

# Marek Izydorek

## List of Publications by Year in descending order

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29  
papers

434  
citations

1163117

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h-index

713466

21  
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29  
all docs

29  
docs citations

29  
times ranked

113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Homoclinic solutions for a class of the second order Hamiltonian systems. Journal of Differential Equations, 2005, 219, 375-389.	2.2	225
2	Homoclinic solutions for nonautonomous second order Hamiltonian systems with a coercive potential. Journal of Mathematical Analysis and Applications, 2007, 335, 1119-1127.	1.0	56
3	A Cohomological Conley Index in Hilbert Spaces and Applications to Strongly Indefinite Problems. Journal of Differential Equations, 2001, 170, 22-50.	2.2	28
4	Equivariant Conley index in Hilbert spaces and applications to strongly indefinite problems. Nonlinear Analysis: Theory, Methods & Applications, 2002, 51, 33-66.	1.1	20
5	Heteroclinic solutions for a class of the second order Hamiltonian systems. Journal of Differential Equations, 2007, 238, 381-393.	2.2	16
6	Otopy classes of equivariant maps. Journal of Fixed Point Theory and Applications, 2010, 7, 145-160.	1.1	11
7	Antipodal Coincidence for Maps of Spheres into Complexes. Proceedings of the American Mathematical Society, 1995, 123, 1947.	0.8	9
8	On the Conley index in Hilbert spaces in the absence of uniqueness. Fundamenta Mathematicae, 2002, 171, 31-52.	0.5	9
9	On parametrized Borsuk-Ulam theorem for free $Z_p$ -action. Lecture Notes in Mathematics, 1992, , 227-234.	0.2	7
10	Bifurcations of Bounded Solutions of 1-Parameter ODE's. Journal of Differential Equations, 1996, 130, 267-276.	2.2	5
11	Homotopy invariance of the Conley index and local Morse homology in Hilbert spaces. Journal of Differential Equations, 2017, 263, 7162-7186.	2.2	5
12	Nonsymmetric version of Bourgin-Yang theorem for multi-valued maps and free $Z_p$ -actions. Journal of Mathematical Analysis and Applications, 1989, 137, 349-353.	1.0	4
13	Bourgin-Yang type theorem and its application to $S^2$ -equivariant Hamiltonian systems. Transactions of the American Mathematical Society, 1999, 351, 2807-2831.	0.9	4
14	The shadowing chain lemma for singular Hamiltonian systems involving strong forces. Open Mathematics, 2012, 10, .	1.0	4
15	On relations between gradient and classical equivariant homotopy groups of spheres. Journal of Fixed Point Theory and Applications, 2012, 12, 49-58.	1.1	4
16	Homoclinics for singular strong force Lagrangian systems. Advances in Nonlinear Analysis, 2019, 9, 644-653.	2.6	4
17	Multiple solutions of indefinite elliptic systems via a Galerkin-type Conley index theory. Fundamenta Mathematicae, 2003, 176, 233-249.	0.5	4
18	On the Structure of the Set of Bifurcation Points for Ordinary Differential Equations. Journal of Differential Equations, 1994, 107, 418-427.	2.2	3

#	ARTICLE	IF	CITATIONS
19	Bifurcation of equilibrium forms of an elastic rod on a two-parameter Winkler foundation. <i>Nonlinear Analysis: Real World Applications</i> , 2018, 39, 451-463.	1.7	3
20	Conley index in Hilbert spaces and a problem of Angenent and van der Vorst. <i>Fundamenta Mathematicae</i> , 2002, 173, 77-100.	0.5	3
21	Connecting orbits for a periodically forced singular planar Newtonian system. <i>Journal of Fixed Point Theory and Applications</i> , 2012, 12, 59-67.	1.1	2
22	Two families of infinitely many homoclinics for singular strong force Hamiltonian systems. <i>Journal of Fixed Point Theory and Applications</i> , 2014, 16, 301-311.	1.1	2
23	The Maslov index and the spectral flow – revisited. <i>Fixed Point Theory and Applications</i> , 2019, 2019, .	1.1	2
24	The equivariant spectral flow and bifurcation of periodic solutions of Hamiltonian systems. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2021, 211, 112475.	1.1	2
25	On the number of bifurcation branches of $C^2$ -maps. <i>Journal of Mathematical Analysis and Applications</i> , 1992, 168, 218-224.	1.0	1
26	THE LS-INDEX: A SURVEY. , 2006, , 277-320.		1
27	A note on the existence of heteroclinic connecting orbits in the Belousov-Zhabotinskii system. <i>Journal of Mathematical Chemistry</i> , 1994, 15, 115-121.	1.5	0
28	Homoclinics for singular strong force Lagrangian systems in $\mathbb{R}^N$ . <i>Calculus of Variations and Partial Differential Equations</i> , 2021, 60, 1.	1.7	0
29	A convergence result for mountain pass periodic solutions of perturbed Hamiltonian systems. <i>Communications in Contemporary Mathematics</i> , 0, , .	1.2	0