

Eugene V Stepanov

List of Publications by Year in descending order

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29
papers

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2917675

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29
docs citations

29
times ranked

18
citing authors

#	ARTICLE	IF	CITATIONS
1	System of Metabolic Gases Transportation: Simulation and Parameters Estimation by Noninvasive Technique. IFMBE Proceedings, 2010, , 1587-1590.	0.3	1
2	A method of monitoring biological effect of radiation exposure by excretion of endogenous carbon monoxide in expired gas. , 2009, , .		1
3	<title>PIR-fiber spectroscopy with FTIR and TDL spectrometers in the middle infrared range of spectra</title>. , 2000, , .		1
4	Single-breath NO detection with tunable diode lasers for pulmonary disease diagnosis. , 1999, 3829, 103.		5
5	Endogenous CO monitoring in exhalation with tunable diode lasers: applications to clinical and biomedical diagnostics. , 1999, 3829, 77.		3
6	$^{13}\text{CO}_2 / ^{12}\text{CO}_2$ ratio analysis in exhaled air by lead-salt tunable diode lasers for noninvasive diagnostics in gastroenterology. , 1999, 3829, 68.		3
7	<title>Monitoring of rapid blood pH variations by CO detection in breath with tunable diode laser</title>. , 1997, , .		1
8	Applications of tunable diode laser spectroscopy for the detection of exhaled endogenous gases: CO, NH ₃ , CH ₄ , N ₂ O, and CO ₂ . , 1996, , .		1
9	<title>Monitoring of endogenous carbon monoxide dynamics in human breath by tunable diode laser</title>. , 1996, , .		0
10	<title>Endogenous CO dynamics monitoring in breath by tunable diode laser</title>. , 1996, 2682, 247.		2
11	<title>Multicomponent gas analyzers based on tunable diode lasers</title>. , 1996, , .		0
12	Multicomponent gas analyzers based on tunable diode lasers. , 1996, , .		2
13	<title>Detection of small trace molecules in human and animal exhalation by tunable diode lasers</title>. , 1995, 2503, 101.		0
14	<title>Multicomponent fiber optic gas sensor based on MIR tunable diode lasers</title>. , 1995, 2508, 224.		1
15	Tunable diode lasers application for fully automated absolute measurements of CO and CO ₂ concentrations in human breath. , 1994, 2205, 440.		0
16	Tunable diode laser spectroscopy application for ammonia and methane content measurements in human breath. , 1994, , .		3
17	Gas analysis of human exhalation by tunable diode laser spectroscopy. Optical Engineering, 1993, 32, 361.	1.0	13
18	<title>Diode-laser-based spectroscopy in atmospheric monitoring in Karadag National Park</title>. , 1993, , .		1

#	ARTICLE	IF	CITATIONS
19	Middle-infrared fiber optic accessories for molecular spectroscopy and gas analysis with tunable diode lasers. , 1992, 1811, 395.		1
20	Tunable diode laser spectroscopy accessories based on middle IR halide and chalcogenide fibers. , 1992, 1724, 104.		2
21	Spectral gas analysis of polyatomic molecules by tunable diode lasers. , 1992, 1724, 238.		2
22	Diode-laser-based open-path analyzer of carbon monoxide concentration in atmosphere. , 1992, 1724, 251.		0
23	Investigation of collisional broadening in the spectra of polyatomic molecules by diode laser spectroscopy techniques. , 1992, , .		0
24	Tunable diode laser spectroscopy for carbon oxides (CO and CO 2) detection in exhaled air. , 1992, , .		0
25	Human expiration content diagnostics by tunable diode lasers in middle infrared. , 1992, , .		1
26	<title>IR fiber system for remote spectroscopy and noncontact control of IR radiation</title>. , 1992, , .		1
27	<title>Application of tunable diode lasers in control of high-pure-material technologies</title>. , 1991, 1418, 487.		0
28	<title>High-sensitivity sensor of gases based on IR tunable diode lasers for human exhalation monitoring</title>. , 1991, 1426, 121.		0
29	Diode laser spectroscopy of atmospheric pollutants. , 1991, 1433, 202.		1