

## Списък с публикации на д-р Борислав Йорданов, представени за участие в конкурса за доцент

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

Импакт факторът е сумарен за 5 години (Web of Science),  
SJR е за конкретната година (<https://www.scimagojr.com/>).

Линкове към статиите може да се намерят тук

<https://www.scopus.com/authid/detail.uri?authorId=6603028322>

Q класификацията е на базата на JCR кuartил от Web of Science. Ако  
има две или повече се използва тази с повисокия кuartил.

h-index = 14 (Scopus), h = 13 (Web of Science)

12 в Q1, 3 в Q2, 2 в Q3, 1 в Q4

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

Q1, IF=1.351, SJR = 1.289 (2020)

DOI = 10.3934/dcds.2020310,

ISSN / eISSN = 1078-0947 / 1553-5231

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

Q1, IF = 1.590, SJR = 1.848 (2019)

DOI = 10.1016/j.na.2018.09.012

ISSN = 0362-546X

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

Q1, IF = 2.478, SJR = 2.283 (2019)

DOI = 10.1016/j.jde.2018.10.028

ISSN / eISSN = 0022-0396 / 1090-2732

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  
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DOI = 10.1016/j.jmaa.2017.06.015  
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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.  
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6. Radu, Petronela, Grozdena Todorova, and Borislav Yordanov, The generalized diffusion phenomenon and applications, *SIAM Journal on Mathematical Analysis* 48.1 (2016): 174-203.  
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DOI = 10.1137/15M101525X  
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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.  
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DOI = 10.1090/S0002-9947-2015-06173-X  
ISSN / eISSN = 0002-9947 / 1088-6850
  
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.  
Q1, IF = 2.478, SJR = 2.667 (2013)  
DOI = 10.1016/j.jde.2013.01.023  
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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.

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

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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.

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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.

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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.

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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.

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