

Yakov Nikitin

List of Publications by Year in descending order

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79
all docs

79
docs citations

79
times ranked

173
citing authors

#	ARTICLE	IF	CITATIONS
1	Exact L2-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
2	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
3	Large deviations of U-empirical Kolmogorov-Smirnov tests and their efficiency. Journal of Nonparametric Statistics, 2010, 22, 649-668.	0.9	30
4	A new approach to goodness-of-fit testing based on the integrated empirical process $\int_0^1 W_n(t) dt$. Journal of Nonparametric Statistics, 2000, 12, 391-416.	0.9	27
5	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
6	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
7	Tests of exponentiality based on Arnold-Villasenor characterization and their efficiencies. Computational Statistics and Data Analysis, 2015, 90, 100-113.	1.2	20
8	Asymptotic efficiency of exponentiality tests based on order statistics characterization. Georgian Mathematical Journal, 2010, 17, 749-763.	0.6	19
9	On Sojourn Distributions of Processes Related to Some Higher-Order Heat-Type Equations. Journal of Theoretical Probability, 2000, 13, 997-1012.	0.8	18
10	Logarithmic L2-Small Ball Asymptotics for some Fractional Gaussian Processes. Theory of Probability and Its Applications, 2005, 49, 645-658.	0.3	15
11	Two-Sample Tests Based on the Integrated Empirical Process. Communications in Statistics - Theory and Methods, 2003, 32, 1767-1788.	1.0	14
12	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
13	Local Asymptotic Bahadur Optimality and Characterization Problems. Theory of Probability and Its Applications, 1985, 29, 79-92.	0.3	12
14	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
15	Exponentiality Tests Based on Ahsanullah's Characterization and Their Efficiency. Journal of Mathematical Sciences, 2015, 204, 42-54.	0.4	11
16	New Characterization-Based Symmetry Tests. Bulletin of the Malaysian Mathematical Sciences Society, 2020, 43, 297-320.	0.9	11
17	Efficiency of exponentiality tests based on a special property of exponential distribution. Mathematical Methods of Statistics, 2016, 25, 54-66.	0.6	10
18	Large deviations and asymptotic efficiency of a statistic of integral type. II. Journal of Soviet Mathematics, 1984, 24, 585-603.	0.0	9

#	ARTICLE	IF	CITATIONS
19	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
20	Lilliefors test for exponentiality: Large deviations, asymptotic efficiency, and conditions of local optimality. Mathematical Methods of Statistics, 2007, 16, 16-24.	0.6	9
21	Integral distribution-free statistics of τ -type and their asymptotic comparison. Computational Statistics and Data Analysis, 2009, 53, 3426-3438.	1.2	9
22	The intermediate arc-sine law. Statistics and Probability Letters, 2000, 49, 119-125.	0.7	8
23	Tail behavior of anisotropic norms for Gaussian random fields. Comptes Rendus Mathematique, 2003, 336, 85-88.	0.3	8
24	Sharp Small Deviation Asymptotics in the L_2 -Norm for a Class of Gaussian Processes. Journal of Mathematical Sciences, 2006, 133, 1328-1332.	0.4	8
25	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
26	Exact Small Deviation Asymptotics for Some Brownian Functionals. Theory of Probability and Its Applications, 2013, 57, 60-81.	0.3	8
27	Limit distributions and comparative asymptotic efficiency of the Smirnov $\hat{\alpha}_n$ Kolmogorov statistics with a random index. Journal of Soviet Mathematics, 1981, 16, 1042-1049.	0.0	6
28	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
29	Hodges-Lehmann and Chernoff efficiencies of linear rank statistics. Journal of Statistical Planning and Inference, 1991, 29, 309-323.	0.6	5
30	Bahadur efficiency and local asymptotic optimality of certain nonparametric tests for independence. Journal of Soviet Mathematics, 1990, 52, 2942-2955.	0.0	4
31	On asymptotic efficiency of tests of fit based on the Deheuvels empirical process. Journal of Mathematical Sciences, 2009, 159, 317-323.	0.4	4
32	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
33	Local efficiency of integrated goodness-of-fit tests under skew alternatives. Statistics and Probability Letters, 2016, 117, 136-143.	0.7	4
34	On Small Deviation Asymptotics In L_2 of Some Mixed Gaussian Processes. Mathematics, 2018, 6, 55.	2.2	4
35	New \mathbb{L}_p -empirical Tests of Symmetry Based on Extremal Order Statistics, and Their Efficiencies. , 2015, , 231-248.		4
36	Large deviations and asymptotic efficiency of statistics of integral type. I. Journal of Soviet Mathematics, 1982, 20, 2224-2231.	0.0	3

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37	Bahadur asymptotic efficiency of integral tests for symmetry. Journal of Soviet Mathematics, 1984, 27, 3124-3134.	0.0	3
38	Pitman Efficiency of Independence Tests Based on Weighted Rank Statistics. Journal of Mathematical Sciences, 2003, 118, 5596-5606.	0.4	3
39	Testing exponentiality against a class of alternatives which includes the RNBLUE distributions based on the empirical laplace transform. Journal of Mathematical Sciences, 2007, 145, 4871-4879.	0.4	3
40	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
41	On the asymptotic efficiency of normality tests based on the Shepp property. Vestnik St Petersburg University: Mathematics, 2009, 42, 256-261.	0.4	3
42	Kolmogorov Tests of Normality Based on Some Variants of Polya's Characterization. Journal of Mathematical Sciences, 2016, 219, 782-788.	0.4	3
43	Characterization of distributions by the local asymptotic optimality property of tests statistics. Journal of Soviet Mathematics, 1984, 25, 1186-1195.	0.0	2
44	Bahadur effectiveness of Watson-Darling goodness-of-fit tests. Journal of Soviet Mathematics, 1988, 43, 2833-2838.	0.0	2
45	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
46	Asymptotic Efficiency of New Distribution-Free Tests of Symmetry for Generalized Skew Alternatives. Journal of Mathematical Sciences, 2018, 229, 651-663.	0.4	2
47	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
48	Goodness-of-fit tests for the logistic location family. Journal of Applied Statistics, 2020, 47, 2610-2622.	1.3	2
49	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
50	Goodness-of-Fit Tests Based on a Characterization of Logistic Distribution. Vestnik St Petersburg University: Mathematics, 2019, 52, 169-177.	0.4	2
51	Large deviations and asymptotic efficiency of integral statistics for testing independence. Journal of Soviet Mathematics, 1987, 38, 2382-2390.	0.0	1
52	Local Chernoff and Hodges-Lehmann efficiencies of linear rank tests for symmetry. Journal of Mathematical Sciences, 1994, 68, 551-559.	0.4	1
53	On conditions of bahadur local asymptotic optimality of weighted Kolmogorov-Smirnov statistics. Journal of Mathematical Sciences, 1995, 75, 1884-1888.	0.4	1
54	On conditions of chernoff local asymptotic optimality of some nonparametric symmetry tests. Journal of Mathematical Sciences, 1996, 81, 2424-2429.	0.4	1

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55	Asymptotic Efficiency of Maesono Statistics for Testing of Symmetry. Annals of the Institute of Statistical Mathematics, 2002, 54, 382-390.	0.8	1
56	Two families of normality tests based on Polya-type characterization and their efficiencies. Journal of Mathematical Sciences, 2006, 139, 6582-6588.	0.4	1
57	On large deviations of smoothed Kolmogorov-Smirnov's statistics. Vestnik St Petersburg University: Mathematics, 2011, 44, 97-102.	0.4	1
58	Teaching Classic Probability Problems with Modern Digital Tools. Computers in the Schools, 2017, 34, 318-336.	1.0	1
59	Local exact Bahadur efficiencies of two scale-free tests of normality based on a recent characterization. Metrika, 2018, 81, 609-618.	0.8	1
60	The Combination of the Sign and Wilcoxon Tests for Symmetry and Their Pitman Efficiency. , 2001, , 395-407.		1
61	Spectral equivalence of Gaussian random functions: Operator approach. Bernoulli, 2022, 28, .	1.3	1
62	Lower bound for the speed of convergence in a problem with two boundaries. Lithuanian Mathematical Journal, 1974, 14, 658-660.	0.4	0
63	Bahadur asymptotic efficiency of χ^2 -type tests in the many-sample case. Journal of Soviet Mathematics, 1983, 21, 93-99.	0.0	0
64	Asymptotic comparison of a class of nonparametric tests with the Student test. Journal of Soviet Mathematics, 1984, 27, 3271-3273.	0.0	0
65	Large deviations of the durbin statistics for testing uniformity on a square. Journal of Soviet Mathematics, 1986, 33, 799-800.	0.0	0
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	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
68	Chernoff efficiency of the sign and Wilcoxon tests for testing the symmetry hypothesis. Journal of Soviet Mathematics, 1992, 61, 1891-1896.	0.0	0
69	Asymptotic Efficiency of Nonparametric Goodness-of-Fit Tests. , 1995, , 40-93.		0
70	Il'dar Abdulloovich Ibragimov (on his 70th birthday). Russian Mathematical Surveys, 2002, 57, 1039-1043.	0.6	0
71	Abram Meerovich Kagan (on his 70th birthday). Russian Mathematical Surveys, 2007, 62, 1239-1242.	0.6	0
72	News of Scientific Life. Theory of Probability and Its Applications, 2013, 57, 545-545.	0.3	0

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73	Precise small deviations in L 2 of some Gaussian processes appearing in the regression context. Open Mathematics, 2014, 12, .	1.0	0
74	Interaction effects of alkaline and acid electrolytes with intermetallic β -phase on surface of nickel superalloys. Inorganic Materials: Applied Research, 2016, 7, 458-464.	0.5	0
75	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
76	New tests for exponentiality based on a characterization with random shift. Journal of Statistical Computation and Simulation, 2020, 90, 2840-2857.	1.2	0
77	Limit Theorems for Areas and Perimeters of Random Inscribed and Circumscribed Polygons. Journal of Mathematical Sciences, 2021, 258, 873.	0.4	0