Tomas Svensson

List of Publications by Year in descending order

29 papers	1,303 citations	331670 21 h-index	552781 26 g-index
30 all docs	30 docs citations	30 times ranked	986 citing authors

#	Article	IF	Citations
1	Path length enhancement in disordered media for increased absorption. Optics Express, 2015, 23, A1472.	3.4	27
2	Light diffusion in quenched disorder: Role of step correlations. Physical Review E, 2014, 89, 022141.	2.1	16
3	Holey random walks: Optics of heterogeneous turbid composites. Physical Review E, 2013, 87, 022120.	2.1	24
4	Method for Studying Gas Composition in the Human Mastoid Cavity by Use of Laser Spectroscopy. Annals of Otology, Rhinology and Laryngology, 2012, 121, 217-223.	1.1	17
5	Single-fiber diffuse optical time-of-flight spectroscopy. Optics Letters, 2012, 37, 2877.	3.3	36
6	Observation of anisotropic diffusion of light in compacted granular porous materials. Physical Review E, 2012, 85, 040301.	2.1	12
7	Disordered, Strongly Scattering Porous Materials as Miniature Multipass Gas Cells. Physical Review Letters, 2011, 107, 143901.	7.8	71
8	Wall-collision line broadening of molecular oxygen within nanoporous materials. Physical Review A, 2011, 84, .	2.5	25
9	Laser absorption spectroscopy of water vapor confined in nanoporous alumina: wall collision line broadening and gas diffusion dynamics. Optics Express, 2010, 18, 16460.	3.4	59
10	Optical porosimetry and investigations of the porosity experienced by light interacting with porous media. Optics Letters, 2010, 35, 1740.	3.3	27
11	Laser spectroscopy of gas confined in nanoporous materials. Applied Physics Letters, 2010, 96, .	3.3	61
12	Wall-collision broadening of Gas absorption lines in nanoporous materials. , 2010, , .		0
13	Diagnostics of human gas cavities with diode laser absorption spectroscopy. , 2010, , .		0
14	Near-infrared photon time-of-flight spectroscopy of turbid materials up to 1400 nm. Review of Scientific Instruments, 2009, 80, 063105.	1.3	37
15	Clinical system for non-invasive in situ monitoring of gases in the human paranasal sinuses. Optics Express, 2009, 17, 10849.	3.4	36
16	Towards accurate in vivo spectroscopy of the human prostate. Journal of Biophotonics, 2008, 1, 200-203.	2.3	32
17	White Monte Carlo for time-resolved photon migration. Journal of Biomedical Optics, 2008, 13, 041304.	2.6	92
18	Parallel computing with graphics processing units for high-speed Monte Carlo simulation of photon migration. Journal of Biomedical Optics, 2008, 13, 060504.	2.6	327

#	Article	IF	Citations
19	High sensitivity gas spectroscopy of porous, highly scattering solids. Optics Letters, 2008, 33, 80.	3.3	27
20	Improved accuracy in time-resolved diffuse reflectance spectroscopy. Optics Express, 2008, 16, 10440.	3.4	48
21	Flexible lock-in detection system based on synchronized computer plug-in boards applied in sensitive diode-laser gas spectroscopy. , 2007, , .		3
22	Time-of-flight laser spectroscopy in biomedical diagnostics. , 2007, , .		0
23	Noninvasive Characterization of Pharmaceutical Solids by Diode Laser Oxygen Spectroscopy. Applied Spectroscopy, 2007, 61, 784-786.	2.2	33
24	In vivo optical characterization of human prostate tissue using near-infrared time-resolved spectroscopy. Journal of Biomedical Optics, 2007, 12, 014022.	2.6	101
25	Flexible lock-in detection system based on synchronized computer plug-in boards applied in sensitive gas spectroscopy. Review of Scientific Instruments, 2007, 78, 113107.	1.3	37
26	Characterization of normal breast tissue heterogeneity using time-resolved near-infrared spectroscopy. Physics in Medicine and Biology, 2005, 50, 2559-2571.	3.0	54
27	Least-squares support vector machines modelization for time-resolved spectroscopy. Applied Optics, 2005, 44, 7091.	2.1	16
28	Scatter Correction of Transmission Near-Infrared Spectra by Photon Migration Data: Quantitative Analysis of Solids. Applied Spectroscopy, 2005, 59, 1381-1387.	2.2	30
29	Time and wavelength resolved spectroscopy of turbid media using light continuum generated in a crystal fiber. Optics Express, 2004, 12, 4103.	3.4	53