

Books:

1. Meerschaert M. M., **Sikorskii A.** *Stochastic Models for Fractional Calculus*. De Gruyter, Studies in Mathematics 43, De Gruyter, Berlin, 2012, ISBN 978—3-11-025869-1.

Peer- Reviewed Publications:

Statistics, Probability and Mathematics Journals:

1. Leonenko N, Papic I, **Sikorskii A**, Suvak N. Correlated continuous time random walks and fractional Pearson diffusions. Accepted by *Bernoulli*, 2017.
2. Anh V, Leonenko N, Sikorskii A. Stochastic representation of fractional Bessel-Riesz motion. Accepted by *Chaos, Solitons and Fractals*, 2017.
3. Leonenko N, Papic I, **Sikorskii A**, Suvac N. Heavy-tailed fractional Pearson diffusions. Accepted by *Stochastic Processes and Their Applications*, 2017, <http://dx.doi.org/10.1016/j.spa.2017.03.004>
4. Grahovac D, Leonenko N, **Sikorskii A**, Tesnjak I. Intermittency of superpositions of Ornstein-Uhlenbeck type processes. *Journal of Statistical Physics*, 2016, 165, 390-408.
5. Meerschaert MM, Schilling R, **Sikorskii A**. Stochastic solutions for fractional wave equations. *Nonlinear Dynamics*, DOI 10.1007/s11071-014-1299-z. Vol. 80, 2015, No. 4, pp. 1685–1695, Special issue on *Fractional Dynamics and Its Applications*.
6. Leonenko NN, Meerschaert MM, Schilling R, **Sikorskii A**. Correlation structure of time-changed Levy processes. *Communications in Applied and Industrial Mathematics*, Vol. 6, No 1, p.e -483, 2014.
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11. Bolster D, Meerschaert MM, **Sikorskii A**. Product rule for vector fractional derivatives. *Fractional Calculus and Applied Analysis*, 2012, 15(3): 463-478.
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14. **Sikorskii A**, Melfi V, Gilliland D, Kaplan J, Ahn S. Quantitative literacy at Michigan State University: Development and initial evaluation of the assessment. *Numeracy* 2011, 4 (2): Article 5.
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18. **Sikorskii A**. Diffusion approximation of solutions of perturbed differential equations. *Random Oper. and Stoch. Equations*, 2001;10(1): 13-28.
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Health Sciences Journals:

25. Given B, Given C, **Sikorskii A**, Vachon E, Banik A. Medication burden of treatment using oral cancer medications. *Asia-Pacific Journal of Oncology Nursing*, 2017, 4(4): 80-87.
26. Wyatt G, **Sikorskii A**, Tesnjak I, Frambes D, Holmstrom A, Luo Z, Victorson D, Tamkus D. A Randomized Clinical Trial of Caregiver-delivered Reflexology for Symptom Management during Breast Cancer Treatment. Accepted by *Journal of Pain and Symptom Management*, 2017.
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