Vladimir P Solovjov

List of Publications by Year
in descending order

24	722	623734	713466
papers	citations	14 h-index	21 g-index

24	24	24	150
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The choice of optimal absorption coefficient in the Rank-Correlated SLW model for prediction of radiative transfer in high temperature gases. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 277, 107983.	2.3	3
2	Effect of ground-based environmental conditions on the level of dangerous ultraviolet solar radiation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 279, 108048.	2.3	3
3	The Ï‰-absorption line distribution function for rank correlated SLW model prediction of radiative transfer in non-uniform gases. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 280, 108081.	2.3	3
4	Locally correlated SLW model for prediction of gas radiation in non-uniform media and its relationship to other global methods. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 245, 106857.	2.3	13
5	The spectral line weighted-sum-of-gray-gases (SLW) model for prediction of radiative transfer in molecular gases. Advances in Heat Transfer, 2019, , 207-298.	0.9	24
6	The rank correlated FSK model for prediction of gas radiation in non-uniform media, and its relationship to the rank correlated SLW model. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 214, 120-132.	2.3	38
7	The Scaled SLW model of gas radiation in non-uniform media based on Planck-weighted moments of gas absorption cross-section. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 206, 198-212.	2.3	13
8	Radiative Properties of Gases. , 2018, , 1069-1141.		6
9	An exploration of the influence of spectral model parameters on the accuracy of the rank correlated SLW model. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 218, 161-170.	2.3	15
10	The rank correlated SLW model of gas radiation in non-uniform media. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 197, 26-44.	2.3	57
11	Radiative Properties of Gases. , 2017, , 1-74.		1
12	The Generalized SLW Model. Journal of Physics: Conference Series, 2016, 676, 012022.	0.4	13
13	Temperature Measurement Using Infrared Spectral Band Emissions From H2O. Journal of Energy Resources Technology, Transactions of the ASME, 2016, 138, .	2.3	11
14	Efficient representation of the absorption line blackbody distribution function for H2O, CO2, and CO at variable temperature, mole fraction, and total pressure. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 138, 82-96.	2.3	91
15	Effect of total pressure on the absorption line blackbody distribution function and radiative transfer in H2O, CO2, and CO. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 143, 100-110.	2.3	35
16	SLW-1 Modeling of Radiative Heat Transfer in Nonisothermal Nonhomogeneous Gas Mixtures With Soot. Journal of Heat Transfer, 2011, 133, .	2.1	18
17	The SLW-1 model for efficient prediction of radiative transfer in high temperature gases. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 1205-1212.	2.3	35
18	Attenuation of solar radiation by a water mist from the ultraviolet to the infrared range. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 1182-1190.	2.3	38

#	ARTICLE	IF	CITATIONS
19	Multilayer modeling of radiative transfer by SLW and CW methods in non-isothermal gaseous medium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 245-257.	2.3	35
20	The cumulative wavenumber method for modeling radiative transfer in gas mixtures with soot. Journal of Quantitative Spectroscopy and Radiative Transfer, 2005, 93, 273-287.	2.3	25
21	A local-spectrum correlated model for radiative transfer in non-uniform gas media. Journal of Quantitative Spectroscopy and Radiative Transfer, 2002, 73, 361-373.	2.3	38
22	An Efficient Method for Modeling Radiative Transfer in Multicomponent Gas Mixtures With Soot. Journal of Heat Transfer, 2001, 123, 450-457.	2.1	79
23	SLW modeling of radiative transfer in multicomponent gas mixtures. Journal of Quantitative Spectroscopy and Radiative Transfer, 2000, 65, 655-672.	2.3	121
24	RADIATIVE TRANSFER MODEL PARAMETERS FOR CARBON MONOXIDE AT HIGH TEMPERATURE. , 1998, , .		7