

## Lista publikacji w 2023 roku

1. **Alsmeyer Gerold, Brofferio Sara, Buraczewski Dariusz**  
Asymptotically linear iterated function systems on the real line  
Ann. Appl. Probab., 2023, **33**, 161–199.  
IF = 2.038
  
2. **Arendarczyk Marek, Jasiulis-Goldyn Barbara, Omey Edward**  
Asymptotic properties of extremal Markov processes driven by Kendall convolution  
J. Theor. Probab., 2023, **36**, 2040-2065.  
IF = 0.733
  
3. **Arendarczyk Marek, Kozubowski Tomasz, Panorska Anna**  
A computational approach to confidence intervals and testing for generalized Pareto index using the Greenwood statistic  
REVSTAT-Stat. J., 2023, **21**, 367-388.  
IF = 0.985
  
4. **Arendarczyk Marek, Kozubowski Tomasz, Panorska Anna**  
Preparing students for the future: extreme events and power tails  
J. Stat. Data Sci. Educ., 2023, **31**, 305-309.  
IF = 1.7
  
5. **Arendarczyk Marek, Kozubowski Tomasz, Panorska Anna**  
Slash distributions, generalized convolutions, and extremes  
Ann. Inst. Stat. Math., 2023, **75**, 593-617.  
IF = 1.18
  
6. **Bays Martin, Dobrowolski Jan, Zou Tingxiang**  
Elekes-Szabó for groups, and approximate subgroups in weak general position

Discrete Anal., 2023, **6**, 1-28.

IF = 1.1

7. **Beyarslan Özlem, Kowalski Piotr**

Galois actions of finitely generated groups rarely have model companions

Bulletin of the London Mathematical Society, 2023, **Early View**, 1-13.

IF = 1.036

8. **Beyarslan Özlem, Kowalski Piotr**

Model theory of Galois actions of torsion Abelian groups

J. Inst. Math. Jussieu, 2023, **22**, 2943-2985.

IF = 1.286

9. **Biler Piotr, Boritchev Alexandre, Brandolese Lorenzo**

Sharp well-posedness and blowup results for parabolic systems of the Keller–Segel type

Methods and Applications of Analysis, 2023, **30**, 53-76.

IF = 0.3

10. **Biler Piotr, Boritchev Alexandre, Brandolese Lorenzo**

Large global solutions of the parabolic-parabolic Keller–Segel system in higher dimensions

J. Differ. Equ, 2023, **344**, 891-914.

IF = 2.615

11. **Biler Piotr, Karch Grzegorz, Wakui Hiroshi**

Large self-similar solutions of the parabolic-elliptic Keller-Segel model

Indiana University Mathematics Journal, 2023, **72**, 1027-1054.

IF = 1.059

12. **Bisewski Krzysztof, Dębicki Krzysztof, Kriukov Nikolai**

Simultaneous ruin probability for multivariate Gaussian risk model

Stoch. Process. Their Appl., 2023, **160**, 386-408.

IF = 1.43

**13. Borodulin-Nadzieja Piotr, Cegielka Katarzyna**

On measures induced by forcing names for ultrafilters

Topology Appl., 2023, **323**, 1-14.

IF = 0.583

**14. Borodulin-Nadzieja Piotr, Sobota Damian**

There is a P-measure in the random model

Fundam. Math., 2023, **262**, 235-257.

IF = 0.589

**15. Borodulin-Nadzieja Piotr, Sobota Damian**

On sequences of homomorphisms into measure algebras and the Efimov problem

J. Symb. Log., 2023, **88**, 191-218.

IF = 0.634

**16. Bors Dorota, Stańczy Robert**

Mathematical model for Sagittarius A\* and related Tolman-Oppenheimer-Volkoff equations

Math. Meth. Appl. Sci., 2023, **46**, 12052-12063.

IF = 3.007

**17. Bors Dorota, Stańczy Robert**

Dynamical system describing cloud of particles

J. Differ. Equ, 2023, **342**, 21-33.

IF = 2.615

**18. Bourgain Jean, Mirek Mariusz, Stein Elias, Wright James**

On a multi-parameter variant of the Bellow–Furstenberg problem

Forum Math. Pi, 2023, **11**, 1-64.

IF = 2.3

**19. Bożejko Marek, Dołęga Maciej, Ejsmont Wiktor, Gal Światosław**

Reflection length with two parameters in the asymptotic representation theory of type B/C and applications

J. Funct. Anal., 2023, **284**, 1-46.

IF = 1.891

**20. Bożejko Marek, Ejsmont Wiktor**

The Double Fock Space of Type B

Symmetry, Integrability and Geometry - Methods and Applications, 2023, **19**, 1-22.

IF = 0.817

**21. Buraczewski Dariusz, Dong Congzao, Iksanov Oleksandr, Marynych Alexander**

Critical branching processes in a sparse random environment

Mod. Stoch.-Theory Appl., 2023, **10**, 397-411.

IF = 0.4

**22. Buraczewski Dariusz, Dong Congzao, Iksanov Oleksandr, Marynych Alexander**

Limit theorems for random Dirichlet series

Stoch. Process. Their Appl., 2023, **165**, 246-274.

IF = 1.43

**23. Buraczewski Dariusz, Dyszewski Piotr, Marynych Alexander**

Solutions of kinetic-type equations with perturbed collisions

Stoch. Process. Their Appl., 2023, **159**, 199-224.

IF = 1.43

**24. Chałupnik Marcin, Kowalski Piotr**

Difference sheaves and torsors

Fundam. Math., 2023, **260**, 111-161.

IF = 0.589

25. **Chernikov Artem, Hrushovski Ehud, Kruckman Alex, Krupiński Krzysztof, Moconja Slavko, Pillay Anand, Ramsey Nicholas**

Invariant measures in simple and in small theories

J. Math. Log., 2023, **23**, 1-32.

IF = 1.229

26. **Cooper Nathaniel, Dainotti Maria Giovanna, Narendra Aditya, Liodakis Ioannis, Bogdan Malgorzata**

*Fermi* LAT AGN classification using supervised machine learning

Mon. Not. Roy. Astron. Soc., 2023, **525**, 1731-1745.

IF = 5.235

27. **Cygan Wojciech, Grzywny Tomasz**

Asymptotics of non-local perimeters

Ann. Mat. Pura Appl., 2023, **202**, 2629-2651.

IF = 0.986

28. **Cygan Szymon, Marciniak-Czochra Anna, Karch Grzegorz, Suzuki Kanako**

Stable discontinuous stationary solutions to reaction-diffusion-ODE systems

Commun. Partial Differ. Equ., 2023, **48**, 478-510.

IF = 1.95

29. **Cygan Wojciech, Sandrić Nikola, Šebek Stjepan**

Invariance principle for the capacity and the cardinality of the range of stable random walks

Stoch. Process. Their Appl., 2023, **163**, 61-84.

IF = 1.43

30. **Dainotti Maria Giovanna, Bargiacchi Giada, Bogdan Małgorzata, Lenart Aleksander Ł., Iwasaki Kazunari, Capozziello Salvatore, Fraija Nissim**  
Reducing the Uncertainty on the Hubble Constant up to 35% with an Improved Statistical Analysis: Different Best-fit Likelihoods for Type Ia Supernovae, Baryon Acoustic Oscillations, Quasars, and Gamma-Ray Bursts  
Astrophys. J., 2023, **951**, 1-24.  
IF = 5.521
31. **Dainotti Maria Giovanna, Lenart Aleksander Ł., Chraya Ashley, Sarracino Giuseppe, Nagataki Shigehiro, Fraija Nissim, Capozziello Salvatore, Bogdan Małgorzata**  
The gamma-ray bursts fundamental plane correlation as a cosmological tool  
Mon. Not. Roy. Astron. Soc., 2023, **518**, 2201-2240.  
IF = 5.235
32. **Damek Ewa, Mikosch Thomas, Zhao Yuwei, Zienkiewicz Jacek**  
Whittle estimation based on the extremal spectral density of a heavy-tailed random field  
Stoch. Process. Their Appl., 2023, **155**, 232-267.  
IF = 1.43
33. **Das Biswarup, Franz Uwe, Wysoczańska-Kula Anna, Skalski Adam**  
Second cohomology groups of the Hopf  $*$ -algebras associated to universal unitary quantum groups  
Ann. Inst. Fourier, 2023, **73**, 479-509.  
IF = 0.978
34. **Dębicki Krzysztof, Hashorva Enkelejd, Liu Peng**  
Sojourns of fractional Brownian motion queues: transient asymptotics  
Queueing Syst., 2023, **105**, 139-170.  
IF = 1.402

35. **Dębicki Krzysztof, Hashorva Enkelejd, Liu Peng, Michna Zbigniew**  
Sojourn times of Gaussian and related random fields  
ALEA-Latin Am. J. Probab. Math., 2023, **20**, 249-289.  
IF = 0.732
36. **Dębicki Krzysztof, Hashorva Enkelejd, Mandjes Michel**  
Editorial introduction: special issue on Gaussian queues  
Queueing Syst., 2023, **105**, 1-4.  
IF = 1.402
37. **Dębicki Krzysztof, Peng Xiaofan**  
Sojourns of stationary Gaussian processes over a random interval  
ALEA-Latin Am. J. Probab. Math., 2023, **20**, 1017–1039.  
IF = 0.732
38. **Di Piazza Luisa, Marraffa Valeria, Musiał Kazimierz, Sambucini Anna Rita**  
Convergence for varying measures  
J. Math. Anal. Appl., 2023, **518**, 1-22.  
IF = 1.417
39. **Dobrowolski Jan**  
Sets, groups, and fields definable in vector spaces with a bilinear form  
Ann. Inst. Fourier, 2023, **73**, 1795-1841.  
IF = 0.978
40. **Dyszewski Piotr, Gantert Nina, Höfelsauer Thomas**  
The maximum of a branching random walk with stretched exponential tails  
Ann. Inst. Henri Poincaré-Probab. Stat., 2023, **59**, 539-562.  
IF = 1.484

41. **Dziubański Jacek, Hejna Agnieszka**

Remarks on Dunkl translations of non-radial kernels

J. Fourier Anal. Appl., 2023, **29**, 1-35.

IF = 1.273

42. **Dziubański Jacek, Hejna Agnieszka**

Upper and lower bounds for the Dunkl heat kernel

Calc. Var. Partial Differ. Equ., 2023, **62**, 1-18.

IF = 2.079

43. **Dziubański Jacek, Hejna Agnieszka**

A note on commutators of singular integrals with BMO and VMO functions in the Dunkl setting

Math. Nachr., 2023, **Early View**, 1-15.

IF = 1.199

44. **Franz Uwe, Wysoczańska-Kula Anna, Lindsay J. Martin, Skeide Michael**

Hunt's formula for  $SU_q(N)$  and  $U_q(N)$

Indiana University Mathematics Journal, 2023, **72**, 1717-1748.

IF = 1.059

45. **Gal Światosław, Kędra Jarosław, Trost Alexander Alois**

Finite index subgroups in Chevalley groups are bounded: An addendum to "On Bi-Invariant Word Metrics"

Journal of Topology and Analysis, 2023, **Online Ready**, 1-8.

IF = 0.641

46. **Gismatullin Jakub**

On model-theoretic connected groups

J. Symb. Log., 2023, **Accepted manuscript**, 1-25.

IF = 0.634



47. **Gismatullin Jakub**

On model-theoretic connected components in some group extensions

J. Symb. Log., 2023, **FirstView**, 1-30.

IF = 0.634

48. **Gismatullin Jakub, Jagiella Grzegorz, Krupiński Krzysztof**

Bohr compactifications of groups and rings

J. Symb. Log., 2023, **88**, 1103-1137.

IF = 0.634

49. **Gismatullin Jakub, Tarasek Katarzyna**

On binomials and algebraic closure of some pseudofinite fields

Commun. Algebr., 2023, **51**, 95-97.

IF = 0.617

50. **Gogolok Jakub**

Model theory of derivations of the Frobenius map revisited

J. Symb. Log., 2023, **88**, 1213-1229.

IF = 0.634

51. **Hejna Agnieszka**

Dimension-free  $L^p$ -estimates for vectors of Riesz transforms in the rational Dunkl setting

J. Anal. Math., 2023, **150**, 485-528.

IF = 1.132

52. **Hoffmann Daniel, Kowalski Piotr**

PAC structures as invariants of finite group actions

J. Symb. Log., 2023, "**preproof**" **accepted article**, 1-34.

IF = 0.634

**53. Hoffmann Daniel, Kowalski Piotr**

Model theory of fields with finite group scheme actions

J. Symb. Log., 2023, **88**, 1443-1468.

IF = 0.634

**54. Hotta Ikkei, Mlotkowski Wojciech, Sakuma Noriyoshi, Ueda Yuki**

On freely quasi-infinitely divisible distributions

ALEA-Latin Am. J. Probab. Math., 2023, **20**, 941-971.

IF = 0.732

**55. Huang Ting, Staniak Mateusz, Leprevost Felipe da Veiga, Figueroa-Navedo Amanda M., Ivanov Alexander R., Nesvizhskii Alexey I., Choi Meena, Vitek Olga**

Statistical detection of differentially abundant proteins in experiments with repeated measures designs and isobaric labeling

J. Proteome Res., 2023, **22**, 2641-2659.

IF = 4.4

**56. Ionescu Alex, Magyar Akos, Mirek Mariusz, Szarek Tomasz Zachary**

Polynomial sequences in discrete nilpotent groups of step 2

Adv. Nonlinear Stud., 2023, **23**, 1-24.

IF = 1.8

**57. Ionescu Alex, Magyar Akos, Mirek Mariusz, Szarek Tomasz Zachary**

Polynomial averages and pointwise ergodic theorems on nilpotent groups

Invent. Math., 2023, **231**, 1023–1140.

IF = 3.128

**58. Iosevich Alex, Langowski Bartosz, Mirek Mariusz, Szarek Tomasz Zachary**

Lattice points problem, equidistribution and ergodic theorems for certain arithmetic spheres

Math. Ann., 2023, **Online first articles**, 1-80.

IF = 1.334

**59. Jasiulis-Goldyn Barbara, Lechańska Alicja, Misiewicz Jolanta Krystyna**

Cramér–Lundberg model for some classes of extremal Markov sequences

Lith. Math. J., 2023, **63**, 272-290.

IF = 0.704

**60. Jasiulis-Goldyn Barbara, Misiewicz Jolanta Krystyna, Omev Edward, Wesolowski Jacek**

How exceptional is the extremal Kendall and Kendall-type convolution

Results Math., 2023, **78**, 1-37.

IF = 2.2

**61. Jurek Zbigniew**

Which Urbanik class  $L_k$ , do the hyperbolic and the generalized logistic characteristic functions belong to?

Stat. Probab. Lett., 2023, **197**, 1-8.

IF = 0.718

**62. Jurek Zbigniew**

Some definite integrals arising from selfdecomposable characteristic functions

Lith. Math. J., 2023, **63**, 291-304.

IF = 0.704

**63. Kohler Devon, Kaza Maanasa, Pasi Cristina, Huang Ting, Staniak Mateusz, Mohandas Dhaval, Sabido Eduard, Choi Meena, Vitek Olga**

MSstatsShiny: a GUI for versatile, scalable, and reproducible statistical analyses of quantitative proteomic experiments

J. Proteome Res., 2023, **22**, 551-556.

IF = 4.4

64. **Kohler Devon, Staniak Mateusz, Tsai Tsung-Heng, Huang Ting, Shulman Nicholas, Bernhardt Oliver M., MacLean Brendan X., Nesvizhskii Alexey I., Reiter Lukas, Sabido Eduard, Choi Meena, Vitek Olga**

MSstats version 4.0: statistical analyses of quantitative mass spectrometry-based proteomic experiments with chromatography-based quantification at scale

J. Proteome Res., 2023, **22**, 1466-1482.

IF = 4.4

65. **Kolesko Konrad, Sava-Huss Ecaterina**

Limit theorems for discrete multitype branching processes counted with a characteristic

Stoch. Process. Their Appl., 2023, **162**, 49-75.

IF = 1.43

66. **Kosz Dariusz, Mirek Mariusz, Plewa Pawel, Wróbel Błażej**

Some remarks on dimension-free estimates for the discrete Hardy-Littlewood maximal functions

Isr. J. Math., 2023, **254**, 1-38.

IF = 1.089

67. **Krawiec Michał, Palmowski Zbigniew**

Multivariate Lévy-type drift change detection and mortality modeling

Eur. Actuar. J., 2023, **Online first articles**, 1-29.

IF = 1.2

68. **Krupiński Krzysztof**

Locally compact models for approximate rings

Math. Ann., 2023, **Online first articles**, 1-25.

IF = 1.334

69. **Krupiński Krzysztof, Pillay Anand**

On the topological dynamics of automorphism groups: a model-theoretic perspective

Arch. Math. Log., 2023, **62**, 505-529.

IF = 0.492

**70. Krupiński Krzysztof, Portillo Fernandez Adrian**

Maximal stable quotients of invariant types in NIP theories

J. Symb. Log., 2023, **FirstView**, 1-25.

IF = 0.634

**71. Krystecki Konrad**

Cumulative Parisian ruin probability for two-dimensional Brownian risk model

Prob. Math. Stat., 2023, **43**, 63-81.

IF = 0.522

**72. Kucharski Maciej Tomasz, Wróbel Błażej**

A dimension-free estimate on  $L^2$  for the maximal Riesz transform in terms of the Riesz transform

Math. Ann., 2023, **386**, 1017-1039.

IF = 1.334

**73. Lorek Paweł, Nowak Rafał, Trzeciński Tomasz, Zięba Maciej**

FlowHMM: Flow-based continuous hidden Markov models

in: 36th Conference on Neural Information Processing Systems, NeurIPS 2022, New Orleans, LA, USA / ed.Sanmi Koyejo, S. Mohamed, A. Agarwal, D. Belgrave, K. Cho, A. Oh

Curran Associates, Inc., New York, 2023, 8773-8784.

**74. Malinowski Adam Marek, Newelski Ludomir**

Weak heirs, coheirs and the Ellis semigroups

J. Symb. Log., 2023, **FirstView**, 1-22.

IF = 0.634

**75. Marcinkowski Michał**

A short proof that the  $L^p$ -diameter of  $\text{Diff}_0(S, \text{area})$  is infinite

Algebraic and Geometric Topology, 2023, **23**, 883-893.

IF = 0.76

**76. Mirek Mariusz, Ślomian Wojciech, Szarek Tomasz Zachary**

Some remarks on oscillation inequalities

Ergod. Theory Dyn. Syst., 2023, **43**, 3383-3412.

IF = 1.066

**77. Mirek Mariusz, Szarek Tomasz Zachary, Wróbel Błażej**

Dimension-free estimates for the discrete spherical maximal functions

Int. Math. Res. Notices, 2023, **Early Access**, 1-63.

IF = 1.53

**78. Mirek Jarosław, Wróbel Błażej, Ślomian Wojciech**

On the solution of Waring problem with a multiplicative error term: dimension-free estimates

Proc. Amer. Math. Soc., 2023, **151**, 3365-3379.

IF = 0.971

**79. Nowak Adam, Roncal Luz, Szarek Tomasz Zachary**

Endpoint estimates and optimality for the generalized spherical maximal operator on radial functions

Communications on Pure and Applied Analysis, 2023, **22**, 2233-2277.

IF = 1.273

**80. Osajda Damian**

Normal subgroups of SimpHatic groups

Journal of Topology and Analysis, 2023, **15**, 845-864.

IF = 0.641

**81. Oussi Lahcen**

Distribution for non symmetric position operators on the free toy Fock space and its approximation on the full Fock space

Complex Anal. Oper. Theory, 2023, **17**, 1-20.

IF = 0.819

**82. Oussi Lahcen**

On degenerate Simsek and Stirling numbers

J. Integer Seq., 2023, **26**, 1-21.

IF = 0.5

**83. Oussi Lahcen, Wysoczański Janusz**

Analogues of Poisson-type limit theorems in discrete bm-Fock spaces

Infin. Dimens. Anal. Quantum, 2023, **Online Ready**, 1-23.

IF = 0.828

**84. Paluszyński Maciej, Zienkiewicz Jacek**

On maximal function of discrete rough truncated Hilbert transforms

Ann. Mat. Pura Appl., 2023, **202**, 2785-2801.

IF = 0.986

**85. Plebanek Grzegorz**

Musing on Kunen's compact L-space

Topology Appl., 2023, **323**, 1-10.

IF = 0.583

**86. Plebanek Grzegorz, Alarcón Alberto Salguero**

The complemented subspace problem for  $C(K)$ -spaces: a counterexample

Adv. Math., 2023, **426**, 1-20.

IF = 1.675

**87. Świdorski Grzegorz, Trojan Bartosz**

Orthogonal polynomials with periodically modulated recurrence coefficients in the Jordan block case II

Constr. Approx., 2023, **58**, 615-686.

IF = 1.779

**88. Trost Alexander Alois**

Conjugation-invariant norms on  $SL_2(R)$  for rings of S-algebraic integers with infinitely many units

Commun. Algebr., 2023, **51**, 4329-4346.

IF = 0.617

**89. Urban Roman**

Matrix-valued Schrödinger operators over finite adeles

Infin. Dimens. Anal. Quantum, 2023, **26**, 1-21.

IF = 0.828

**90. Valiunas Motiejus**

Commensurators of abelian subgroups of biautomatic groups

Geod. Dedic., 2023, **217**, 1-17.

IF = 0.516

**91. Weinstein Asaf, Su Weijie J., Bogdan Malgorzata, Foygel Barber Rina, Candes Emmanuel**

A power analysis for model-X knockoffs with  $\ell_p$ -regularized statistics

Ann. Stat., 2023, **51**, 1005-1029.

IF = 4.904

**92. Wylupek Grzegorz**

A nonparametric test for paired data



J. Multivar. Anal., 2023, **198**, 1-12.

IF = 1.387