

**Справка за минимални изисквани точки по групи показатели за
академичната длъжност „доцент“**

Група от показатели А:

1. Име на дисертацията за образователната и научна степен „доктор“	точки
“Дву-Измерни Числени Магнито-Хидродинамични Модели на Експлозивни Събития на Слънцето”	50

A1. Roussev, I. I., K. Galsgaard, R. Erdélyi, and J. G. Doyle, Modeling of Explosive Events in the Solar Transition Region in a 2D Environment: Part I. General Reconnection Jet Dynamics, <i>Astronomy & Astrophysics</i> , 370 , 298, 2001. https://doi.org/10.1051/0004-6361:20010207			Q1	25
A2. Roussev, I. I., K. Galsgaard, R. Erdélyi, and J. G. Doyle, Modeling of Explosive Events in the Solar Transition Region in a 2D Environment: Part II. Various MHD Experiments, <i>Astronomy & Astrophysics</i> , 375 , 228, 2001. https://doi.org/10.1051/0004-6361:20010765			Q1	25
A3. Roussev, I. I., J. G. Doyle, K. Galsgaard, and R. Erdélyi, Modeling of Explosive Events in the Solar Transition Region in a 2D Environment: Part III. Observable Consequences, <i>Astronomy & Astrophysics</i> , 380 , 719, 2001. https://doi.org/10.1051/0004-6361:20011497			Q1	25
A4. Roussev, I. I., K. Galsgaard, and P. G. Judge, Physical Consequences of the Inclusion of Anomalous Resistivity in the Dynamics of 2D Magnetic Reconnection, <i>Astronomy & Astrophysics</i> , 382 , 639, 2002. https://doi.org/10.1051/0004-6361:20011645			Q1	25
A5. Galsgaard, K., and I. I. Roussev , Magnetic Reconnection in 2D Stratified Atmospheres: Part I. Dynamical Consequences, <i>Astronomy & Astrophysics</i> , 383 , 685, 2002. https://doi.org/10.1051/0004-6361:20011733			Q1	25
A6. Roussev, I. I., and K. Galsgaard, Magnetic Reconnection in 2D Stratified Atmospheres: Part II. Observational Consequences, <i>Astronomy & Astrophysics</i> , 383 , 697, 2002. https://doi.org/10.1051/0004-6361:20011734			Q1	25

Група от показатели В: минимум 100 т.

3. Монография	точки			т.
	100			
4. Статия	Q (WoS)	Q (Scopus)	SJR	т.
I-B1. <u>Roussev, I. I.</u>, T. G. Forbes, T. I. Gombosi, I. V. Sokolov, D. L. De Zeeuw, and J. Birn, A Three-Dimensional Flux Rope Model for CMEs Based on a Loss of Equilibrium, <i>Astrophysical Journal Letters</i>, 588, L45, 2003. https://doi.org/10.1086/375442			Q1	25
I-B2. <u>Roussev, I. I.</u>, T. I. Gombosi, I. V. Sokolov, M. Velli, W. B. Manchester IV, D. L. De Zeeuw, P. Liewer, G. Tóth, and J. Luhmann, A Three-Dimensional Model of the Solar Wind Incorporating Solar Magnetogram Observations, <i>Astrophysical Journal Letters</i>, 595, L57, 2003. https://doi.org/10.1086/378878			Q1	25
I-B3. <u>Roussev, I. I.</u>, I. V. Sokolov, T. G. Forbes, T. I. Gombosi, M. A. Lee, and J. I. Sakai, A Numerical Model of a Coronal Mass Ejection: Shock Development With Implications for the Acceleration of GeV Protons, <i>Astrophysical Journal Letters</i>, 605, L73, 2004. https://doi.org/10.1086/392504			Q1	25
I-B4. Sokolov, I. V., <u>I. I. Roussev</u>, T. I. Gombosi, M. A. Lee, J. Kóta, T. G. Forbes, W. B. Manchester IV, and J. I. Sakai, A New Field Line Advection Model for Solar Particle Acceleration, <i>Astrophysical Journal Letters</i>, 616, L171, 2004. https://doi.org/10.1086/426812			Q1	25
Общ брой точки В			100	

Група от показатели Г: минимум 220 т.

5. Монография (не хабилитационен труд)	точки			т.
	30			
6. Книга на базата на дисертация	точки			т.
	20			
7. Статия	Q (WoS)	Q (Scopus)	SJR	т.

I-Γ1. Doyle, J. G., M. S. Madjarska, I. I. Roussev , L. Teriaca, and J. Giamikakis, Temporal Variability in the Doppler Shift of Solar Transition Region Lines, <i>A&A</i> , 396 , 255, 2002. https://doi.org/10.1051/0004-6361:20021361			Q1	25
I-Γ2. Manchester IV, W. B., T. I. Gombosi, I. I. Roussev , D. L. De Zeeuw, I. V. Sokolov, K. G. Powell, G. Tóth, and M. Opher, Three-Dimensional MHD Simulation of a Flux Rope Driven CME, <i>JGR (Space Physics)</i> , 109 , A01102, doi: 10.1029/2002JA009672 , 2004. https://doi.org/10.1029/2002JA009672			Q1	25
I-Γ3. Manchester IV, W. B., T. I. Gombosi, I. I. Roussev , A. J. Ridley, D. L. De Zeeuw, I. V. Sokolov, K. G. Powell, and G. Tóth, Modeling a Space Weather Event From the Sun to the Earth: CME Generation and Interplanetary Propagation, <i>Journal of Geophysical Research (Space Physics)</i> , 109 , A02107, doi: 10.1029/2003JA010150 , 2004. https://doi.org/10.1029/2003JA010150			Q1	25
I-Γ4. Doyle, J. G., I. I. Roussev , and M. S. Madjarska, New Insight Into the Blinker Phenomenon and the Dynamics of the Solar Transition Region, <i>Astronomy & Astrophysics</i> , 418 , L9, 2004. https://doi.org/10.1051/0004-6361:20040104			Q1	25
I-Γ5. Gombosi, T. I., K. G. Powell, D. L. De Zeeuw, C. R. Clauer, K. C. Hansen, W. B. Manchester IV, A. J. Ridley, I. I. Roussev , I. V. Sokolov, Q. F. Stout, and G. Tóth, Solution-Adaptive Magnetohydrodynamics for Space Plasmas: Sun-to-Earth Simulations, <i>Computing in Science & Engineering</i> , 6(2) , 14, 2004. https://doi.org/10.1109/MCISE.2004.1267603			Q1	25
I-Γ6. Manchester IV, W. B., J. Kóta, T. I. Gombosi, I. V. Sokolov, I. I. Roussev , D. L. De Zeeuw, K. G. Powell, G. Tóth, and T. H. Zurbuchen, Coronal Mass Ejection Shock and Sheath Structures Relevant to Particle Acceleration, <i>Astrophysical Journal</i> , 622 , 1225, 2005. https://doi.org/10.1086/427768			Q1	25
I-Γ7. Tóth, G., I. V. Sokolov, T. I. Gombosi, D. R.			Q1	25

Chesney, C. R. Clauer, D. L. De Zeeuw, K. C. Hansen, K. J. Kane, W. B. Manchester IV, R. C. Oehmke, K. G. Powell, A. J. Ridley, I. I. Roussev , Q. F. Stout, O. Volberg, R. A. Wolf, S. Sazykin, A. Chan, B. Yu, and J. Kóta, Space Weather Modeling Framework: A New Tool for the Space Science Community, <i>Journal of Geophysical Research (Space Physics)</i> , 110 , A12, doi: 10.1029/2005JA011126 , Dec 2005. https://doi.org/10.1029/2005JA011126				
I-Г8. Sokolov, I. V., I. I. Roussev , L. A. Fisk, M. A. Lee, T. I. Gombosi, and J. I. Sakai, Diffusive Shock Acceleration Theory Revisited, <i>Astrophysical Journal Letters</i> , 642 , L81, 2006. https://doi.org/10.1086/504406			Q1	25
I-Г9. Ni, Lei, I. I. Roussev , J. Lin, and U. Ziegler, Impact of Temperature Dependent Resistivity and Thermal Conduction on Plasmoid Instabilities in Current Sheets in the Solar Corona, <i>Astrophysical Journal</i> , 758 , 2012. https://doi.org/10.1088/0004-637X/758/1/20			Q1	25
I-Г10. Lugaz, N., W. B. Manchester IV, I. I. Roussev , G. Tóth, and T. I. Gombosi, Numerical Investigation of the Homologous Coronal Mass Ejection Events from Active Region 9236, <i>Astrophysical Journal</i> , 659 , 788, 2007. https://doi.org/10.1086/512005			Q1	25
I-Г11. Manchester IV, W. B., A. Vourlidas, G. Tóth, N. Lugaz, I. I. Roussev , T. I. Gombosi, I. V. Sokolov, D. L. De Zeeuw, and M. Opher, Three-Dimensional MHD Simulation of the 2003 Oct 28 Coronal Mass Ejection: Comparison with LASCO Coronagraph Observations, <i>Astrophysical Journal</i> , 684 , 1448, 2008. https://doi.org/10.1086/590231			Q1	25
8. Глава от книга или монография	точки			т.
	15			
9. Призната заявка за полезен модел, патент или авторско свидетелство	точки			т.
	25			
10. Публикувана заявка за патент или полезен модел	точки			т.
	15			

Общ брой точки Г	275
------------------	-----

Група от показатели Д: минимум 60 т.

11. Цитирана статия	цитираща статия (в WoS/Scopus) – 2 т.	т.
Roussev, I. I., T. G. Forbes, T. I. Gombosi, I. V. Sokolov, D. L. De Zeeuw, and J. Birn, A Three-Dimensional Flux Rope Model for CMEs Based on a Loss of Equilibrium, <i>Astrophysical Journal Letters</i> , 588 , L45, 2003. https://doi.org/10.1086/375442	179	
Общ брой точки Д		358

Дата: 26.06.2026г.

Подпис:

Име и фамилия: Илия Янков Русев