Danila E Kashirskii

List of Publications by Year
in descending order

30 papers	80 citations	1478505 6 h-index	1588992 8 g-index
30 all docs	30 docs citations	30 times ranked	32 citing authors

#	Article	IF	Citations
1	Simultaneous determining the temperature and partial pressures of four gases in the high-temperature gaseous mixture. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 235, 49-59.	2.3	0
2	Approximation of Inverse Models for Temperature-Concentration Dependences of the Transmission Function of a Single-Component Homogeneous Gas Medium by Artificial Neural Networks. Russian Physics Journal, 2019, 61, 2065-2072.	0.4	2
3	Analysis of spectroscopic information for detecting methane emissions on local paths using CO and He â€“ Ne lasers. Quantum Electronics, 2019, 49, 881-886.	1.0	0
4	Determining temperature and partial pressures of the components of the high-temperature gaseous mixture. , 2019, , .		0
5	Determining partial pressure and temperature of gas using artificial neural networks. , 2019, , .		0
6	Criteria for selection of laser wavelengths for remote analysis of gas media. , 2018, , .		0
7	Analysis of Reliability of Spectral Water Vapor Line Parameters at High Temperatures in Spectroscopic Databases. Russian Physics Journal, 2017, 60, 261-272.	0.4	3
8	Application of the Method of Approximating Polynomials for the Determination of the Temperature and Concentration of Hot Carbon Dioxide from Its Transmission Spectrum. Russian Physics Journal, 2017, 60, 749-757.	0.4	3
9	Accuracy improvement of determining temperature and concentrations of gases by the approximation polynomials method on the example of high-temperature CO2. , 2017, , .		0
10	The temperature dependences of the integrated intensities of the absorption bands of H2O, H2S, SO2, and NO2. , 2017, , .		0
11	Transmission of radiant energy by gas-aerosol medium containing methane. , 2017, , .		0
12	Calculating 14N16O2 spectral line parameters in an infrared range: A comparison of â€œglobalâ€•and â€œlocalâ€•effective operator methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 165, 47-53.	3.9	6
13	Modeling absorption spectra for detection of the combustion products of jet engines by laser remote sensing. Applied Optics, 2016, 55, 3814.	2.1	13
14	A validation of spectral line parameters of hydrogen sulfide. , 2016, , .		1
15	A determination of dipole moment function parameters of sulfur dioxide. , 2016, , .		1
16	An effect of uncertainties of input data on determining the thermodynamic parameters of high-temperature carbon dioxide by a polynomial approximation method. Proceedings of SPIE, 2016, , .	0.8	0
17	Modeling diagnostics of trioxide dialuminum content in gas-aerosol medium. Proceedings of SPIE, 2016, , .	0.8	1
18	Optical characteristics of aerosol trioxide dialuminum at the IR wavelength range. , 2015, , .		0

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19	High-temperature spectral dependences of¹⁴N¹⁶O₂in the range of pure rotational and vibrational-rotational transitions. Proceedings of SPIE, 2015, , .	0.8	1
20	Calculation of the water vapor line intensities for rotational transitions between high-excited energy levels. Proceedings of SPIE, 2015, , .	0.8	0
21	Development of an Internet accessible software: optics and spectroscopy of gas-aerosol media. , 2015, , .		0
22	Numerical simulation of infrared radiation absorption for diagnostics of gas-aerosol medium by remote sensing data. Proceedings of SPIE, 2015, , .	0.8	1
23	Optical-physical methods of remote diagnostics of high-temperature gas media. Proceedings of SPIE, 2014, , .	0.8	8
24	Criterion of the need to consider the cooperative effect of the molecular absorption and aerosol scattering on calculations of IR transmission function. Proceedings of SPIE, 2014, , .	0.8	3
25	The optical method for determining the thermodynamic parameters of hot gases. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 147, 38-46.	2.3	9
26	Spectroscopic support of laser remote sensing of the sulfur dioxide gas in the jet of engine exhaust gases. Russian Physics Journal, 2013, 56, 473-482.	0.4	8
27	Methodology of Laser Detection of Engine Exhaust Gases. Russian Physics Journal, 2013, 56, 657-666.	0.4	3
28	Determination of spectral width of laser lines in the IR range using the absorption spectroscopy method. Quantum Electronics, 2012, 42, 634-639.	1.0	6
29	Determination of dunham coefficients and calculation of the energies of highly excited vibrational-rotational levels of the carbon monoxide molecule in the electronic ground state. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.4	4
30	Modelling the determination of the thermodynamic parameters of a high-temperature gaseous volume by a passive remote method. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2010, 77, 554.	0.4	7