/10/2010-6/12/2010
 - "Meeting on Applied Mathematics and Calculus of Variations", with R.Alicandro, A.Garroni, M.Ponsiglione. Roma, 9/4/2012- 9/7/2012
- Referee for several scientific journals, among them: *ARMA*, *JEMS*, *J. Differential Equations*, *J.Functional Analysis*, *C.R.A.S. (Comptes Rendus Mathématique. Académie des Sciences. Paris)*, *J.Fixed Point theory and applications*, *NoDEA Nonlinear Differential Equations Appl.*, *Annales scientifiques de l'ENS*
- Member of the committee for a two-year PostDoc position at the Department of Mathematics, University of Rome "La Sapienza", A.Y. 2019-20
- Member of the admission committee for the Ph.D in Mathematics at University of Rome "La Sapienza", A.Y. 2020-21, A.Y. 2015-16, A.Y. 2008-09
- Member of the Ph.D. final evaluation committee of Dr.R.Fortini (with Prof. Pierpaolo Esposito and Pr. David Ruiz), December 2013, University of Rome Tor Vergata.
- Co-organizer of the PDE's seminar A.Y. 2006-07, 2007-08, 2008-09, 2009-2010, Department of Mathematics, University of Rome "La Sapienza".

Research Visiting Positions

- Department of Mathematics, University of Trento; 3/06/19 - 6/06/2019, invited by Prof. Gian Paolo Leonardi.
- Institute for Applied Mathematics, University of Bonn; 7/05/19-10/05/19, invited by Dr. Alessia Nota.
- Department of Mathematics, University of Paris VII; 24/03/19 - 29/03/19, 22/05/18 - 1/06/2018, invited by Dr. Vincent Millot.
- Department of Mathematics, University of Zurich; 20.05.17 - 03.06.17, 5/31/2016 - 6/12/2016, 5/2/2015 - 6/13/2015, 5/11/2014 - 5/31/2014, 5/26/2007 - 6/10/2007, invited by Prof. Camillo De Lellis.

- ENS, École normale supérieure of Paris; A.Y. 2015-16, 1-month invited professor position, (official stay 4/11/2016 - 4/26/2016 and 5/12/2016 - 5/28/2016).
- MPI, Max Planck Institute, Leipzig; 11/16/2014 - 11/29/2014 , 11/24/2013 - 11/30/2013 , 11/20/2012 - 11/28/2012; invited by Prof. Emanuele Spadaro.
- Université Catholique de Louvain, 10/14/2013 -10/18/2013; invited by Prof. Jean Van Schaftingen.
- MFO, Oberwolfach conference, 7/22/2012 - 7/28/2012; organizers Prof. Camillo De Lellis, Gerard Huisken and Bob Jerrard.
- OCCAM, Oxford center of collaborative applied mathematics, 3/12/2012 - 3/16/2012. Invited by Dr. Apala Majumdar.
- Universidad del Pais Vasco, Bilbao. 4/16/2010 - 4/22/2010. Invited by Prof. Luis Vega.
- Laboratoire d'Analyse Numerique, University of Paris VI. 7/1/2007 - 7/15/2007. Invited by Prof. Fabrice Bethuel.
- Carnegie Mellon University of Pittsburgh. 3/10/2007 - 3/31/2007. Invited by Prof. Irene Fonseca.
- Laboratoire d'Analyse Numerique, University of Paris VI. 5/3/2006 - 6/4/2006, 5/4/2005 - 6/25/2005 , 5/3/2004 - 7/7/2004, 5/3/2003 - 7/4/2003. European TMR project. Invited by Prof. Haim Brezis.
- Department of Mathematics, Rice University of Houston Texas (USA). 3/26/2003 - 4/24/2003. Invited by Prof. Robert Hardt.

Invited talks in other departments of mathematics:

- 2019: Institute for Applied Mathematics, University of Bonn.
- 2018: University of Paris VII; University of Milano-Politecnico; University of Roma Tor Vergata;
- 2017: University of Zurich; University of Napoli; University of Pisa;
- 2016: CAMS-EHESS Paris;
- 2015: University of Padova; University of Cosenza;
- 2014: University of Zurich; University of Milano;
- 2013: University of Roma Tor Vergata; Université Catholique de Louvain; University of Parma; University of Milano-Bicocca;
- 2012: MPI, Leipzig;
- 2011: SISSA, Trieste;
- 2010: Universidad del Pais Vasco di Bilbao;
- 2009: University of Verona;
- 2008: University of Roma Tor Vergata;
- 2007: University of Zurich; CMU, Pittsburgh;
- 2005: Laboratoire JLL, Paris VI;
- 2003: Laboratoire JLL, Paris VI; Rice University, Houston.

Invited talks at International Workshops and Conferences

- 8th European Congress of Mathematics, Minisimposium "Variational and evolutionary models involving local/nonlocal interactions", Portorož, Slovenia, 20-26 June 2021
- "XXX Convegno Nazionale di Calcolo delle Variazioni", Levico Terme , 2/3/2020 - 2/7/2020
- Workshop "Variational Problems in Physics," Toulouse, 20-24 May 2019
- "XXVII Convegno Nazionale di Calcolo delle Variazioni", Levico Terme , 6/2/2017 - 2/10/2017
- "Nonlinear Evolution Problems", Roma, 6/25/2014 - 6/27/2014.
- "Dispersive PDEs: Models and Dynamics", Pisa, 9/18/2013 - 9/20/2013.
- "Blow-up, Dispersion and Solitons", Roma, 11/5/2012 - 11/9/2012
- "ERC Workshop on Geometric Partial Differential Equations", Pisa, 9/10/2012 - 9/14/2012
- "XXI Convegno Nazionale di Calcolo delle Variazioni", Levico Terme , 2/6/2011 - 2/11/2011
- "Nonlinear Phenomena: A View From Mathematics And Physics ", Taipei, 1/10/2011 - 1/14/2011
- "Differential and topological problems in modern theoretical physics", SISSA (Trieste), 4/26/2010 - 4/30/2010
- "Meeting on Applied Mathematics and Calculus of Variations ", Roma, 6/9/2008 - 6/11/2008
- "Singularities in nonlinear evolution phenomena and applications", Pisa, 5/26/2008 - 5/29/2008
- "XVIII Convegno Nazionale di Calcolo delle Variazioni", Levico Terme, 2/10/2008 - 2/15/2008
- "Recent Advances in Calculus of Variations and PDE's", Pisa , 3/3/2005 - 3/5/2005
- "Two weeks on Global Analysis", Pisa, 2/14/2005 - 2/18/2005

Main Research Topics

- *Variational problems in Mathematical Physics*: construction and localization of Wannier functions in periodic crystals [4,14,23,26]; symmetry and qualitative properties of minimizers for Ginzburg-Landau [16,17,24] and Landau-De Gennes functionals [1,2,7,12,25].
- *Nonlocal variational problems*: energy functionals in fractional Sobolev spaces with lack of compactness, bubbling and concentration phenomena, for real-valued [10,11,13] and circle-valued maps [18,20].
- *Singular limits in geometric analysis and statistical mechanics*: construction of minimal surfaces with prescribed boundary at infinity [15]; approximation of mean curvature flows on manifolds [8,9]; stochastic fluctuations around mean curvature flows [6] and nonlocal approximations of the mean curvature flow [3].
- *Parabolic evolution problems*: Instability of singular Yamabe metrics [19]; nonuniqueness for the harmonic heat flows [21,22]; well-posedness for a stochastic Allen-Cahn equation [5].

Research Bibliometric Parameters (updated on September 2021)

- Scopus: 20 documents, 366 citations, average citations 18.3, h -index 9, normalized h -index 0.4.¹
- Mathscinet: 23 documents, 326 citations, average citations 14.17, h -index 8, normalized h -index 0.47.

¹The normalized h -index is the h -index divided by the academic seniority. According to the competition notice, the academic seniority is 19 years, i.e., the largest integer number of years in the period between the date of obtaining the Ph.D. (February 13, 2002) and the deadline of the competition (October 2, 2021).

- Isi Web of Science: 23 documents, 377 citations, average citations 16.39, *h*-index 8, normalized *h*-index 0.42.
- Google Scholar: 28 documents, 616 citations, average citations 21, *h*-index 11, normalized *h*-index 0.57.
- **Total impact factor** (sum of individual IF of each publication): Isi Web of Science 27.8 (sum of IF), Scopus 43.667 (sum of SJR);
- **Average impact factor** (total divided by number of publications): Isi Web o Science 1.2, Scopus 2.18;

Peer-reviewed journal articles

1. F.DIPASQUALE, V. MILLOT, A. PISANTE. Torus-like solutions for the Landau-de Gennes model. Part I: the Lyuksyutov regime.
ARCHIVE FOR RATIONAL MECHANICS AND ANALYSIS 239 (2), 599-678 (2021).
ISSN: 0003-9527, doi: 10.1007/s00205-020-01582-8
IF 2.793, SJR 2.933, Citescore 4.3 (2020, 2021 not yet available)
2. A. PISANTE. Torus-like solutions for the Landau-De Gennes model.
ANNALES DE LA FACULTÉ DES SCIENCES DE TOULOUSE: MATHÉMATIQUE 30 (2), 301-326 (2021). <https://afst.centre-mersenne.org/articles/10.5802/afst.1676/>
e-ISSN : 2258-7519 , doi : 10.5802/afst.1676.
no journal records on WOS or SCOPUS
3. L. BERTINI, P. BUTTÀ, A. PISANTE. On large deviations of interface motions for statistical mechanics models.
ANNALES HENRI POINCARÉ. A Journal of Theoretical and Mathematical Physics. Vol.20, No. 6, pp. 1785-1821 (2019).
ISSN: 1424-0637, doi: 10.1007/s00023-019-00790-7
IF 1.489, SJR 1.214, CiteScore 1.68
4. D.MONACO, G.PANATI, A. PISANTE. Optimal decay of Wannier functions in Chern and Quantum Hall insulators.
COMMUNICATIONS IN MATHEMATICAL PHYSICS, Vol. 359, No. 1, pp. 61-100 (2018).
ISSN: 00103616, doi: 10.1007/s00220-017-3067-7
IF 2.23, SJR 1.7, CiteScore 2.42
5. L. BERTINI, P. BUTTÀ, A. PISANTE. Stochastic Allen-Cahn equation with mobility. NONLINEAR DIFFERENTIAL EQUATIONS AND APPLICATIONS, Vol. 24, No. 5, 38 pages (2017).
ISSN: 10219722, doi: 10.1007/s00030-017-0477-3
IF 1.04, SJR 1.27, CiteScore 1.01
6. L.BERTINI, P. BUTTÀ, A.PISANTE. Stochastic Allen-Cahn approximation of the mean curvature flow: large deviations upper bound.
ARCHIVE FOR RATIONAL MECHANICS AND ANALYSIS, Vol. 224, No. 2, pp. 659-707 (2017).
ISSN: 0003-9527, doi: 10.1007/s00205-017-1086-3
IF 2.44, SJR 3.93, Citescore 2.53
7. D.HENAO, A.MAJUMDAR, A.PISANTE. Uniaxial versus biaxial character of nematic equilibria in three dimensions.
CALC. VAR. PARTIAL DIFFERENTIAL EQUATIONS, Vol. 56, No. 2, 22 pp. (2017).
E-ISSN: 1432-0835, doi: 10.1007/s00526-017-1142-8
IF 1.74, SJR 3.35, CiteScore 1.82

8. A.PISANTE, FPUNZO. Allen-Cahn approximation of mean curvature flow in Riemannian manifolds I, uniform estimates.
ANN. SC. NORM. SUPER. PISA CL. SCI. (5), Vol. 15, pp. 309-341 (2016).
ISSN: 0391-173X
IF 0.81, SJR 1.79, CiteScore 0.80
9. A.PISANTE, FPUNZO. Allen-Cahn approximation of mean curvature flow in Riemannian manifolds II: Brakke's flows.
COMMUN. CONTEMPORARY MATHEMATICS, Vol. 17, No. 5, 1450041, 35 pp. (2015).
ISSN: 0391-173X, doi: 10.1142/S0219199714500412
IF 1.16, SJR 1.36, CiteScore 1.05
10. G.PALATUCCI, A.PISANTE, Y.SIRE. Subcritical approximation of a Yamabe-type nonlocal equation: a Gamma-convergence approach.
ANN. SC. NORM. SUPER. PISA CL. SCI. (5), Vol. 14, No. 3, pp. 819-840 (2015).
ISSN: 0219-1997,
IF 0.89, SJR 1.68
11. G.PALATUCCI, A.PISANTE. A Global Compactness type result for Palais-Smale sequences in fractional Sobolev spaces.
NONLINEAR ANALYSIS, Vol. 117, pp.1-7 (2015).
ISSN: 0362-546X, doi: 10.1016/j.na.2014.12.027
IF 1.12, SJR 1.47, CiteScore 1.38
12. A.PISANTE. Symmetry in nonlinear PDEs: Some open problems.
J. FIXED POINT THEORY APPL., Vol. 15, No. 2, pp. 299-320 (2014).
ISSN: 1661-7738, doi: 10.1007/s11784-014-0181-4
IF 0.54, SJR 0.42, CiteScore 0.47
13. G.PALATUCCI, A.PISANTE. Improved Sobolev embeddings, profile decomposition, and concentration-compactness for fractional Sobolev spaces.
CALC. VAR. PARTIAL DIFFERENTIAL EQUATIONS, Vol. 50, No. 3-4, pp. 799-829 (2014).
ISSN: 0944-2669, doi: 10.1007/s00526-013-0656-y
IF 1.52, SJR 2.95, CiteScore 1.44
14. G.PANATI, A.PISANTE. Bloch bundles, Marzari-Vanderbilt functional and maximally localized Wannier functions.
COMMUNICATIONS IN MATHEMATICAL PHYSICS, Vol. 322, No. 3, pp. 835-875 (2013).
ISSN: 0010-3616, doi: 10.1007/s00220-013-1741-y
IF 1.9, SJR 1.55, CiteScore 1.93
15. A.PISANTE, M.PONSIGLIONE. Phase transitions and minimal hypersurfaces in hyperbolic space.
COMM. PARTIAL DIFFERENTIAL EQUATIONS, Vol. 36, No. 5, pp. 819-849 (2011).
ISSN: 0360-5302, doi: 10.1080/03605302.2010.531339
IF 0.89, SJR 2.08, CiteScore 1.09
16. A.PISANTE. Two results on the equivariant Ginzburg-Landau vortex in arbitrary dimension.
J.FUNCTIONAL ANALYSIS. Vol. 260, No.3, pp. 892-905 (2011).
ISSN: 0022-1236, doi: 10.1016/j.jfa.2010.09.002
IF 1.08, SJR 2.31, CiteScore 1.13
17. V.MILLOT, A.PISANTE. Symmetry of local minimizers for the three-dimensional Ginzburg-Landau functional.
J.EUROPEAN MATHEMATICAL SOCIETY, Vol. 12. No. 5, pp. 1069-1096 (2010).
ISSN: 1435-9855, doi: 10.4171/JEMS/223
IF 1.35, SJR 3.14

18. V.MILLOT, A.PISANTE. Relaxed energies for $H^{1/2}$ -maps with values into the circle and measurable weights. INDIANA UNIVERSITY MATH. J., Vol. 58, No. 1, pp. 49-136 (2009).
ISSN: 0022-2518
IF 0.91, SJR 1.49
19. A.PISANTE. Hardy inequalities and dynamic instability of singular Yamabe metrics. ANNALES. INST. H. POINCARÉ' ANALYSE NON LINE'AIRE, Vol. 23, No. 5, pp. 591-628. (2006).
ISSN: 0294-1449, doi: 10.1016/j.anihpc.2005.05.006
IF 1.29, SJR 2.63
20. PMIRONESCU, A.PISANTE. A variational problem with lack of compactness for $H^{1/2}(S^1;S^1)$ maps of prescribed degree.
J. FUNCTIONAL ANALYSIS, Vol. 217, No. 2, pp. 249-279. (2004)
ISSN: 0022-1236, doi: 10.1016/j.jfa.2003.12.007
IF 0.96, SJR 2.26
21. A.PISANTE. Reverse bubbling of currents and harmonic heat flows with prescribed singular set. CALC. VAR. PARTIAL DIFFERENTIAL EQUATIONS, Vol. 19, No. 4, pp. 337-378. (2004)
ISSN: 0944-2669, doi:10.1007/s00526-003-0213-1
IF 0.78, SJR 2.08
22. M.BERTSCH, R.DAL PASSO, A.PISANTE. Point singularities and nonuniqueness for the heat flow for harmonic maps.
COMM. PARTIAL DIFFERENTIAL EQUATIONS, Vol. 28, No. 5-6, pp. 1135-1160. (2003).
ISSN: 0360-5302, doi: 10.1081/PDE-120021189
IF 0.87, SJR 2.06

Peer-reviewed conference proceedings

23. A.PISANTE. Maximally localized Wannier functions: existence and exponential localization. Geometric partial differential equations, CRM Series, Vol. 15, pp. 227-250. Ed. Norm., Pisa, (2013).
ISBN 978-88-7642-473-1
24. A.PISANTE. Symmetry of solutions of the Ginzburg-Landau equations: some new results and open problems. Singularities in nonlinear evolution phenomena and applications, CRM Series, Vol. 9, pp. 183-199. Ed. Norm., Pisa, (2009).
ISBN 978-88-7642-343-7

Preprints

25. EDIPASQUALE, V. MILLOT, A. PISANTE. Torus-like solutions for the Landau-de Gennes model. Part II: Topology of \mathbb{Z}_2 -equivariant minimizers
arXiv preprint arXiv:2008.13676
26. D. MONACO, G. PANATI, A. PISANTE, S. TEUFEL. The Localization Dichotomy for gapped periodic quantum systems.
<https://arxiv.org/pdf/1612.09557.pdf>.