

# Nikolai N Rogovtsov

## List of Publications by Year in descending order

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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	General invariance relations reduction method and its applications to solutions of radiative transfer problems for turbid media of various configurations. , 2010, , 249-327.		6
3	The characteristic equation of radiative transfer theory. , 2009, , 347-429.		5
4	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
5	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
6	A general way of solving for radiation transport for objects of any configuration. Journal of Applied Spectroscopy, 1985, 43, 813-816.	0.7	4
7	Relationship between solutions of families of two-point boundary value problems and Cauchy problems. Differential Equations, 2008, 44, 1249-1268.	0.7	4
8	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
9	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
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	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
12	Nonstationary radiation transfer in scattering media. Astrophysics, 1976, 11, 293-302.	0.5	2
13	Radiation transfer in canonical absorbing and scattering media. Journal of Applied Spectroscopy, 1985, 42, 581-584.	0.7	2
14	Radiation transfer in an optically thick sphere. Journal of Applied Spectroscopy, 1986, 44, 415-419.	0.7	2
15	Some asymptotic expressions for the radiation fields in plane homogeneous media containing point sources. Astrophysics, 1989, 29, 781-787.	0.5	2
16	Radiation transfer in an inhomogeneous scattering layer. Journal of Applied Spectroscopy, 1975, 22, 678-683.	0.7	1
17	Unsteady resonance radiation in an inhomogeneous medium. Journal of Applied Spectroscopy, 1973, 19, 1633-1639.	0.7	0
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Multiple scattering of light in a nonuniform plane-parallel medium. Journal of Applied Spectroscopy, 1977, 27, 1058-1062.	0.7	0
21	Second Workshop on the Propagation of Optical Radiation in Media. Journal of Applied Spectroscopy, 1977, 27, 1228-1229.	0.7	0
22	Radiational excitation of multilevel system in laser field. Journal of Applied Spectroscopy, 1989, 50, 373-377.	0.7	0