

Michał Kowalczyk

List of Publications by Year in descending order

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29
papers

1,039
citations

489802

18
h-index

536525

29
g-index

29
all docs

29
docs citations

29
times ranked

337
citing authors

#	ARTICLE	IF	CITATIONS
1	A hybrid variational principle for the Keller–Segel system in \mathbb{R}^2 . ESAIM: Mathematical Modelling and Numerical Analysis, 2015, 49, 1553-1576.	0.8	33
2	Transversal instability for the thermodiffusive reaction-diffusion system. Chinese Annals of Mathematics Series B, 2015, 36, 871-882.	0.2	1
3	Singly Periodic Solutions of the Allen-Cahn Equation and the Toda Lattice. Communications in Partial Differential Equations, 2015, 40, 329-356.	1.0	7
4	End-to-end construction for the Allen–Cahn equation in the plane. Calculus of Variations and Partial Differential Equations, 2015, 52, 281-302.	0.9	12
5	Symmetry breaking of nematic umbilical defects through an amplitude equation. Physical Review E, 2014, 90, 012507.	0.8	20
6	Improved interpolation inequalities on the sphere. Discrete and Continuous Dynamical Systems - Series S, 2014, 7, 695-724.	0.6	11
7	Traveling Waves with Multiple and Nonconvex Fronts for a Bistable Semilinear Parabolic Equation. Communications on Pure and Applied Mathematics, 2013, 66, 481-547.	1.2	23
8	Sharp Interpolation Inequalities on the Sphere: New Methods and Consequences. Chinese Annals of Mathematics Series B, 2013, 34, 99-112.	0.2	22
9	Entire solutions of the Allen-Cahn equation and complete embedded minimal surfaces of finite total curvature in \mathbb{R}^3 . Journal of Differential Geometry, 2013, 93, .	0.5	37
10	On De Giorgi's conjecture and beyond. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6845-6850.	3.3	13
11	The space of 4-ended solutions to the Allen–Cahn equation in the plane. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2012, 29, 761-781.	0.7	21
12	Towards classification of multiple-end solutions to the Allen-Cahn equation in \mathbb{R}^2 . Networks and Heterogeneous Media, 2012, 7, 837-855.	0.5	5
13	On De Giorgi's conjecture in dimension $N \geq 9$. Annals of Mathematics, 2011, 174, 1485-1569.	2.1	165
14	Interface Foliation near Minimal Submanifolds in Riemannian Manifolds with Positive Ricci Curvature. Geometric and Functional Analysis, 2010, 20, 918-957.	0.6	39
15	Multiple-end solutions to the Allen–Cahn equation in \mathbb{R}^2 . Journal of Functional Analysis, 2010, 258, 458-503.	0.7	70
16	The Toda system and multiple-end solutions of autonomous planar elliptic problems. Advances in Mathematics, 2010, 224, 1462-1516.	0.5	43
17	The Jacobi-Toda system and foliated interfaces. Discrete and Continuous Dynamical Systems, 2010, 28, 975-1006.	0.5	10
18	The Toda System and Clustering Interfaces in the Allen–Cahn equation. Archive for Rational Mechanics and Analysis, 2008, 190, 141-187.	1.1	49

#	ARTICLE	IF	CITATIONS
19	Critical points of the regular part of the harmonic Green function with Robin boundary condition. <i>Journal of Functional Analysis</i> , 2008, 255, 1057-1101.	0.7	7
20	A counterexample to a conjecture by De Giorgi in large dimensions. <i>Comptes Rendus Mathematique</i> , 2008, 346, 1261-1266.	0.1	22
21	Renormalized energy of interacting Ginzburg-Landau vortex filaments. <i>Journal of the London Mathematical Society</i> , 2008, 77, 647-665.	0.5	3
22	Resonance and Interior Layers in an Inhomogeneous Phase Transition Model. <i>SIAM Journal on Mathematical Analysis</i> , 2007, 38, 1542-1564.	0.9	22
23	Concentration on curves for nonlinear Schrödinger Equations. <i>Communications on Pure and Applied Mathematics</i> , 2007, 60, 113-146.	1.2	135
24	Variational reduction for Ginzburg-Landau vortices. <i>Journal of Functional Analysis</i> , 2006, 239, 497-541.	0.7	27
25	Nonlinear Schrödinger equations: concentration on weighted geodesics in the semi-classical limit. <i>Comptes Rendus Mathematique</i> , 2005, 341, 223-228.	0.1	3
26	Singular limits in Liouville-type equations. <i>Calculus of Variations and Partial Differential Equations</i> , 2005, 24, 47-81.	0.9	161
27	Multi-bump ground states of the Gierer-Meinhardt system in \mathbb{R}^2 . <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2003, 20, 53-85.	0.7	31
28	Boundary spikes in the Gierer-Meinhardt system. <i>Communications on Pure and Applied Analysis</i> , 2002, 1, 437-456.	0.4	13
29	THE GIERER & MEINHARDT SYSTEM: THE BREAKING OF HOMOCLINICS AND MULTI-BUMP GROUND STATES. <i>Communications in Contemporary Mathematics</i> , 2001, 03, 419-439.	0.6	34