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Publications 02/03/2020

I. Research papers (40)

51. P.Mishra, DW., *The role of indirect prey--taxis and interference among predators in pattern formation*. Submitted
52. J.Jabłoński, DW., *Measure-valued solutions to size structured population model of preycontrolled by optimally foraging predator harvester*. Math. Models Methods Appl. Sci. 9 1657-1689 (2019)
49. P.Krzyżanowski, M.Winkler, D.W., *Migration-driven benefit in a two-species nutrient taxis system*, Nonlinear Analysis:Real World Appl. 48 94-116 (2019)
48. Jose Ignacio Tello , D. W, *Inter-species competition and chemorepulsion*. J. Math. Anal. Appl. 459 1233–1250 (2018)
47. Jose Ignacio Tello , D. W, *Predator-prey model with diffusion and indirect prey-taxis*.Mathematical, Models and Methods in Applied Sciences, Vol. 26, No. 11 2129–2162(2016)
46. H. Eberl, M. Efendiev, D. Wrzosek, A. Zhigun, *Analysis of a degenerate biofilm model with a nutrient taxis term*, Discrete and Continuous Dynamical System. 34 (1) 99-119 (2014)
45. M.Z Gliwicz, P. Maszczyk, J. Jabłoński, D. W. *Patch exploitation by planktivorous fish and the concept of aggregation as an antipredation defense in zooplankton*. Limnology and Oceanography, 58(5) 1621-1639 (2013)
44. Zhi-An Wang, M.Winkler, D.W., *Global regularity vs. infinite-time singularity formation in a chemotaxis model with volume filling effect and degenerate diffusion*. SIAM J.Math. Anal. 44, 3502-3525 (2012).
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38. P. Krzyżanowski, Ph. Laurecot, DW., *Mathematical models of receptor-mediated*

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 36. Z.M Gliwicz, D.W., *Predation-mediated coexistence of large- and small-bodied Daphnia at different food levels*. American Naturalist 172 (2008) 358-374.
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 33. *Long time behaviour of solutions to a chemotaxis model with volume filling effect* Proc. Roy. Soc. Edinburgh 136A (2006) 431-444.
 32. Ph. Laurencot, D.W., *A chemotaxis model with threshold density and degenerate diffusion*, in Progress in Nonlinear Differential Equations and Their Applications. Vol. 64, 2005 Birkhäuser
 31. *Global attractor for a chemotaxis model with prevention of overcrowding*, Nonlinear Analysis TMNA, 59 (2004) 1293-1310.
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II. Hand books and lecture notes (2)

11. Zagadnienia ewolucyjne, w „Warsztaty z Równań Różniczkowych Częstkowych”, ed.Piotr Biler, Lecture Notes in Nonlinear Analysis, Centrum Badań Nieliniowych im. Juliusza Schaudera Toruń, 2002.

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III. Miscellaneous (9)

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