

Pj Mckenna

List of Publications by Year in descending order

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39
papers

1,130
citations

394421

19
h-index

377865

34
g-index

39
all docs

39
docs citations

39
times ranked

284
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Orbital stability investigations for travelling waves in a nonlinearly supported beam. <i>Journal of Differential Equations</i> , 2019, 268, 80-114. | 2.2 | 5 |
| 2 | An abstract theorem in nonlinear analysis and two applications. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 438, 720-737. | 1.0 | 0 |
| 3 | Mesh-independent a priori bounds for nonlinear elliptic finite difference boundary value problems. <i>Journal of Mathematical Analysis and Applications</i> , 2014, 419, 496-524. | 1.0 | 0 |
| 4 | On travelling waves in a suspension bridge model as the wave speed goes to zero. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2011, 74, 3998-4001. | 1.1 | 10 |
| 5 | High frequency shaking induced by low frequency forcing: Periodic oscillations in a spring-cable system. <i>Nonlinear Analysis: Real World Applications</i> , 2010, 11, 4312-4325. | 1.7 | 3 |
| 6 | The existence of ground states for fourth-order wave equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2010, 73, 367-373. | 1.1 | 16 |
| 7 | Very weak solutions with boundary singularities for semilinear elliptic Dirichlet problems in domains with conical corners. <i>Journal of Mathematical Analysis and Applications</i> , 2009, 352, 496-514. | 1.0 | 7 |
| 8 | A uniqueness result for a semilinear elliptic problem: A computer-assisted proof. <i>Journal of Differential Equations</i> , 2009, 247, 2140-2162. | 2.2 | 20 |
| 9 | A priori bounds for semilinear equations and a new class of critical exponents for Lipschitz domains. <i>Journal of Functional Analysis</i> , 2007, 244, 220-246. | 1.4 | 22 |
| 10 | Gidas-Nirenberg results for finite difference equations: Estimates of approximate symmetry. <i>Journal of Mathematical Analysis and Applications</i> , 2007, 334, 206-222. | 1.0 | 6 |
| 11 | A computer-assisted existence and multiplicity proof for travelling waves in a nonlinearly supported beam. <i>Journal of Differential Equations</i> , 2006, 224, 60-97. | 2.2 | 38 |
| 12 | Multiplicity results for a class of asymmetric weakly coupled systems of second-order ordinary differential equations. <i>Boundary Value Problems</i> , 2005, 2005, 702485. | 0.7 | 1 |
| 13 | Multiple solutions for a semilinear boundary value problem: a computational multiplicity proof. <i>Journal of Differential Equations</i> , 2003, 195, 243-269. | 2.2 | 72 |
| 14 | A singular Gierer-Meinhardt system of elliptic equations: the classical case. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2003, 55, 521-541. | 1.1 | 21 |
| 15 | Multiple Solutions for a Semilinear Boundary Value Problem: A Computational Multiplicity Proof. <i>Journal of Mathematical Analysis and Applications</i> , 2000, 251, 710-715. | 1.0 | 0 |
| 16 | A singular Gierer-Meinhardt system of elliptic equations. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2000, 17, 503-522. | 1.4 | 23 |
| 17 | Solitary Waves in Nonlinear Beam Equations: Stability, Fission and Fusion. <i>Nonlinear Dynamics</i> , 2000, 21, 31-53. | 5.2 | 26 |
| 18 | Symmetry and multiplicity for nonlinear elliptic differential equations with boundary blow-up. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1997, 28, 1213-1225. | 1.1 | 42 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Traveling Waves in a Nonlinearly Suspended Beam: Theoretical Results and Numerical Observations. Journal of Differential Equations, 1997, 136, 325-355. | 2.2 | 111 |
| 20 | Open problems in nonlinear ordinary boundary value problems arising from the study of large-amplitude periodic oscillations in suspension bridges. , 1996, , 349-358. | | 1 |
| 21 | A singular elliptic boundary value problem. Applied Mathematics and Computation, 1994, 65, 183-194. | 2.2 | 7 |
| 22 | Nonlinear periodic flexing in a floating beam. Journal of Computational and Applied Mathematics, 1994, 52, 287-303. | 2.0 | 2 |
| 23 | On a problem of Bieberbach and Rademacher. Nonlinear Analysis: Theory, Methods & Applications, 1993, 21, 327-335. | 1.1 | 118 |
| 24 | A mountain pass method for the numerical solution of semilinear elliptic problems. Nonlinear Analysis: Theory, Methods & Applications, 1993, 20, 417-437. | 1.1 | 132 |
| 25 | A symmetry theorem and applications to nonlinear partial differential equations. Journal of Differential Equations, 1988, 72, 95-106. | 2.2 | 47 |
| 26 | Large scale oscillatory behaviour in loaded asymmetric systems. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 1987, 4, 243-274. | 1.4 | 82 |
| 27 | On the multiplicity of the solution set of some nonlinear boundary value problemsâ€”II. Nonlinear Analysis: Theory, Methods & Applications, 1986, 10, 805-812. | 1.1 | 10 |
| 28 | Multiplicity of solutions of nonlinear boundary value problems with nonlinearities crossing several higher eigenvalues.. Journal Fur Die Reine Und Angewandte Mathematik, 1986, 1986, 184-200. | 0.9 | 13 |
| 29 | Multiplicity results for a semilinear boundary value problem with the nonlinearity crossing higher Eigenvalues. Nonlinear Analysis: Theory, Methods & Applications, 1985, 9, 335-350. | 1.1 | 14 |
| 30 | Multiple solutions of two point boundary value problems with jumping nonlinearities. Journal of Differential Equations, 1985, 59, 266-281. | 2.2 | 24 |
| 31 | Multiplicity results for a class of semilinear elliptic and parabolic boundary value problems. Journal of Mathematical Analysis and Applications, 1985, 107, 371-395. | 1.0 | 46 |
| 32 | Critical point theory and boundary value problems with nonlinearities crossing multiple eigenvalues. Communications in Partial Differential Equations, 1985, 10, 107-150. | 2.2 | 32 |
| 33 | On the multiplicity of the solution set of some nonlinear boundary value problems. Nonlinear Analysis: Theory, Methods & Applications, 1984, 8, 893-907. | 1.1 | 24 |
| 34 | Recent Multiplicity Results for Nonlinear Boundary Value Problems. North-Holland Mathematics Studies, 1984, , 391-396. | 0.2 | 2 |
| 35 | Lower bounds for the first eigenvalue of the laplacian, with dirichlet boundary conditions and a theorem of hayman. Applicable Analysis, 1984, 18, 55-66. | 1.3 | 4 |
| 36 | On nonlinear perturbations which cross the eigenvalues. Nonlinear Analysis: Theory, Methods & Applications, 1983, 7, 15-19. | 1.1 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | On the number of solutions of a nonlinear Dirichlet problem. Journal of Mathematical Analysis and Applications, 1981, 84, 282-294. | 1.0 | 106 |
| 38 | On the structure of the set of solutions to some nonlinear boundary-value problems. Journal of Differential Equations, 1980, 35, 183-199. | 2.2 | 4 |
| 39 | Strongly nonlinear perturbations of nonnegative boundary value problems with kernel. Journal of Differential Equations, 1978, 28, 253-265. | 2.2 | 37 |