

Пълен списък с публикации на д-р Борислав Йорданов

А) Публикации в международни списания с импакт фактор ре- ферирани в Web of Science и Scopus

h-index = 14, 21 статии, 766 цитата, 503 documents (Scopus, June 10, 2020)
h-index = 13, 21 статии, 627 цитата (Web of Science, June 10, 2020)

1. Phan, Tuoc, Grozdena Todorova, and Borislav Yordanov, Existence uniqueness and regularity theory for elliptic equations with complex-valued potentials, Discrete and Continuous Dynamical Systems-A, March 2021, 41(3): 1071-1099.
2. Wakasa, Kyouhei and Borislav Yordanov, On the nonexistence of global solutions for critical semilinear wave equations with damping in the scattering case, Nonlinear Analysis 180 (2019): 67-74.
3. Wakasa, Kyouhei, and Borislav Yordanov, Blow-up of solutions to critical semilinear wave equations with variable coefficients, Journal of Differential Equations 266.9 (2019): 5360-5376.
4. Wakasa, Kyouhei, and Borislav Yordanov, On the energy decay for dissipative nonlinear wave equations in one space dimension, Journal of Mathematical Analysis and Applications 455.2 (2017): 1317-1322.
5. Wakasa, Kyouhei, and Borislav Yordanov, Global regularity for supercritical nonlinear dissipative wave equations in 3D, Nonlinear Analysis: Theory, Methods and Applications 152 (2017): 183-195.
6. Radu, Petronela, Grozdena Todorova, and Borislav Yordanov, The generalized diffusion phenomenon and applications, SIAM Journal on Mathematical Analysis 48.1 (2016): 174-203.
7. Todorova, Grozdena, and Borislav Yordanov, On the regularizing effect of nonlinear damping in hyperbolic equations, Transactions of the American

Mathematical Society 367.7 (2015): 5043-5058.

8. Ikehata, Ryo, Grozdena Todorova, and Borislav Yordanov, Wave equations with strong damping in Hilbert spaces, *Journal of Differential Equations* 254.8 (2013): 3352-3368.

9. Ikehata, Ryo, Grozdena Todorova, and Borislav Yordanov, Optimal decay rate of the energy for wave equations with critical potential, *Journal of the Mathematical Society of Japan* 65.1 (2013): 183-236.

10. Radu, Petronela, Grozdena Todorova, and Borislav Yordanov, Diffusion phenomenon in Hilbert spaces and applications, *Journal of Differential Equations* 250.11 (2011): 4200-4218.

11. Radu, Petronela, Grozdena Todorova, and Borislav Yordanov, Decay estimates for wave equations with variable coefficients, *Transactions of the American Mathematical Society* 362.5 (2010): 2279-2299.

12. Todorova, Grozdena, and Borislav Yordanov, Weighted L^2 -estimates for dissipative wave equations with variable coefficients, *Journal of Differential Equations* 246.12 (2009): 4497-4518.

13. Todorova, Grozdena, Davut Ugurlu, and Borislav Yordanov, Regularity and scattering for the wave equation with a critical nonlinear damping, *Journal of the Mathematical Society of Japan* 61.2 (2009): 625-649.

14. Ikehata, Ryo, Grozdena Todorova, and Borislav Yordanov, Critical exponent for semilinear wave equations with space-dependent potential, *Funkcialaj Ekvacioj* 52.3 (2009): 411-435.

15. Kirova, R., Georgiev, V., Rubino, B., Sampalmieri, R., and Yordanov, B. (2008), Asymptotic behavior for linear and nonlinear elastic waves in materials with memory. *Journal of non-crystalline solids*, 354(35-39), 4126-4137.

16. Todorova, Grozdena, and Borislav Yordanov, NONLINEAR DISSIPATIVE WAVE EQUATIONS WITH, *Control Methods in PDE-Dynamical Systems: AMS-IMS-SIAM Joint Summer Research Conference, July 3-7, 2005, Snowbird,*

Utah. Vol. 426. American Mathematical Soc., 2007.

17. Todorova, Grozdna, Yordanov, Borislav, The energy decay problem for wave equations with nonlinear dissipative terms in \mathbb{R}^n . Indiana Univ. Math. J. 56 (2007), no. 1, 389–416.

18. Yordanov, Borislav T., Zhang, Qi S., Finite time blow up for critical wave equations in high dimensions. J. Funct. Anal. 231 (2006), no. 2, 361–374.

19. Yordanov, Borislav, Zhang, Qi S., Finite-time blowup for wave equations with a potential. SIAM J. Math. Anal. 36 (2005), no. 5, 1426–1433.

20. Todorova, G., Yordanov, B., Critical exponent for a nonlinear wave equation with damping, Journal of Differential Equations, 2001, 174(2), pp. 464–489

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В) Други Публикации в реферирани списания но не индексирани от Scopus или Web of Science

22. Yordanov, Borislav, and Roumyana Yordanova, On the Instability of Action Variables in Non-Convex Hamiltonian Systems, Pliska Studia Mathematica Bulgarica 23.1 (2014): p.189-209.

23. Kirova, Roumyana, and Borislav Yordanov, Decay of linear elastic waves in materials with memory, Comptes rendus de l'Académie des sciences. Série 1, Mathématique 323.1 (1996): 23-28.

В) Цитирани препринти

24. Georgiev, Vladimir and Borislav Yordanov, Asymptotic behaviour of the one-dimensional Klein–Gordon equation with a cubic nonlinearity, (1996).