

# Petru Mironescu

## List of Publications by Year in descending order

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38  
papers

948  
citations

623734

14  
h-index

434195

31  
g-index

39  
all docs

39  
docs citations

39  
times ranked

340  
citing authors



#	ARTICLE	IF	CITATIONS
19	Prescribing the Jacobian in critical spaces. <i>Journal D'Analyse Mathematique</i> , 2014, 122, 317-373.	0.8	2
20	Uniqueness of vortexless Ginzburg-Landau type minimizers in two dimensions. <i>Calculus of Variations and Partial Differential Equations</i> , 2013, 46, 523-554.	1.7	3
21	A limiting case for the divergence equation. <i>Mathematische Zeitschrift</i> , 2013, 274, 427-460.	0.9	10
22	THE GINZBURG-LANDAU FUNCTIONAL WITH A DISCONTINUOUS AND RAPIDLY OSCILLATING PINNING TERM. PART I: THE ZERO DEGREE CASE. <i>Communications in Contemporary Mathematics</i> , 2011, 13, 885-914.	1.2	9
23	On some inequalities of Bourgain, Brezis, Maz'ya, and Shaposhnikova related to $L^1$ -vector fields. <i>Comptes Rendus Mathematique</i> , 2010, 348, 513-515.	0.3	7
24	Decomposition of $L^1$ -valued maps in Sobolev spaces. <i>Comptes Rendus Mathematique</i> , 2010, 348, 743-746.	0.3	6
25	Lifting default for $L^1$ -valued maps. <i>Comptes Rendus Mathematique</i> , 2008, 346, 1039-1044.	0.3	6
26	Two-parameter homogenization for a Ginzburg-Landau problem in a perforated domain. <i>Networks and Heterogeneous Media</i> , 2008, 3, 461-487.	1.1	9
27	Ginzburg-Landau minimizers with prescribed degrees. Capacity of the domain and emergence of vortices. <i>Journal of Functional Analysis</i> , 2006, 239, 76-99.	1.4	22
28	Lifting, degree, and distributional Jacobian revisited. <i>Communications on Pure and Applied Mathematics</i> , 2005, 58, 529-551.	3.1	37
29	$H^{1/2}$ maps with values into the circle: Minimal Connections, Lifting, and the Ginzburg-Landau equation. <i>Publications Mathematiques De L'Institut Des Hautes Etudes Scientifiques</i> , 2004, 99, 1-115.	4.3	82
30	A variational problem with lack of compactness for $H^{1/2}(S^1; S^1)$ maps of prescribed degree. <i>Journal of Functional Analysis</i> , 2004, 217, 249-279.	1.4	15
31	Ginzburg-Landau minimizers with prescribed degrees: dependence on domain. <i>Comptes Rendus Mathematique</i> , 2003, 337, 375-380.	0.3	4
32	Limiting embedding theorems for $W^{s,p}$ when $s \geq 1$ and applications. <i>Journal D'Analyse Mathematique</i> , 2002, 87, 77-101.	0.8	149
33	Gagliardo-Nirenberg, composition and products in fractional Sobolev spaces. <i>Journal of Evolution Equations</i> , 2001, 1, 387-404.	1.1	133
34	On the structure of the Sobolev space $H^{1/2}$ with values into the circle. <i>Comptes Rendus Mathematique</i> , 2000, 331, 119-124.	0.5	39
35	Lifting in Sobolev spaces. <i>Journal D'Analyse Mathematique</i> , 2000, 80, 37-86.	0.8	120
36	Ginzburg-landau type energy with discontinuous constraint. <i>Journal D'Analyse Mathematique</i> , 1999, 77, 1-26.	0.8	73

#	ARTICLE	IF	CITATIONS
37	Degree and Sobolev spaces. <i>Topological Methods in Nonlinear Analysis</i> , 1999, 13, 181.	0.2	25
38	Remarks on nonminimizing solutions of a Ginzburg-Landau type equation. <i>Asymptotic Analysis</i> , 1996, 13, 199-215.	0.5	8