Narahara Chari Dingari

List of Publications by Year
in descending order

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23	1,236	361413 20	642732 23
papers	citations	h-index	g-index

24	24	24	1675
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Raman Spectroscopy Provides a Powerful Diagnostic Tool for Accurate Determination of Albumin Glycation. PLoS ONE, 2012, 7, e32406.	2.5	141
2	Raman Spectroscopy-Based Sensitive and Specific Detection of Glycated Hemoglobin. Analytical Chemistry, 2012, 84, 2474-2482.	6.5	118
3	Incorporation of Support Vector Machines in the LIBS Toolbox for Sensitive and Robust Classification Amidst Unexpected Sample and System Variability. Analytical Chemistry, 2012, 84, 2686-2694.	6.5	116
4	Laser-induced breakdown spectroscopy-based investigation and classification of pharmaceutical tablets using multivariate chemometric analysis. Talanta, 2011, 87, 53-59.	5.5	112
5	Application of Raman Spectroscopy to Identify Microcalcifications and Underlying Breast Lesions at Stereotactic Core Needle Biopsy. Cancer Research, 2013, 73, 3206-3215.	0.9	82
6	Development of Robust Calibration Models Using Support Vector Machines for Spectroscopic Monitoring of Blood Glucose. Analytical Chemistry, 2010, 82, 9719-9726.	6.5	76
7	Investigation of the specificity of Raman spectroscopy in non-invasive blood glucose measurements. Analytical and Bioanalytical Chemistry, 2011, 400, 2871-2880.	3.7	69
8	Portable Optical Fiber Probe-Based Spectroscopic Scanner for Rapid Cancer Diagnosis: A New Tool for Intraoperative Margin Assessment. PLoS ONE, 2012, 7, e30887.	2.5	52
9	Selective sampling using confocal Raman spectroscopy provides enhanced specificity for urinary bladder cancer diagnosis. Analytical and Bioanalytical Chemistry, 2012, 404, 3091-3099.	3.7	50
10	Investigation of Noise-Induced Instabilities in Quantitative Biological Spectroscopy and Its Implications for Noninvasive Glucose Monitoring. Analytical Chemistry, 2012, 84, 8149-8156.	6.5	44
11	Emerging trends in optical sensing of glycemic markers for diabetes monitoring. TrAC - Trends in Analytical Chemistry, 2015, 64, 100-108.	11.4	44
12	Diagnostic power of diffuse reflectance spectroscopy for targeted detection of breast lesions with microcalcifications. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 471-476.	7.1	43
13	Wavelength selection-based nonlinear calibration for transcutaneous blood glucose sensing using Raman spectroscopy. Journal of Biomedical Optics, 2011, 16, 087009.	2.6	42
14	Spectroscopic approach for dynamic bioanalyte tracking with minimal concentration information. Scientific Reports, 2014, 4, 7013.	3.3	38
15	A novel non-imaging optics based Raman spectroscopy device for transdermal blood analyte measurement. AIP Advances, 2011, 1, 32175.	1.3	34
16	Rapid and accurate determination of tissue optical properties using least-squares support vector machines. Biomedical Optics Express, 2011, 2, 592.	2.9	33
17	Development and comparative assessment of Raman spectroscopic classification algorithms for lesion discrimination in stereotactic breast biopsies with microcalcifications. Journal of Biophotonics, 2013, 6, 371-381.	2.3	31
18	Anatomy of noise in quantitative biological Raman spectroscopy. Bioanalysis, 2014, 6, 411-421.	1.5	26

#	Article	IF	Citations
19	Raman spectroscopy provides a powerful, rapid diagnostic tool for the detection of tuberculous meningitis in ex vivo cerebrospinal fluid samples. Journal of Biophotonics, 2013, 6, 567-572.	2.3	25
20	Label-free route to rapid, nanoscale characterization of cellular structure and dynamics through opaque media. Scientific Reports, 2013, 3, 2822.	3.3	22
21	Precision of Raman Spectroscopy Measurements in Detection of Microcalcifications in Breast Needle Biopsies. Analytical Chemistry, 2012, 84, 6715-6722.	6.5	16
22	Non-Gated Laser Induced Breakdown Spectroscopy Provides a Powerful Segmentation Tool on Concomitant Treatment of Characteristic and Continuum Emission. PLoS ONE, 2014, 9, e103546.	2.5	16
23	A facile and real-time spectroscopic method for biofluid analysis in point-of-care diagnostics. Bioanalysis, 2013, 5, 1853-1861.	1.5	6