

# Yakov Nikitin

## List of Publications by Year in descending order

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759233

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79  
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79  
docs citations

79  
times ranked

173  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral equivalence of Gaussian random functions: Operator approach. Bernoulli, 2022, 28, .	1.3	1
2	Limit Theorems for Areas and Perimeters of Random Inscribed and Circumscribed Polygons. Journal of Mathematical Sciences, 2021, 258, 873.	0.4	0
3	New Characterization-Based Symmetry Tests. Bulletin of the Malaysian Mathematical Sciences Society, 2020, 43, 297-320.	0.9	11
4	New tests for exponentiality based on a characterization with random shift. Journal of Statistical Computation and Simulation, 2020, 90, 2840-2857.	1.2	0
5	Goodness-of-fit tests for the logistic location family. Journal of Applied Statistics, 2020, 47, 2610-2622.	1.3	2
6	Goodness-of-Fit Tests Based on Characterization of Uniformity by the Ratio of Order Statistics, and Their Efficiency. Journal of Mathematical Sciences, 2020, 244, 743-751.	0.4	2
7	Toward the History of the St. Petersburg School of Probability and Statistics. IV. Characterization of Distributions and Limit Theorems in Statistics. Vestnik St Petersburg University: Mathematics, 2019, 52, 36-53.	0.4	0
8	Goodness-of-Fit Tests Based on a Characterization of Logistic Distribution. Vestnik St Petersburg University: Mathematics, 2019, 52, 169-177.	0.4	2
9	Asymptotic Efficiency of New Distribution-Free Tests of Symmetry for Generalized Skew Alternatives. Journal of Mathematical Sciences, 2018, 229, 651-663.	0.4	2
10	On Small Deviation Asymptotics In L2 of Some Mixed Gaussian Processes. Mathematics, 2018, 6, 55.	2.2	4
11	Toward the History of the Saint Petersburg School of Probability and Statistics. I. Limit Theorems for Sums of Independent Random Variables. Vestnik St Petersburg University: Mathematics, 2018, 51, 144-163.	0.4	2
12	Local exact Bahadur efficiencies of two scale-free tests of normality based on a recent characterization. Metrika, 2018, 81, 609-618.	0.8	1
13	Teaching Classic Probability Problems with Modern Digital Tools. Computers in the Schools, 2017, 34, 318-336.	1.0	1
14	Efficiency of exponentiality tests based on a special property of exponential distribution. Mathematical Methods of Statistics, 2016, 25, 54-66.	0.6	10
15	Local efficiency of integrated goodness-of-fit tests under skew alternatives. Statistics and Probability Letters, 2016, 117, 136-143.	0.7	4
16	Kolmogorov Tests of Normality Based on Some Variants of Polya's Characterization. Journal of Mathematical Sciences, 2016, 219, 782-788.	0.4	3
17	Interaction effects of alkaline and acid electrolytes with intermetallic $\beta$ -phase on surface of nickel superalloys. Inorganic Materials: Applied Research, 2016, 7, 458-464.	0.5	0
18	Exponentiality Tests Based on Ahsanullah's Characterization and Their Efficiency. Journal of Mathematical Sciences, 2015, 204, 42-54.	0.4	11

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19	Tests of exponentiality based on Arnold's Villaseñor characterization and their efficiencies. Computational Statistics and Data Analysis, 2015, 90, 100-113.	1.2	20
20	New U-empirical Tests of Symmetry Based on Extremal Order Statistics, and Their Efficiencies. , 2015, , 231-248.		4
21	Precise small deviations in L <sup>2</sup> of some Gaussian processes appearing in the regression context. Open Mathematics, 2014, 12, .	1.0	0
22	Goodness-of-Fit Tests for the Power Function Distribution Based on the Puri-Rubin Characterization and Their Efficiencies. Journal of Mathematical Sciences, 2014, 199, 130-138.	0.4	4
23	Exact Small Deviation Asymptotics for Some Brownian Functionals. Theory of Probability and Its Applications, 2013, 57, 60-81.	0.3	8
24	News of Scientific Life. Theory of Probability and Its Applications, 2013, 57, 545-545.	0.3	0
25	On large deviations of smoothed Kolmogorov-Smirnov's statistics. Vestnik St Petersburg University: Mathematics, 2011, 44, 97-102.	0.4	1
26	Large deviations of U-empirical Kolmogorov's Smirnov tests and their efficiency. Journal of Nonparametric Statistics, 2010, 22, 649-668.	0.9	30
27	Asymptotic efficiency of exponentiality tests based on order statistics characterization. Georgian Mathematical Journal, 2010, 17, 749-763.	0.6	19
28	On asymptotic efficiency of tests of fit based on the Deheuvels empirical process. Journal of Mathematical Sciences, 2009, 159, 317-323.	0.4	4
29	Integral distribution-free statistics of -type and their asymptotic comparison. Computational Statistics and Data Analysis, 2009, 53, 3426-3438.	1.2	9
30	On the asymptotic efficiency of normality tests based on the Shepp property. Vestnik St Petersburg University: Mathematics, 2009, 42, 256-261.	0.4	3
31	Asymptotic efficiency and local optimality of tests based on two-sample U-and V-statistics. Journal of Mathematical Sciences, 2008, 152, 921-927.	0.4	3
32	A class of count models and a new consistent test for the Poisson distribution. Journal of Statistical Planning and Inference, 2008, 138, 3722-3732.	0.6	8
33	Small ball probabilities for Gaussian random fields and tensor products of compact operators. Transactions of the American Mathematical Society, 2008, 360, 1443-1475.	0.9	40
34	Abram Meerovich Kagan (on his 70th birthday). Russian Mathematical Surveys, 2007, 62, 1239-1242.	0.6	0
35	Lilliefors test for exponentiality: Large deviations, asymptotic efficiency, and conditions of local optimality. Mathematical Methods of Statistics, 2007, 16, 16-24.	0.6	9
36	Testing exponentiality against a class of alternatives which includes the RNBUE distributions based on the empirical laplace transform. Journal of Mathematical Sciences, 2007, 145, 4871-4879.	0.4	3

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37	Sharp Small Deviation Asymptotics in the L <sup>2</sup> -Norm for a Class of Gaussian Processes. Journal of Mathematical Sciences, 2006, 133, 1328-1332.	0.4	8
38	Exact small deviation asymptotics for the Slepian and Watson processes in the Hilbert norm. Journal of Mathematical Sciences, 2006, 137, 4555-4560.	0.4	9
39	Two families of normality tests based on Polya-type characterization and their efficiencies. Journal of Mathematical Sciences, 2006, 139, 6582-6588.	0.4	1
40	Logarithmic L <sup>2</sup> -Small Ball Asymptotics for some Fractional Gaussian Processes. Theory of Probability and Its Applications, 2005, 49, 645-658.	0.3	15
41	Exact L <sup>2</sup> -small ball behavior of integrated Gaussian processes and spectral asymptotics of boundary value problems. Probability Theory and Related Fields, 2004, 129, 469.	1.8	64
42	Pitman Efficiency of Independence Tests Based on Weighted Rank Statistics. Journal of Mathematical Sciences, 2003, 118, 5596-5606.	0.4	3
43	How the sojourn time distributions of Brownian motion are affected by different forms of conditioning. Statistics and Probability Letters, 2003, 65, 291-302.	0.7	2
44	Local Bahadur efficiency of some goodness-of-fit tests under skew alternatives. Journal of Statistical Planning and Inference, 2003, 115, 171-179.	0.6	11
45	Tail behavior of anisotropic norms for Gaussian random fields. Comptes Rendus Mathematique, 2003, 336, 85-88.	0.3	8
46	Two-Sample Tests Based on the Integrated Empirical Process. Communications in Statistics - Theory and Methods, 2003, 32, 1767-1788.	1.0	14
47	Il'dar Abdullovich Ibragimov (on his 70th birthday). Russian Mathematical Surveys, 2002, 57, 1039-1043.	0.6	0
48	Asymptotic Efficiency of Maesono Statistics for Testing of Symmetry. Annals of the Institute of Statistical Mathematics, 2002, 54, 382-390.	0.8	1
49	The Combination of the Sign and Wilcoxon Tests for Symmetry and Their Pitman Efficiency. , 2001, , 395-407.		1
50	The intermediate arc-sine law. Statistics and Probability Letters, 2000, 49, 119-125.	0.7	8
51	On Sojourn Distributions of Processes Related to Some Higher-Order Heat-Type Equations. Journal of Theoretical Probability, 2000, 13, 997-1012.	0.8	18
52	A new approach to goodness-of-fit testing based on the integrated empirical process <sup>*</sup> . Journal of Nonparametric Statistics, 2000, 12, 391-416.	0.9	27
53	Asymptotic efficiency of independence tests based on gini's rank association coefficient, spearman's footrule and their generalizations. Communications in Statistics - Theory and Methods, 1999, 28, 453-465.	1.0	13
54	Bahadur efficiency of a test of exponentiality based on a loss-of-memory type functional equation. Journal of Nonparametric Statistics, 1996, 6, 13-26.	0.9	20

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55	Bahadur efficiency and local optimality of a test for the exponential distribution based on the gini statistic. Journal of the Italian Statistical Society, 1996, 5, 163-175.	0.1	22
56	On conditions of chernoff local asymptotic optimality of some nonparametric symmetry tests. Journal of Mathematical Sciences, 1996, 81, 2424-2429.	0.4	1
57	On conditions of bahadur local asymptotic optimality of weighted Kolmogorov-Smirnov statistics. Journal of Mathematical Sciences, 1995, 75, 1884-1888.	0.4	1
58	Asymptotic Efficiency of Nonparametric Goodness-of-Fit Tests. , 1995, , 40-93.		0
59	Local Chernoff and Hodges-Lehmann efficiencies of linear rank tests for symmetry. Journal of Mathematical Sciences, 1994, 68, 551-559.	0.4	1
60	Chernoff efficiency of the sign and Wilcoxon tests for testing the symmetry hypothesis. Journal of Soviet Mathematics, 1992, 61, 1891-1896.	0.0	0
61	Hodges-Lehmann and Chernoff efficiencies of linear rank statistics. Journal of Statistical Planning and Inference, 1991, 29, 309-323.	0.6	5
62	Bahadur efficiency and local asymptotic optimality of certain nonparametric tests for independence. Journal of Soviet Mathematics, 1990, 52, 2942-2955.	0.0	4
63	Asymptotic efficiency of Kolmogorov-Smirnov type symmetry tests in the case of a sample of random size. Journal of Soviet Mathematics, 1989, 44, 516-521.	0.0	0
64	Bahadur effectiveness of Watson-Darling goodness-of-fit tests. Journal of Soviet Mathematics, 1988, 43, 2833-2838.	0.0	2
65	On the Hodges-Lehmann Asymptotic Efficiency of Nonparametric Tests of Goodness of Fit and Homogeneity. Theory of Probability and Its Applications, 1988, 32, 77-85.	0.3	5
66	Hodges-Lehmann asymptotic efficiency of the Kolmogorov and Smirnov goodness-of-fit tests. Journal of Soviet Mathematics, 1987, 36, 517-520.	0.0	0
67	Large deviations and asymptotic efficiency of integral statistics for testing independence. Journal of Soviet Mathematics, 1987, 38, 2382-2390.	0.0	1
68	Large deviations of the durbin statistics for testing uniformity on a square. Journal of Soviet Mathematics, 1986, 33, 799-800.	0.0	0
69	Local Asymptotic Bahadur Optimality and Characterization Problems. Theory of Probability and Its Applications, 1985, 29, 79-92.	0.3	12
70	Large deviations and asymptotic efficiency of a statistic of integral type. II. Journal of Soviet Mathematics, 1984, 24, 585-603.	0.0	9
71	Bahadur asymptotic efficiency of integral tests for symmetry. Journal of Soviet Mathematics, 1984, 27, 3124-3134.	0.0	3
72	Asymptotic comparison of a class of nonparametric tests with the Student test. Journal of Soviet Mathematics, 1984, 27, 3271-3273.	0.0	0

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73	Characterization of distributions by the local asymptotic optimality property of tests statistics. Journal of Soviet Mathematics, 1984, 25, 1186-1195.	0.0	2
74	Bahadur asymptotic efficiency of $\chi^2$ -type tests in the many-sample case. Journal of Soviet Mathematics, 1983, 21, 93-99.	0.0	0
75	Large deviations and asymptotic efficiency of statistics of integral type. I. Journal of Soviet Mathematics, 1982, 20, 2224-2231.	0.0	3
76	Limit distributions and comparative asymptotic efficiency of the Smirnov $\hat{\alpha}$ Kolmogorov statistics with a random index. Journal of Soviet Mathematics, 1981, 16, 1042-1049.	0.0	6
77	Lower bound for the speed of convergence in a problem with two boundaries. Lithuanian Mathematical Journal, 1974, 14, 658-660.	0.4	0