LISTA DE PUBLICAŢII
Kristály Alexandru

I. Monografii şi capitole de cărţi

1. Kristály A, Radulescu V, Varga Cs, *Variational Principles in Mathematical Physics, Geometry, and Economics,* Encyclopedia of Mathematics and its Applications, No. 136, Cambridge University Press, Cambridge, UK. ISBN-10: 0521117828 | ISBN-13: 9780521117821
   Online: http://www.cambridge.org/catalogue/catalogue.asp?isbn=9780521117821
2. Kristály A, *A Set-Valued Approach to Critical and Equilibrium Points*, Casa Cărţii de Ştiinţă, Cluj-Napoca, Romania, 2009. ISBN: 978-973-133-616-9
3. Kristály A, Varga Cs, *An Introduction to Critical Point Theory for Non-smooth Functions,* Casa Cărţii de Ştiinţă, Cluj-Napoca, Romania, 2004 ISBN: 973-686-604-1
4. Kristály A, Papageorgiou NS, *Study of some semilinear ellipticproblems on Rn via variational methods* [Chapter 5, in 'Handbook of Nonconvex Analysis and Applications', Edited by D.Y. Gao and D.Motreanu. ISBN: 978-1-57146-200-8. Published at 12 November 2010. Publisher: International Press of Boston]. Pagina web: http://intlpress.com/books/9781571462008.php

II. Articole acceptate/publicate în reviste ISI

1. Kristály A, *Nash-type equilibria on Riemannian manifolds: a variational approach,* J MATH PURES APPL (Liouville Journal), 2013, acceptat.
2. Kristály A, S. Ohta, *Caffarelli-Kohn-Nirenberg inequality on metric measure spaces with applications,* MATH ANNALEN, 357:(2) 711-726 (2013).
3. Z. Balogh, Kristály A, *Lions-type compactness and Rubik actions on the Heisenberg group*, CALCULUS OF VARIATIONS AND PDE, 48:(1-2) 89-109 (2013).
4. Kristály A, Repovš D, *Metric projections versus non-positive curvature*. DIFF GEOM APPL 31(5) 602-610 (2013).
5. Kristály A, Repovs D, *On the Schrödinger–Maxwell system involving sublinear terms*, NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS, 13:(1), 213-223 (2012).
6. Kristály A, *Bifurcations effects in sublinear elliptic problems on compact Riemannian manifolds*. J MATH ANAL APPL 385:(1) 179–184 (2012).
7. Faraci F, Iannizzotto A, Kristály A, *Low-dimensional compact embeddings of symmetric Sobolev spaces with applications,* P ROY SOC EDINB – SECTION A 141:(2) 383–395 (2011).
8. Kristály A, Repovs D, *Multiple solutions for a Neumann system involving subquadratic nonlinearities,* NONLINEAR ANALYSIS-TMA, 74:(6) 2127–2132 (2011).
9. Kristály A, Mihăilescu M, Rădulescu R, Tersian S, *Spectral estimates for a nonhomogeneous difference problem*, COMMUN CONTEMP MATH 12:(6) 1015–1029 (2010).
10. Kristály A, *Location of Nash equilibria: a Riemannian geometrical approach*, PROC AMER MATH SOC 138:(5) 1803-1810 (2010).
11. Kristály A, *On a new class of elliptic systems with nonlinearities of arbitrary growth,* J DIFFERENTIAL EQUATIONS, 249:(8) 1917–1928 (2010).
12. Kristály A, Morosanu Gh, *New competition phenomena in Dirichlet problems,* J MATH PURES APPL (Liouville Journal), 94:(6) 555-570 (2010).

13. Kristály A, Marzantowicz W, Varga Cs, *A non-smooth three critical points theorem with applications in differential inclusions*, J GLOBAL OPTIM 46:(1) 49-62 (2010).
14. Kristály A, Papageorgiou NS, *Multiple nontrivial solutions for Neumann problems involving the p-Laplacian: a Morse theoretical approach*, ADV NONLINEAR STUD 10:(1), 83-107 (2010).
15. Kristály A, Papageorgiou NS, Varga Cs, *Multiple solutions for a class of Neumann elliptic problems on compact Riemannian manifolds with boundary*. CANAD MATH BULL 53:(4) 674–683 (2010).
16. Kristály A, *Asymptotically critical problems on higher-dimensional spheres*, DISCRETE CONT DYN SYSTEMS 23: (3) 919-935 (2009).
17. Kristály A, Varga Cs, *Multiple solutions for a degenerate elliptic equation involving sublinear terms at infinity,* J MATH ANAL APPL 352: (1) 139-148 (2009).
18. Kristály A, Papageorgiou NS, *Multiplicity theorems for semilinear elliptic problems depending on a parameter,* P EDINBURGH MATH SOC 52: (1) 171-180 (2009).
19. Kristály A, Radulescu V, S*ublinear eigenvalue problems on compact Riemannian manifolds with applications in Emden-Fowler equations,* STUD MATH 191: (3) 237-246 (2009).
20. Kristály A, Mihailescu M, Radulescu V, *Two nontrivial solutions for a non-homogeneous Neumann problem: an Orlitz-Sobolev space setting,* P ROY SOC EDINB – SECTION A 139: 367-379 (2009).
21. Filippakis M, Kristály A, Papageorgiou NS: *Existence of five nonzero solutions with exact sign for a p-Laplacian equation*, DISCRETE CONT DYN SYSTEMS 24: (2) 405-440 (2009).
22. Kristály A, *Detection of arbitrarily many solutions for perturbed elliptic problems involving oscillatory terms*, J DIFFERENTIAL EQUATIONS 245: (12) 3849-3868 (2008).
23. Kristály A, Lisei H, Varga Cs, *Multiple solutions for p-Laplacian type equations,* NONLINEAR ANALYSIS-TMA 68: (5) 1375-1381 (2008).
24. Kristály A, Marzantowicz W, *Multiplicity of symmetrically distinct sequences of solutions for a quasilinear problem in* R^N, NODEA- NONLINEAR DIFF EQUATIONS APPL 15: (1-2) 209-216 (2008).
25. Kristály A, Morosanu G, Roth A, *Optimal placement of a deposit between markets: Riemann-Finsler geometrical approach*, J OPTIM THEORY APPL 139: (2) 263-276 (2008).
26. Kristály A, *Perturbed Neumann problems with many solution*s, NUMER FUNC ANAL OPT 29: (8/9) 1114-1127 (2008).
27. Kristály A, *A double eigenvalue problem for Schrodinger equations involving sublinear nonlinearities at infinity*, ELECTR J DIFFER EQUAT 42: (42) 1-11 (2007).
28. Kristály A, Varga Cs, Varga V, *A nonsmooth principle of symmetric criticality and variational-hemivariational inequalities,* J MATH ANAL APPL 325: (2) 975-986 (2007).
29. Kristály A, Varga Cs, *Multiple solutions for elliptic problems with singular and sublinear potentials*, P AMER MATH SOC 135: (7) 2121-2126 (2007).
30. Kristály A, *Multiple solutions of a sublinear Schrodinger equatio*n, NODEA-NONLINEAR DIFF EQUATIONS APPL 14: (3-4) 291-302 (2007).
31. Kristály A, Motreanu D, *Nonsmooth Neumann-type problems involving the p-Laplacian*, NUMER FUNC ANAL OPT 28: (11-12) 1309-1326 (2007).
32. Kristály A, Faraci F, *On an open question of Ricceri concerning a Neumann problem*, GLASGOW MATH J 49: (2) 189-195 (2007).
33. Kristály A, Faraci F, *One-dimensional scalar field equations involving an oscillatory nonlinear term*, DISCRETE CONT DYN SYSTEMS 18: (1) 107-120 (2007).
34. Kristály A, Morosanu G, Tersian S, *Quasilinear elliptic problems in involving oscillatory nonlinearities*, J DIFFERENTIAL EQUATIONS 235: (2) 366-375 (2007).
35. Kozma L, Kristály A, *Metric characterization of Berwald spaces of non-positive flag curvature*, J GEOMETRY PHYSICS 56: 1257-1270 (2006).

36. Kristály A, *Existence of nonzero weak solutions for a class of elliptic variational inclusions systems in R^N*, NONLINEAR ANALYSIS-TMA 65: (8) 1578-1594 (2006).
37. Kristály A, *Infinitely many solutions for a differential inclusion problem in R^N*, J DIFFERENTIAL EQUATIONS 220: (2) 511-530 (2006).
38. Kristály A, Motreanu V, Varga Cs, *A minimax principle with general Palais-Smale conditions*, COMMUN APPL ANAL 9: (2) 285-299 (2005).
39. Kristály A, Varga Cs, Varga V, *An eigenvalue problem for hemivariational inequalities with combined nonlinearities on an infinite strip*, NONLINEAR ANALYSIS-TMA 63: (2) 260-277 (2005).
40. Kristály A, *Existence of two nontrivial solutions for a class of quasilinear elliptic variational systems on strip-like domain,* P EDINBURGH MATH SOC 48: (2) 465-477 (2005).
41. Kristály A, *Infinitely many radial and non-radial solutions for a class of hemivariational inequalities,* ROCKY MT J MATH 35: (4) 1173-1190 (2005).
42. Kristály A, *Multiplicity results for an eigenvalue problem for hemi-variational inequalities in strip-like domains,* SET-VALUED ANAL 13: (1) 85-103 (2005).
43. Kristály A, Varga Cs, *On a class of a quasilinear elliptic problem in R^N*, MATH NACHR 275: (15) 1756-1765 (2005).
44. Kozma L, Kristály A, Varga Cs, *Dispersing of geodesics in Berwald spaces of nonpositive flag*, HOUSTON J MATH 30: (2) 403-420 (2004).
45. Kristály A, Varga Cs, Set-valued versions of Ky Fan's inequality with application to variational inclusion theory, J MATH ANAL APPL 282: (1) 8-20 (2003).

III. Articole publicate în reviste indexate BDI [Mathematical Reviews, Zentralblatt Math]

1. Kristály A, Mezei I, *Multiple solutions for a perturbed system on strip-like domains*. Discrete Contin. Dyn. Syst. Ser. S 5 (2012), no. 4, 789–796.
2. Kristály A, Varga Cs, *Variational-hemivariational inequalities on unbounded domains*. Stud. Univ. Babeş-Bolyai Math. 55 (2010), no. 2, 3–87.
3. Kristály A, O'Regan D, Varga Cs, *Parametrized nonlinear equations on Dirichlet forms,* Communication on Applied Analysis, 13:(3) 317-326 (2009).
4. Kristály A, *A double eigenvalue problem for Schrodinger equations involving sublinear nonlinearities at infinity*, Electr. J. Differential Equations 42: (42) 1-11 (2007). MR2299596
5. Kristály A, Motreanu V, Varga Cs, *A minimax principle with general Palais-Smale conditions*, Communication on Applied Analysis, 9:(2) 285-299 (2005). MR2168763, Zbl pre05017140
6. Kristály A, *Hemivariational inequality systems and applications*, Mathematica (Cluj), 46:(2) 161-168 (2004). MR2102187, Zbl pre05036682
7. Kristály A, Kozma L, Varga Cs, *Critical point theorems on Finsler manifolds*, Beitrage zur Algebra und Geometrie, 45:(1) 47-59 (2004). MR2070632, Zbl pre02096230
8. Kristály A, Varga Cs, *Coercivity of set-valued mapings on metric space*, Mathematica Pannonica, 13(2) 241-248 (2003). MR1932430, Zbl 1012.58014
9. Kristály A, Varga Cs, *Cerami (C) condition and mountain pass theorem for multivalued mappings*, Serdica Mathematical Journal, 28, 95-108 (2002). MR1911856, Zbl 1032.58004
10. Kristály A, Varga Cs, *Location results for multivalued functionals*, Acta Universitatis Carolinae, 42, 59–68 (2001). MR1900392, Zbl 1031.49007
11. Kristály A, Varga Cs, *Coerciveness property for a class of set-valued mappings,* Nonlinear Analysis Forum 6:(2) 353–362 (2001). MR1891720, Zbl 1005.5800D
12. Kristály A, Varga Cs, *A note on minmax results for continuous functionals*, Studia Univ. „Babeş-Bolyai", Mathematica, XLIII:(3) 35-55 (1998). MR1854539, Zbl 1010.49003

IV. Lucrări în volume de conferinţă

1. Kristály A, *Elliptic eigenvalue problems on unbounded domains involving sublinear terms*, More Progresses in Analysis, Proceedings of the 5th International ISAAC Congress [Catania, Italy 25 – 30.07.2005], 2009, pp. 805-814.
2. Kozma L, Kristály A, Varga Cs**,** *Isometry-invariant geodesics with Lipschitz obstacle*, Differential Geometry and its Applications, Proc. Conf. Opava (Czech Republic), 27-31.08.2001, Silesian University, Opava, 2001, pp. 203-214. MR1978777, Zbl 1038.58008

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