Irina G Shevtsova

List of Publications by Year
in descending order

43 papers	435 citations	932766 10 h-index	752256 20 g-index
43 all docs	43 docs citations	43 times ranked	189 citing authors

#	Article	IF	Citations
1	An improvement of convergence rate estimates in the Lyapunov theorem. Doklady Mathematics, 2010, 82, 862-864.	0.1	71
2	An improvement of the Berry–Esseen inequality with applications to Poisson and mixed Poisson random sums. Scandinavian Actuarial Journal, 2012, 2012, 81-105.	1.0	66
3	On the Upper Bound for the Absolute Constant in the Berry–Esseen Inequality. Theory of Probability and Its Applications, 2010, 54, 638-658.	0.1	58
4	Sharpening of the Upper Bound of the Absolute Constant in the Berry–Esseen Inequality. Theory of Probability and Its Applications, 2007, 51, 549-553.	0.1	35
5	On the absolute constants in the Berry-Esseen-type inequalities. Doklady Mathematics, 2014, 89, 378-381.	0.1	27
6	On the Asymptotically Exact Constants in the Berry–Esseen–Katz Inequality. Theory of Probability and Its Applications, 2011, 55, 225-252.	0.1	24
7	On the Accuracy of the Normal Approximation to Compound Poisson Distributions. Theory of Probability and Its Applications, 2014, 58, 138-158.	0.1	16
8	The lower asymptotically exact constant in the central limit theorem. Doklady Mathematics, 2010, 81, 83-86.	0.1	15
9	On Nonuniform Convergence Rate Estimates in the Central Limit Theorem. Theory of Probability and Its Applications, 2013, 57, 28-59.	0.1	14
10	On the accuracy of the approximation of the complex exponent by the first terms of its Taylor expansion with applications. Journal of Mathematical Analysis and Applications, 2014, 418, 185-210.	0.5	10
11	Sharpened upper bounds for the absolute constant in the Berry-Esseen inequality for mixed Poisson random sums. Doklady Mathematics, 2010, 81, 180-182.	0.1	9
12	On the accuracy of the normal approximation for sums of independent random variables. Doklady Mathematics, 2012, 85, 274-278.	0.1	9
13	A New Moment-Type Estimate of Convergence Rate in the Lyapunov Theorem. Theory of Probability and Its Applications, 2011, 55, 505-509.	0.1	8
14	Esseen–Rozovskii Type Estimates for the Rate of Convergence in the Lindeberg Theorem. Journal of Mathematical Sciences, 2018, 234, 847-885.	0.1	7
15	A Generalized Equilibrium Transform with Application to Error Bounds in the Rényi Theorem with No Support Constraints. Mathematics, 2020, 8, 577.	1.1	7
16	An improvement of the Berry-Esseen inequalities. Doklady Mathematics, 2010, 81, 119-123.	0.1	6
17	Structural improvements of nonuniform convergence rate estimates in the central limit theorem with applications to poisson random sums. Doklady Mathematics, 2011, 84, 675-680.	0.1	6
18	Moment-Type Estimates with an Improved Structure for the Accuracy of the Normal Approximation to Distributions of Sums of Independent Symmetric Random Variables. Theory of Probability and Its Applications, 2013, 57, 468-496.	0.1	6

#	Article	IF	Citations
19	On the accuracy of the normal approximation for sums of symmetric independent random variables. Doklady Mathematics, 2012, 85, 292-296.	0.1	4
20	A square bias transformation of probability distributions: Some properties and applications. Doklady Mathematics, 2013, 88, 388-390.	0.1	4
21	On the Accuracy of the Normal Approximation. I. Theory of Probability and Its Applications, 2006, 50, 298-310.	0.1	3
22	A smoothing inequality. Doklady Mathematics, 2010, 81, 105-107.	0.1	3
23	A Generalization of the Wangâ€"Ahmad Inequality. Journal of Mathematical Sciences, 2019, 237, 646-651.	0.1	3
24	On the Accuracy of the Generalized Gamma Approximation to Generalized Negative Binomial Random Sums. Mathematics, 2021, 9, 1571.	1.1	3
25	On Convergence Rate in the Local Limit Theorem for Densities Under Various Moment Conditions. Journal of Mathematical Sciences, 2017, 221, 588-608.	0.1	2
26	An optimal Berry-Esseen type inequality for expectations of smooth functions. Doklady Mathematics, 2017, 95, 250-253.	0.1	2
27	On the Absolute Constants in Nagaevâ€"Bikelis-Type Inequalities. , 2017, , 47-102.		2
28	A Generalization of the Rozovskii Inequality. Journal of Mathematical Sciences, 2019, 237, 775-781.	0.1	2
29	On Natural Convergence Rate Estimates in the Lindeberg Theorem. Sankhya A, 2020, , 1.	0.4	2
30	An optimal Berryâ€"Esseen type theorem for integrals of smooth functions. Alea, 2019, 16, 463.	0.3	2
31	Way of Assessing an Athleteâ€™s Upright Posture Control while Performing Tracking Movements. Moscow University Computational Mathematics and Cybernetics, 2020, 44, 203-217.	0.1	2
32	On the Accuracy of the Normal Approximation. II. Theory of Probability and Its Applications, 2006, 50, 473-482.	0.1	1
33	On the accuracy of the normal approximation to the distributions of Poisson random sums. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2080025-2080026.	0.2	1
34	On the constants in the uniform and non-uniform versions of the Berry-Esseen inequality for Poisson random sums. , 2010, , .		1
35	On the accuracy of approximation of the complex exponential by the first terms of its taylor expansion and applications to the Fourier-Stieltjes transform. Doklady Mathematics, 2013, 88, 409-412.	0.1	1
36	On Convergence Rate in the Local Limit Theorem for Densities*. Journal of Mathematical Sciences, 2015, 205, 105-112.	0.1	1

#	Article	IF	Citations
37	Representativeness of a Sample in Monte Carlo Method*. Journal of Mathematical Sciences, 2015, 205, 27-33.	0.1	1
38	On the Accuracy of the Exponential Approximation to Random Sums of Alternating Random Variables. Mathematics, 2020, 8, 1917.	1.1	1
39	News of Scientific Life. Theory of Probability and Its Applications, 2014, 58, 343-344.	0.1	0
40	Moment-Type Estimates for Characteristic Functions with Application to Von Mises Inequality*. Journal of Mathematical Sciences, 2016, 214, 119-131.	0.1	0
41	On Convergence Rate in CLT for Smooth Distributions. Journal of Mathematical Sciences, 2017, 220, 742-752.	0.1	0
42	Lower Bounds for the Constants in Non-Uniform Estimates of the Rate of Convergence in the CLT. Journal of Mathematical Sciences, 2020, 248, 92-98.	0.1	0
43	Asymptotically Exact Constants in Natural Convergence Rate Estimates in the Lindeberg Theorem. Mathematics, 2021, 9, 501.	1.1	0