

Surya P Singh

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

983
citations

471509

17
h-index

454955

30
g-index

54
all docs

54
docs citations

54
times ranked

1348
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth Kinetics Monitoring of Gram-Negative Pathogenic Microbes Using Raman Spectroscopy. Applied Spectroscopy, 2022, 76, 1263-1271.	2.2	3
2	Irradiation Induced Biochemical Changes in Human Mandibular Bone: A Raman Spectroscopic Study. Applied Spectroscopy, 2022, 76, 1165-1173.	2.2	1
3	Gene Expression and Characterization of Iturin A Lipopeptide Biosurfactant from Bacillus aryabhatai for Enhanced Oil Recovery. Gels, 2022, 8, 403.	4.5	5
4	Risk prediction by Raman spectroscopy for disease-free survival in oral cancers. Lasers in Medical Science, 2021, 36, 1691-1700.	2.1	1
5	Shortwave infrared otoscopy for diagnosis of middle ear effusions: a machine-learning-based approach. Scientific Reports, 2021, 11, 12509.	3.3	10
6	Cigarette smoke-induced changes in the murine vocal folds: a Raman spectroscopic observation. Analyst, The, 2020, 145, 7709-7717.	3.5	5
7	Short-Wave Infrared Fluorescence Chemical Sensor for Detection of Otitis Media. ACS Sensors, 2020, 5, 3411-3419.	7.8	13
8	Sublingual indocyanine green films for non-invasive swallowing assessment and inflammation detection through NIR/SWIR optical imaging. Scientific Reports, 2020, 10, 14003.	3.3	6
9	Direct observation of glucose fingerprint using in vivo Raman spectroscopy. Science Advances, 2020, 6, eaay5206.	10.3	106
10	Spectrochemical Probing of MicroRNA Duplex Using Spontaneous Raman Spectroscopy for Biosensing Applications. Analytical Chemistry, 2020, 92, 14423-14431.	6.5	1
11	Biochemical Changes in Irradiated Oral Mucosa: A FTIR Spectroscopic Study. Biosensors, 2019, 9, 12.	4.7	3
12	Identification of early inflammatory changes in the tympanic membrane with Raman spectroscopy. Analyst, The, 2019, 144, 6721-6728.	3.5	10
13	Early findings of SWIR otoscope in a pediatric population (Conference Presentation). , 2019, , .		0
14	Identification of inflammatory markers in chronic rhinosinusitis using Raman spectroscopy (Conference Presentation). , 2019, , .		0
15	Label-free spectrochemical probe for determination of hemoglobin glycation in clinical blood samples. Journal of Biophotonics, 2018, 11, e201700397.	2.3	7
16	Potential role of nuclear magnetic resonance spectroscopy to identify salivary metabolite alterations in patients with head and neck cancer. Oncology Letters, 2018, 16, 6795-6800.	1.8	34
17	<i>In vivo</i> detection of drug-induced apoptosis in tumors using Raman spectroscopy. Analyst, The, 2018, 143, 4836-4839.	3.5	11
18	Evaluation of accuracy dependence of Raman spectroscopic models on the ratio of calibration and validation points for non-invasive glucose sensing. Analytical and Bioanalytical Chemistry, 2018, 410, 6469-6475.	3.7	25

#	ARTICLE	IF	CITATIONS
19	Label free assessment of ultra-violet radiation induced damages in skin cells (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50		
20	Identification of morphological and biochemical changes in keratin α 8/ α 18 knockdown cells using Raman spectroscopy. Journal of Biophotonics, 2017, 10, 1377-1384.	2.3	7
21	Development of a classification model for non-alcoholic steatohepatitis (NASH) using confocal Raman microspectroscopy. Journal of Biophotonics, 2017, 10, 1703-1713.	2.3	12
22	Objective identification of dental abnormalities with multispectral fluorescence imaging. Journal of Biophotonics, 2017, 10, 1279-1286.	2.3	12
23	Label-free characterization of ultra violet-radiation-induced changes in skin fibroblasts with Raman spectroscopy and quantitative phase microscopy. Scientific Reports, 2017, 7, 10829.	3.3	15
24	In vivo Raman spectroscopy-assisted early identification of potential second primary/recurrences in oral cancers: An exploratory study. Head and Neck, 2017, 39, 2216-2223.	2.0	32
25	A classification model for non-alcoholic steatohepatitis (NASH) using confocal Raman micro-spectroscopy. , 2017, , .		0
26	Oral mucosal epithelial cells express the membrane anchored mucin MUC1. Archives of Oral Biology, 2017, 73, 269-273.	1.8	21
27	Investigating Effects of Proteasome Inhibitor on Multiple Myeloma Cells Using Confocal Raman Microscopy. Sensors, 2016, 16, 2133.	3.8	19
28	Salivary metabolomics in the diagnosis of oral cancer and periodontal diseases. Journal of Periodontal Research, 2016, 51, 431-437.	2.7	79
29	Recent advances in optical diagnosis of oral cancers: Review and future perspectives. Head and Neck, 2016, 38, E2403-11.	2.0	33
30	Microplicae - Specialized Surface Structure of Epithelial Cells of Wet-Surfaced Oral Mucosa. Ultrastructural Pathology, 2015, 39, 299-305.	0.9	16
31	Changes in the microenvironment of invading melanoma and carcinoma cells identified by FTIR imaging. Vibrational Spectroscopy, 2015, 79, 24-30.	2.2	13
32	Investigating the effects of Pentoxifylline on human breast cancer cells using Raman spectroscopy. Journal of Innovative Optical Health Sciences, 2015, 08, 1550004.	1.0	12
33	Raman spectroscopy of oral tissues: correlation of spectral and biochemical markers. , 2014, , .		1
34	Raman mapping of oral buccal mucosa: a spectral histopathology approach. Journal of Biomedical Optics, 2014, 19, 126005.	2.6	17
35	Raman spectroscopic studies of oral cancers: correlation of spectral and biochemical markers. Analytical Methods, 2014, 6, 8613-8620.	2.7	19
36	Turbo methanol extract inhibits bone resorption through regulation of T cell function. Bone, 2014, 58, 114-125.	2.9	9

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37	In vivo Raman spectroscopy of oral buccal mucosa: a study on malignancy associated changes (MAC)/cancer field effects (CFE). <i>Analyst</i> , The, 2013, 138, 4175.	3.5	85
38	Raman Spectroscopy of Oral Buccal Mucosa: A Study on Age-Related Physiological Changes and Tobacco-Related Pathological Changes. <i>Technology in Cancer Research and Treatment</i> , 2012, 11, 529-541.	1.9	39
39	Optical, Spectroscopic, and Doppler Evaluation of "Normal" and "Abnormal" Reflexology Areas in Lumbar Vertebral Pathology: A Case Study. <i>Case Reports in Medicine</i> , 2012, 2012, 1-9.	0.7	3
40	In vivo Raman spectroscopy for oral cancers diagnosis. <i>Proceedings of SPIE</i> , 2012, , .	0.8	14
41	Raman spectroscopic study of keratin 8 knockdown oral squamous cell carcinoma derived cells. <i>Proceedings of SPIE</i> , 2012, , .	0.8	3
42	<i>In vivo</i> Raman spectroscopic identification of premalignant lesions in oral buccal mucosa. <i>Journal of Biomedical Optics</i> , 2012, 17, 1050021.	2.6	103
43	Raman spectroscopy in head and neck cancers: Toward oncological applications. <i>Journal of Cancer Research and Therapeutics</i> , 2012, 8, 126.	0.9	20
44	Raman spectroscopy of normal oral buccal mucosa tissues: study on intact and incised biopsies. <i>Journal of Biomedical Optics</i> , 2011, 16, 127004.	2.6	37
45	Comparative evaluation of spectroscopic models using different multivariate statistical tools in a multicancer scenario. <i>Journal of Biomedical Optics</i> , 2011, 16, 025003.	2.6	53
46	How specific Raman spectroscopic models are: a comparative study between different cancers. , 2010, , .		0
47	Single-phase shunt active filter for customer generated harmonics and reactive power compensation. , 2010, , .		3
48	EFFECTS OF SOIL LAYERING ON THE CHARACTERISTICS OF BASIN-EDGE INDUCED SURFACE WAVES AND DIFFERENTIAL GROUND MOTION. <i>Journal of Earthquake Engineering</i> , 2006, 10, 595-614.	2.5	18
49	Use of Pulsed-Field Gel Electrophoresis for Molecular Epidemiologic and Population Genetic Studies of <i>Mycobacterium tuberculosis</i> . <i>Journal of Clinical Microbiology</i> , 1999, 37, 1927-1931.	3.9	26
50	Synthesis of 10-(substituted phenylhydrazonoacetyl)phenothiazines as possible anticonvulsants. <i>Journal of Heterocyclic Chemistry</i> , 1978, 15, 175-176.	2.6	4
51	Synthesis of 1-(N-acetyl piperidino)-4-aryl semicarbazides as possible anticonvulsants. <i>Journal of Heterocyclic Chemistry</i> , 1978, 15, 681-682.	2.6	5
52	Synthesis of 2-(substituted benzylidene)-6-(substituted nitrothiazolo[3,2-c]benzimidazole-3(2H)-ones as possible anticonvulsants. <i>Journal of Heterocyclic Chemistry</i> , 1977, 14, 1093-1095.	2.6	11