

Списък статии за участие в конкурс

на проф. дн Младен Светославов Савов за участие в конкурс за член-кореспондент по чл.3 ал.3 от „Правилник за избиране на академици (действителни членове) и член-кореспонденти (дописни членове) на БАН“

1. Patie, P. and Savov, M., *Spectral expansions for generalized Laguerre semigroups*, MEMOIRS OF THE AMERICAN MATHEMATICAL SOCIETY, 2020+, 183 pages, IF (2.19 - 2019), Quartile: Q1 (Mathematics, Scopus); Quartile: Q1 (Mathematics), accepted¹
2. 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, 46 pages, DOI: 10.1214/19-AOP1338, Published: NOV 2019, ISSN: 0091-1798, eISSN: 2168-894X, IF (2.085 - 2018), Quartile: Q1 (Statistics and Probability, Scopus); Quartile: Q1 (23/123 Statistics and Probability, JCR-WoS), [hyperlink](#)
3. Patie, P. and Savov, M., *Cauchy problem of the non-self-adjoint Gauss-Laguerre semigroups and uniform bounds of generalized Laguerre polynomials*, JOURNAL OF SPECTRAL THEORY, 2017, Volume: 7, Pages: 797–846, 50 pages, DOI: 10.4171/JST/178, Published: SEP 2017, ISSN: 1664-039X, eISSN: 1664-0403, IF (0.844 - 2017), Quartile: Q1 (Geometry and Topology, Scopus); Quartile: Q2 (108/302 Mathematics, JCR-WoS), [hyperlink](#)
4. 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, 50 pages, DOI: 10.1214/15-AOP1069, Published: NOV 2016, ISSN: 0091-1798, eISSN: 2168-894X, IF (1.940- 2010), Quartile: Q1 (Statistics and Probability, Scopus); Quartile: Q1 (16/110 Statistics and Probability, JCR-WoS), [hyperlink](#)
5. Doney, R. and Savov, M., *The asymptotic behaviour of densities related to the supremum of a stable process*, ANNALS OF PROBABILITY, 2010, Volume: 38, Pages: 316–326, 11 pages, DOI: doi:10.1214/09-AOP479, Published: JAN 2010, ISSN: 0091-1798, eISSN: 2168-894X, IF (1.470 - 2010), Quartile: Q1 (Statistics and Probability, Scopus); Quartile: Q2 (28/110 Statistics and Probability, JCR- WoS), [hyperlink](#)
6. Doney, R. and Savov, M., *Right inverses of Lévy processes*, ANNALS OF PROBABILITY, 2010, Volume: 38, Pages: 1390–1400, 11 pages, DOI: 10.1214/09-AOP515, Published: JUL 2010, ISSN: 0091-1798, eISSN: 2168-894X, IF (1.470- 2010), Quartile: Q1 (Statistics and Probability, Scopus); Quartile: Q2 (28/110 Statistics and Probability, JCR-WoS), [hyperlink](#)
7. Bertoin, J. and Savov, M., *Some applications of duality for Lévy processes in a half-line*, BULLETIN OF THE LONDON MATHEMATICAL SOCIETY, 2010, Volume: 43, Pages: 97–111, 15 pages, DOI: 10.1112/blms/bdq084, Published: OCT 2010, eISSN: 1469-2120 , IF (0.63 - 2010), Quartile: Q1 (Mathematics, Scopus); Quartile: Q2 (122/279 Mathematics, JCR-WoS), [hyperlink](#)
8. Patie, P. and Savov, M., *Bernstein-gamma functions and exponential functionals of Lévy processes*, ELECTRONIC JOURNAL OF PROBABILITY, 2018, Volume: 23, Pages: 1–101, 101 pages, DOI: 10.1214/18-EJP202, Published: JUL 2018, eISSN: 1083-6489, IF (0.994 - 2018), Quartile: Q1 (Statistics and Probability, Scopus); Quartile: Q3 (66/123 Statistics and Probability, JCR-WoS), [hyperlink](#)
9. Barker, A. and Savov, M., *Bivariate Bernstein-gamma functions and moments of exponential functionals of subordinators*, STOCHASTIC PROCESSES AND THEIR APPLICATIONS, 2021, Volume: 131, Pages: 454-497, 44 pages, DOI: <https://doi.org/10.1016/j.spa.2020.09.017>, Published: JAN 2021, ISSN: 0304-4149, IF (1.46 - 2019), Quartile: Q1 (Statistics and Probability, Scopus); Quartile: Q2 (49/123 Statistics and Probability JCR-WoS), [hyperlink](#)
10. Pardo, J.C., Patie, P. and Savov, M., *A Wiener-Hopf type of factorization for the exponential functional of Lévy processes*, JOURNAL OF THE LONDON MATHEMATICAL SOCIETY, 2012, Volume: 96, Pages: 930–956, 27 pages, DOI: 10.1112/jlms/jds028, Published: SEP 2012, ISSN: 0024-6107, eISSN: 1469-7750, IF (0.804 - 2012), Quartile: Q1 (Mathematics, Scopus); Quartile: Q1 (69/296 Mathematics, JCR-WoS), [hyperlink](#)

¹ Виж Приложение по-долу, което съдържа официалната комуникация със списанието.

11. Kuznetsov A., Pardo J.C. and Savov, M., *Distributional properties of exponential functionals of Lévy processes*, ELECTRONIC JOURNAL OF PROBABILITY, 2012, Volume: 17, Pages: 1–35, 35 pages, DOI: 10.1214/EJP.v17-1755, Published: JAN 2012, eISSN: 1083-6489, IF (0.785 - 2012), Quartile: Q1 (Statistics and Probability, Scopus); Quartile: Q3 (70/119 Statistics and Probability, JCR-WoS), [hyperlink](#)

12. Chan, T., Kyprianou A. and Savov, M., *Smoothness of scale functions for spectrally negative Lévy processes*, PROBABILITY THEORY AND RELATED FIELDS, 2011, Volume: 150, Pages: 691–708, 18 pages, DOI: 10.1007/s00440-010-0289-4, Published: APR 2010, ISSN: 0178-8051, eISSN: 1432-2064, IF (1.870 - 2011), Quartile: Q1 (Statistics and Probability, Scopus); Quartile: Q1 (25/116 Statistics and Probability, JCR-WoS), [hyperlink](#)

13. Doering, L. and Savov, M., *(Non) Differentiability and asymptotics for renewal densities of subordinators*, ELECTRONIC JOURNAL OF PROBABILITY, 2011, Volume: 16, Pages: 470–503, 34 pages, DOI: 10.1214/EJP.v16-860, Published: MAR 2011, eISSN: 1083-6489, IF (0.713 - 2011), Quartile: Q1 (Statistics and Probability, Scopus); Quartile: Q3 (71/116 Statistics and Probability, JCR-WoS), [hyperlink](#)

14. Savov, M., *Small time two-sided LIL behaviour for Levy processes at zero*, PROBABILITY THEORY AND RELATED FIELDS, 2009, Volume: 144, Pages: 79–98, 20 pages, DOI: 10.1007/s00440-008-0142-1, Published: MAR 2008, ISSN: 0178-8051, eISSN: 1432-2064, IF (1.373 - 2009), Quartile: Q1 (Statistics and Probability, Scopus); Quartile: Q2 (29/100 Statistics and Probability, JCR-WoS), [hyperlink](#)

15. Savov, M., *Small time one-sided LIL behaviour for Lévy processes at zero*, JOURNAL OF THEORETICAL PROBABILITY, 2010, Volume: 23, Pages: 209–236, 28 pages, DOI: 10.1007/s10959-008-0202-6, Published: MAR 2010, ISSN: 0894-9840, eISSN: 1572-9230, IF (0.600 - 2010), Quartile: Q2 (Statistics and Probability, Scopus); Quartile: Q3 (81/110 Statistics and Probability), [hyperlink](#)

16. 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, 13 pages, DOI: 10.1137/120870724, Published: JAN 2013, ISSN: 0036-1410, eISSN: 1095-7154, IF (1.396 - 2013), Quartile: Q1 (Analysis, Scopus); Quartile Q1 (44/251, JCR-WoS), [hyperlink](#)

17. Savov, M. and Toaldo, B., *Semi-Markov processes, integro-differential equations and anomalous diffusion-aggregation*, ANNALES DE L'INSTITUT HENRI POINCARÉ, PROBABILITES ET STATISTIQUES, 2020, Volume: 56, Issue: 4, Pages: 2640-2671, 32 pages, DOI: 10.1214/20-AIHP1053, Published: NOV 2020, ISSN: 0246-0203, eISSN: 1778-7017, IF (1.25 - 2019), Quartile: Q1 (Statistics and Probability, Scopus); Quartile: Q2 (56/123 Statistics and Probability, JCR-WoS), [hyperlink](#)

18. 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, 20 pages, DOI: 10.1007/s10955-019-02279-3, Published: MAR 2019, ISSN: 0022-4715, eISSN: 1572-9613, IF (1.513 - 2018), Quartile: Q2 (Mathematical Physics, Scopus); Quartile: Q2 (23/55 Physical, Mathematics, JCR-WoS), [hyperlink](#)

19. Kolb, M and Savov, M., *A characterization of the finiteness of perpetual integrals of Lévy processes*, BERNOULLI, 2020, Volume: 26, Pages: 1453–1472, 20 pages, DOI: 10.3150/19-BEJ1167, Published: JAN 2020, ISSN: 1350-7265, IF (1.39 - 2018), Quartile: Q1 (Statistics and Probability, Scopus); Quartile: Q2 (43/123 Statistics and Probability, JCR-WoS), [hyperlink](#)

20. Mutafovchiev, 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, 24 pages, DOI: 10.1002/rsa.20891, Published: MAY 2020, eISSN: 1098-2418, IF (1.008 - 2018), Quartile: Q1 (Mathematics, Scopus); Quartile: Q2 (90/214 Mathematics, JCR-WoS), [hyperlink](#)

ПРИЛОЖЕНИЕ
Писма за приемане на статия номер 1

Копирани са официални писма от електронната поща на кандидата и са приложени тук.

Dear Prof. Patie,

I am pleased to inform you that your article

Spectral expansions of non-self-adjoint generalized Laguerre semigroups
by Pierre Patie and Mladen Savov

has been accepted by the editorial board for publication in
the *Memoirs of the AMS*.

Sincerely,

Alejandro Adem
Editor of *Memoirs of the American Mathematical Society*

Dear Dr. Patie,

My name is Michael Haggett and I am the production editor responsible for *Memoirs*. We have received your files and they have been processed. As you might know, *Memoirs* has a significant backlog of about 2 and a half years. Your memoir is about 29th in my queue, which places it in line for publication in about a year with the September 2021 volume. This might change slightly depending on the page counts and volume, but we typically publish 36-40 numbers per year, so I'm confident of seeing your memoir in publication in the second-half of 2021.

If you have any questions regarding either the status or the production process, please let me know.

Regards,

Michael