Nikolai N Rogovtsov

List of Publications by Year
in descending order

22 papers	59 citations	1937685 4 h-index	1872680 6 g-index
22 all docs	22 docs citations	22 times ranked	8 citing authors

#	Article	IF	Citations
1	Application of general invariance relations reduction method to solution of radiation transfer problems. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 183, 128-153.	2.3	10
2	Constructive theory of scalar characteristic equations of the theory of radiation transport: II. algorithms for finding solutions and their analytic representations. Differential Equations, 2015, 51, 661-673.	0.7	3
3	Constructive theory of scalar characteristic equations of the theory of radiation transport: I. Basic assertions of the theory and conditions for the applicability of the truncation method. Differential Equations, 2015, 51, 268-281.	0.7	4
4	General invariance relations reduction method and its applications to solutions of radiative transfer problems for turbid media of various configurations. , 2010, , 249-327.		6
5	The characteristic equation of radiative transfer theory. , 2009, , 347-429.		5
6	Relationship between solutions of families of two-point boundary value problems and Cauchy problems. Differential Equations, 2008, 44, 1249-1268.	0.7	4
7	Some asymptotic expressions for the radiation fields in plane homogeneous media containing point sources. Astrophysics, 1989, 29, 781-787.	0.5	2
8	Radiational excitation of multilevel system in laser field. Journal of Applied Spectroscopy, 1989, 50, 373-377.	0.7	0
9	Radiation transfer in an optically thick sphere. Journal of Applied Spectroscopy, 1986, 44, 415-419.	0.7	2
10	Asymptotic expressions for the internal radiation fields in plane-parallel media and applications to the calculation of mean emission durations of a layer and spherical shell. Astrofizika, 1986, 23, 468-476.	0.0	3
11	A general way of solving for radiation transport for objects of any configuration. Journal of Applied Spectroscopy, 1985, 43, 813-816.	0.7	4
12	Radiation transfer in canonical absorbing and scattering media. Journal of Applied Spectroscopy, 1985, 42, 581-584.	0.7	2
13	Some applications of the general principle of invariance in the theory of radiation transfer. Journal of Applied Spectroscopy, 1981, 35, 1354-1358.	0.7	3
14	Partial invariant determination and the relation between the radiation fields within a scattering volume and at the boundaries. Journal of Applied Spectroscopy, 1981, 34, 241-246.	0.7	4
15	Multiple scattering of light in a nonuniform plane-parallel medium. Journal of Applied Spectroscopy, 1977, 27, 1058-1062.	0.7	0
16	Second Workshop on the Propagation of Optical Radiation in Media. Journal of Applied Spectroscopy, 1977, 27, 1228-1229.	0.7	0
17	Search for the source function inside a plane-parallel scattering layer from the intensity of emerging radiation. Journal of Applied Spectroscopy, 1976, 25, 1164-1169.	0.7	4
18	Nonstationary radiation transfer in scattering media. Astrophysics, 1976, 11, 293-302.	0.5	2

#	Article	IF	Citations
19	Radiation transfer in an inhomogeneous scattering layer. Journal of Applied Spectroscopy, 1975, 22, 678-683.	0.7	1
20	Application of integral relations to the calculation of the characteristics of the radiation field in scattering media. Journal of Applied Spectroscopy, 1975, 22, 827-832.	0.7	0
21	Determination of the spatial moments of the source function in plane-parallel and spherically symmetric scattering media. Journal of Applied Spectroscopy, 1974, 21, 1234-1238.	0.7	0
22	Unsteady resonance radiation in an inhomogeneous medium. Journal of Applied Spectroscopy, 1973, 19, 1633-1639.	0.7	0