List of Publications, Eugen Mihailescu

September 2013

1. J. E Fornaess, E. Mihailescu, *Equilibrium measures on saddle sets of holomorphic maps on $\mathbb{P}^2\mathbb{C}$*, **Mathematische Annalen**, **356** (2013), no. 4, 1471–1491. (Relative Influence Score: 2,24. 2012 Article Influence Score: 1,75)

2. E. Mihailescu, B. Stratmann, *Upper estimates for the stable dimension for fractal sets with variable number of foldings*, **International Mathematics Research Notices**, online August 2013, DOI:10.1093/imrn/rnt168. (RIS: 1,49. AIS: 1,44)

3. **Habilitation Thesis**, Smooth Ergodic Theory and Dimension in Dynamical Systems, IMAR, Bucharest, 2013.

4. E. Mihailescu, M. Urbański, *Hausdorff dimension of attractors of countable conformal iterated function systems with overlaps*, in Fractal Geometry and Dynamical Systems in Pure and Applied Mathematics I, **Contemporary Mathematics, AMS**, vol. 600, 2013.

5. E. Mihailescu, *Higher dimensional expanding maps and toral extensions*, **Proceedings of the American Mathematical Society**, **141** (2013), no. 10, 3467–3475. (RIS: 1,06. AIS: 0,73)

6. E. Mihailescu, M. Urbański, *Entropy production for a class of inverse SRB measures*, **Journal of Statistical Physics**, **150**, 2013, 881-888. (RIS: 1,30. AIS: 1,01)

7. E. Mihailescu, *On a class of stable conditional measures*, **Ergodic Theory and Dynamical Systems 31**, (2011), pag. 1499–1515. (RIS: 1,89. AIS: 1,20).

8. E. Mihailescu, *Unstable directions and fractal dimensions for a family of skew products with overlaps in fibers*, **Mathematische Zeitschrift 269** (2011), 733 – 750. (RIS: 1,49. AIS: 1,11)

9. E. Mihailescu, *Approximations of Gibbs states of arbitrary Hölder potentials on hyperbolic folded sets*, **Discrete and Continuous Dynamical Systems 32**, (2012), no. 3, 961–975. (RIS: 1,40. AIS: 0,95)

10. E. Mihailescu, *Asymptotic distributions of preimages for endomorphisms*, **Ergodic Theory and Dynamical Systems 31**, (2011), pag. 911–935. (RIS: 1,89. AIS: 1,20)

11. E. Mihailescu, *On some coding and mixing properties on folded fractals*, **Monatshefte für Mathematik 167**, (2012), pag. 241–255. (RIS: 0,84. AIS: 0,55)

12. E. Mihailescu, *Equilibrium measures, prehistories distributions and fractal dimensions for endomorphisms*, **Discrete and Continuous Dynamical Systems 32**, 2012, no. 7, 2485–2502. (RIS: 1,40. AIS: 0,95)

13. E. Mihailescu, Hyperbolic dynamics on folded saddle sets, Thermodynamic Formalism, Geometry and Stochastics, **Mathematisches ForschungsInstitut Oberwolfach Reports**, **3/2012**, 31-34, DOI: 10.4171/OWR/2012/03.

14. E. Mihailescu, *Inverse limits and statistical properties for chaotic implicitly defined economic models*, **Journal of Mathematical Analysis and Applications 394**, (2012), pag. 517–528. (RIS: 1,11. AIS: 0,692)

15. E. Mihailescu, *Local geometry and dynamical behavior on folded basic sets*, **Journal of Statistical Physics 142** (2011), pag. 154-167. (RIS: 1,30. AIS: 1,01)

16. E. Mihailescu, M. Urbański, *Hausdorff dimension of the limit set for conformal iterated function systems with overlaps*, **Proceedings of the American Mathematical Society 139**, (2011), pag. 2767–2775. (RIS: 1,06. AIS: 0,73)

17. E. Mihailescu, M. Urbański, *Relations between stable dimension and the preimage counting function on basic sets with overlaps*, **Bulletin of the London Mathematical Society 42**, (2010), pag. 15–27. (RIS: 1,18. AIS: 0,94)

18. E. Mihailescu, *Ergodic properties for some non-expanding non-reversible systems*, **Nonlinear Analysis: Theory, Methods and Applications 73**, (2010), pag. 3779–3787. (RIS: 0,87. AIS: 0.70)

19. E. Mihailescu, *Metric properties of some fractal sets and applications of inverse pressure*, **Mathematical Proceedings of Cambridge Philosophical Soc.**, 148, 2010, 553–572. (RIS: 1,14. AIS: 1,17)

20. E. Mihailescu, *Physical measures for multivalued inverse iterates near hyperbolic repellors*, **Journal of Statistical Physics 139**, (2010), pag. 800–819. (RIS: 1,30. AIS: 1,01)

21. E. Mihailescu, *Dynamics on higher dimensional real or complex fractals*, **Revue Roumaine de Mathématiques Pures et Appliquées, vol. LIV**, (2009), pag. 513–524.

22. E. Mihailescu, *Metric properties and dynamics for conformal maps*, **Proceedings** of International Congress of Romanian Math., Bucharest 2007, 161-169, Ed. Acad. 2009.

23. E. Mihailescu, M. Urbanski, *Inverse pressure estimates and the independence of stable dimension for non-invertible maps*, **Canadian Journal of Mathematics 60**, (2008), pag. 658–684. (RIS: 1,49. AIS: 0,911)

24. E. Mihailescu, M. Urbański, *Transversal families of hyperbolic skew products*, **Discrete and Continuous Dynamical Systems**, 21, 2008, 907–928. (RIS: 1,40. AIS: 0,95)

25. E. Mihailescu, M. Urbański, *Inverse topological pressure with applications to holomorphic dynamics in several variables*, **Communications in Contemporary Mathematics, vol.6**, no.4, (2004), 653-682. (RIS: 1,81. AIS: 0,94)

26. E. Mihailescu, *Unstable manifolds and Hölder structures associated with non-invertible maps*, **Discrete and Continuous Dynamical Systems, vol. 14**, (2006), 419-446. (RIS: 1,40. AIS: 0,95)

27. E. Mihailescu, M. Urbanski, *Estimates for the stable dimension for holomorphic maps*, **Houston Journal of Mathematics, vol. 31**, (2005), 367-389. (RIS: 0,67. AIS: 0,44)

28. E. Mihailescu, M. Urbanski, *Holomorphic maps for which the unstable manifolds depend on prehistories*, **Discrete and Continuous Dynamical Systems**, vol.9, no.2, 2003. (RIS: 1,40. AIS: 0,95)

29. E. Mihailescu, *The set K^- for hyperbolic non-invertible maps*, **Ergodic Theory and Dynamical Systems, vol. 22**, (2002), 873-888. (RIS: 1,89. AIS: 1,20)

30. E. Mihailescu, *Periodic points for actions of tori in Stein manifolds*, **Mathematische Annalen, vol. 314**, 1999, no 1, 39-52. (RIS: 2,24. AIS: 1,75)

31. E. Mihailescu, *Applications of thermodynamic formalism in complex dynamics on P^2*, **Discrete and Continuous Dynamical Systems, vol. 7**, (2001), 821-836. (RIS: 1,40. AIS: 0,95)

32. **PH. D Thesis**, Hyperbolicity and Periodicity in Higher Dimensional Complex Dynamics, Univ. of Michigan, USA, 1999.

33. E. Mihailescu, *A class of functions which are continuous but nowhere monotonous*, **Annals of the University of Bucharest, 42/43**, (1993/94), 63-71.

34. E. Mihailescu, M. Urbański, *Asymptotic degrees and measures on folded fractals*, preprint 2012, submitted.

35. E. Mihailescu and M. Roychowdhury, *Quantization coefficients in infinite systems*, preprint 2013, submitted.

36. E. Mihailescu, *Geometric aspects in conformal dynamics on invariant fractals*, preprint 2013, submitted.