

Списък на научни публикации

на доц. дн Младен Светославов Савов за участие в обявения от Софийски университет „Св. Климент Охридски“, ФМИ конкурс за академичната длъжност „професор“ по професионално направление 4.5. Математика, специалност „Вероятности и статистика“, публикуван в ДВ, бр. 21/ 13.03.2020 г., които не повтарят представените за придобиване на образователна и научни степени „доктор“ и „доктор на науките“ и за заемане на академичната длъжност „доцент“; и не са подавани в НАЦИД.

Общият брой статии представен за конкурса е 14, от които 13 публикувани и 1 приета за печат. Всички от тях са с импакт фактор с разпределение: 4 в Q1, 6 в Q2, 3 в Q3 и 1 в Q4.

Публикации с номера [6, 7, 8, 9, 10] са представени по **групов показател Г** и носят **315 точки**, съгласно Правилника за прилагане на Закона за развитието на академичния състав в Република България. Статии с номера [1, 2, 3, 4, 5, 11, 12, 13, 14] са представени по **групов показател В** и носят **516 точки**, съгласно Правилника за прилагане на Закона за развитието на академичния състав в Република България.

Научни публикации:

- (1) Kolb, M and Savov, M., *A characterization of the finiteness of perpetual integrals of Lévy processes*, BERNOULLI, 2020, Volume: 26, Pages: 1453–1472, DOI: 10.3150/19-BEJ1167, Published: JAN 2020, ISSN: 1350-7265, IF (1.393 - 2018), **Quartile: Q2 (43/123 Statistics and Probability, JCR-WoS)**, hyperlink, **Точки: 60**
- (2) Savov, M. and Toaldo, B., *Semi-Markov processes, integro-differential equations and anomalous diffusion-aggregation*, ANNALS DE L'INSTITUT HENRI POINCARÉ, PROBABILITÉS ET STATISTIQUES, ISSN: 0246-0203, eISSN: 1778-7017, **accepted**, IF (1.152 - 2018), **Quartile: Q2 (56/123 Statistics and Probability, JCR-WoS)**, hyperlink, **Точки: 60**
- (3) Dimov, I. and Savov, M., *Probabilistic analysis of the single particle Wigner Monte-Carlo method*, MATHEMATICS AND COMPUTERS IN SIMULATION, 2020, Volume: 173, Pages: 32–50, DOI: 10.1016/j.matcom.2020.01.008, Published: JAN 2020, ISSN: 0378-4754, IF (1.409 - 2018), **Quartile: Q2 (87/254 Mathematics, Applied, JCR-WoS)**, hyperlink, **Точки: 60**
- (4) Mutafchiev, L. and Savov, M., *On the Maximal Multiplicity of Block Sizes in a Random Set Partition*, RANDOM STRUCTURES AND ALGORITHMS, 2020, Volume: 56, Pages: 867–891, DOI: 10.1002/rsa.20891, Published: MAY 2020, eISSN: 1098-2418, IF (1.008 - 2018), **Quartile: Q2 (90/214 Mathematics, JCR-WoS)**, hyperlink, **Точки: 60**
- (5) Loeffen, R., Patie, P. and Savov, M., *Extinction Time of Non-Markovian Self-Similar Processes, Persistence, Annihilation of Jumps and the Fréchet Distribution*, JOURNAL OF STATISTICAL PHYSICS, 2019, Volume: 175, Pages: 1022–1041, DOI: 10.1007/s10955-019-02279-3, Published: MAR 2019, ISSN: 0022-4715, eISSN: 1572-9613, IF (1.513 - 2018), **Quartile: Q2 (23/55 Physical, Mathematics, JCR-WoS)**, hyperlink, **Точки: 60**
- (6) Zaeovski, T.S., Kounchev, O. and Savov, M., *Two frameworks for pricing defaultable derivatives*, CHAOS, SOLITONS AND FRACTALS, 2019, Volume: 123, Pages: 309–319, DOI: 10.1016/j.chaos.2019.04.025, Published: APR 2019, ISSN: 0960-0779, IF (3.064 - 2018), **Quartile: Q1 (3/55 Physics, Mathematical, JCR-WoS)**, hyperlink, **Точки: 75**

- (7) Patie, P., Savov, M. and Zhao, Y., *Intertwining, Excursion Theory and Krein Theory of Strings for Non-self-adjoint Markov Semigroups*, ANNALS OF PROBABILITY, 2019, Volume: 47, Pages: 3231–3277, DOI: 10.1214/19-AOP1338, Published: NOV 2019, ISSN: 0091-1798, eISSN: 2168-894X, IF (2.085- 2018), **Quartile: Q1 (23/123 Statistics and Probability, JCR-WoS)**, hyperlink, **Точки: 75**
- (8) Kolb, M and Savov, M., *Conditional survival distributions of Brownian trajectories in a one dimensional Poissonian environment in the critical case*, ELECTRONIC JOURNAL OF PROBABILITY, 2017, Volume: 22, Pages: 1–22, DOI: 10.1214/17-EJP4468, Published: FEB 2017, eISSN: 1083-6489, IF (0.901 - 2017), **Quartile: Q3 (69/123 Statistics and Probability, JCR-WoS)**, hyperlink, **Точки: 45**
- (9) Kolb, M. and Savov, M., *Transience and recurrence of a Brownian path with limited local time*, ANNALS OF PROBABILITY, 2016, Volume: 44, Pages: 4083–4132, DOI: 10.1214/15-AOP1069, Published: NOV 2016, ISSN: 0091-1798, eISSN: 2168-894X, IF (1.940- 2010), **Quartile: Q1 (16/110 Statistics and Probability, JCR-WoS)**, hyperlink, **Точки: 75**
- (10) Savov, M. and Wang, S., *Fluctuation limits of a locally regulated population and generalized Langevin equations*, INFINITE DIMENSIONAL ANALYSIS, QUANTUM PROBABILITY AND RELATED TOPICS, 2015, Volume: 18, Pages: 23 pages, DOI: 10.1142/S0219025715500095, Published: JUN 2015, ISSN: 0219-0257, eISSN: 1793-6306, IF (0.682 - 2015), **Quartile: Q3 (78/123 Statistics and Probability, JCR-WoS)**, hyperlink, **Точки: 45**
- (11) Aurzada, F., Kramm, T., and Savov, M., *First passage times of Lévy processes over a one-sided moving boundary*, MARKOV PROCESSES AND RELATED FIELDS, 2015, Volume: 21, Pages: 1024–2953, Published: MAR 2015, ISSN: 1024-2953, IF (0.484 - 2015), **Quartile: Q4 (100/123 Statistics and Probability, JCR-WoS)**, hyperlink, **Точки: 36**
- (12) Kolb, M. and Savov, M., *Exponential ergodicity of killed Lévy processes in a finite interval*, ELECTRONIC COMMUNICATIONS IN PROBABILITY, 2014, Volume: 14, Pages: 1–9, DOI: 10.1214/ECP.v19-3006, Published: MAY 2014, eISSN: 1083-589X, IF (0.619 - 2014), **Quartile: Q3 (89/122 Statistics and Probability, JCR-WoS)**, hyperlink, **Точки: 45**
- (13) Aurzada, F., Doering, L. and Savov, M., *Small time Chung-type LIL for Lévy processes*, BERNOULLI, 2013, Volume: 19, Pages: 115–136, DOI: 10.3150/11-BEJ395, Published: JAN 2013, ISSN: 1350-7265, IF (1.296 - 2013), **Quartile: Q2 (34/119 Statistics and Probability, JCR-WoS)**, hyperlink, **Точки: 60**
- (14) Kolb, M., Savov, M. and Wübker, A., *(Non-) Ergodicity of a Degenerate Diffusion Modeling the Fiber Lay Down Process*, SIAM JOURNAL ON MATHEMATICAL ANALYSIS, 2013, Volume: 45, Pages: 1–13, DOI: 10.1137/120870724, Published: JAN 2013, ISSN: 0036-1410, eISSN: 1095-7154, IF (1.396 - 2013), **Quartile: Q1 (44/251, JCR-WoS)**, hyperlink, **Точки: 75**

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Подпис:

