Sergey A Ukhinov

List of Publications by Citations

23 papers	55 citations	4 h-index	6 g-index
29 ext. papers	68 ext. citations	1.1 avg, IF	1.61 L-index

#	Paper	IF	Citations
23	Variance of a standard vector Monte Carlo estimate in the theory of polarized radiative transfer. *Computational Mathematics and Mathematical Physics*, **2006**, 46, 2006-2019	0.9	11
22	Randomized projection method for estimating angular distributions of polarized radiation based on numerical statistical modeling. *Computational Mathematics and Mathematical Physics*, **2016**, 56, 1540-1550	0.9	11
21	OZAFS space experiment for observing the fine structure of the ozone and aerosol distribution in the atmosphere. *Advances in Space Research*, **1992**, 12, 157-160	2.4	7
20	Dual representation of the mean square of the Monte Carlo vector estimator. *Doklady Mathematics*, **2011**, 83, 386-388	0.7	4
19	The Monte Carlo method and analytic averaging for estimation of parameters of polarized radiation asymptotics. *Russian Journal of Numerical Analysis and Mathematical Modelling*, **2008**, 23,	1.4	3
18	A new Monte Carlo algorithm for estimating the angular distribution of scattered polarized radiation based on orthogonal expansion. *Doklady Mathematics*, **2015**, 92, 572-576	0.7	2
17	Monte carlo estimate of backscattering noise asymptotics parameters with allowance for polarization. *Atmospheric and Oceanic Optics*, **2011**, 24, 109-118	0.8	2
16	Monte Carlo study of time asymptotics of the polarized radiation intensity. *Computational Mathematics and Mathematical Physics*, **2007**, 47, 1213-1223	0.9	2
15	Time asymptotics of the intensity of polarized radiation. *Russian Journal of Numerical Analysis and Mathematical Modelling*, **2007**, 22,	1.4	2
14	Monte Carlo method of calculating the derivatives of polarized radiation. *Russian Journal of Numerical Analysis and Mathematical Modelling*, **1998**, 13,	1.4	2
13	Local estimates in Monte Carlo method for the ocean-atmosphere system with a random interface. *Russian Journal of Numerical Analysis and Mathematical Modelling*, **1994**, 9,	1.4	2
12	A new Monte Carlo method for estimation of time asymptotic parameters of polarized radiation. *Mathematics and Computers in Simulation*, **2019**, 161, 84-92	3.3	1
11	Convergence of Monte Carlo algorithms for reconstructing the scattering phase function with polarization. *Numerical Analysis and Applications*, **2011**, 4, 81-92	0.6	1
10	Monte Carlo algorithms for reconstruction of the scattering indicatrix adjusted for polarization. *Russian Journal of Numerical Analysis and Mathematical Modelling*, **2009**, 24,	1.4	1
9	A study of the asymptotic behavior of the intensity of a polarized radiation by the Monte Carlo method. *Doklady Mathematics*, **2007**, 75, 431-435	0.7	1
8	Non-stationary transport of neutral atoms in the Heliosphere. *COSPAR Colloquia Series*, **2001**, 121-124		1
7	On the evaluation of spatial-angular distributions of polarization characteristics of scattered radiation. *Statistical Papers*, **2018**, 59, 1541-1557	1	1

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6	Two-dimensional projection Monte Carlo estimators for the study of angular characteristics of polarized radiation. *Russian Journal of Numerical Analysis and Mathematical Modelling*, **2018**, 33, 187-197[1.4]	0
5	Monte Carlo algorithms for reconstructing the scattering phase function with allowance for polarization. *Doklady Mathematics*, **2008**, 78, 839-842	0.7
4	A new kernel-projective statistical estimator in the Monte Carlo method. *Russian Journal of Numerical Analysis and Mathematical Modelling*, **2020**, 35, 341-353	1.4
3	Mathematical Problems of Statistical Simulation of the Polarized Radiation Transfer. *Springer Proceedings in Mathematics and Statistics*, **2014**, 383-391	0.2
2	New Statistical Kernel-Projection Estimator in the Monte Carlo Method. *Doklady Mathematics*, **2020**, 102, 313-317	0.7
1	New Monte Carlo Algorithm for Evaluation of Outgoing Polarized Radiation. *Springer Proceedings in Mathematics and Statistics*, **2018**, 115-125	0.2