Surya P Singh

List of Publications by Year
in descending order

52	983	471509	454955
papers	citations	17	30
		h-index	g-index

54	54	54	1348
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct observation of glucose fingerprint using in vivo Raman spectroscopy. Science Advances, 2020, 6, eaay5206.	10.3	106
2	*In vivo* Raman spectroscopic identification of premalignant lesions in oral buccal mucosa. Journal of Biomedical Optics, 2012, 17, 1050021.	2.6	103
3	In vivo Raman spectroscopy of oral buccal mucosa: a study on malignancy associated changes (MAC)/cancer field effects (CFE). Analyst, The, 2013, 138, 4175.	3.5	85
4	Salivary metabolomics in the diagnosis of oral cancer and periodontal diseases. Journal of Periodontal Research, 2016, 51, 431-437.	2.7	79
5	Comparative evaluation of spectroscopic models using different multivariate statistical tools in a multicancer scenario. Journal of Biomedical Optics, 2011, 16, 025003.	2.6	53
6	Raman Spectroscopy of Oral Buccal Mucosa: A Study on Age-Related Physiological Changes and Tobacco-Related Pathological Changes. Technology in Cancer Research and Treatment, 2012, 11, 529-541.	1.9	39
7	Raman spectroscopy of normal oral buccal mucosa tissues: study on intact and incised biopsies. Journal of Biomedical Optics, 2011, 16, 127004.	2.6	37
8	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
9	Recent advances in optical diagnosis of oral cancers: Review and future perspectives. Head and Neck, 2016, 38, E2403-11.	2.0	33
10	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
11	Use of Pulsed-Field Gel Electrophoresis for Molecular Epidemiologic and Population Genetic Studies of *Mycobacterium tuberculosis*. Journal of Clinical Microbiology, 1999, 37, 1927-1931.	3.9	26
12	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
13	Oral mucosal epithelial cells express the membrane anchored mucin MUC1. Archives of Oral Biology, 2017, 73, 269-273.	1.8	21
14	Raman spectroscopy in head and neck cancers: Toward oncological applications. Journal of Cancer Research and Therapeutics, 2012, 8, 126.	0.9	20
15	Raman spectroscopic studies of oral cancers: correlation of spectral and biochemical markers. Analytical Methods, 2014, 6, 8613-8620.	2.7	19
16	Investigating Effects of Proteasome Inhibitor on Multiple Myeloma Cells Using Confocal Raman Microscopy. Sensors, 2016, 16, 2133.	3.8	19
17	EFFECTS OF SOIL LAYERING ON THE CHARACTERISTICS OF BASIN-EDGE INDUCED SURFACE WAVES AND DIFFERENTIAL GROUND MOTION. Journal of Earthquake Engineering, 2006, 10, 595-614.	2.5	18
18	Raman mapping of oral buccal mucosa: a spectral histopathology approach. Journal of Biomedical Optics, 2014, 19, 126005.	2.6	17

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19	Microplicae â€" Specialized Surface Structure of Epithelial Cells of Wet-Surfaced Oral Mucosa. Ultrastructural Pathology, 2015, 39, 299-305.	0.9	16
20	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
21	In vivo Raman spectroscopy for oral cancers diagnosis. Proceedings of SPIE, 2012, , .	0.8	14
22	Changes in the microenvironment of invading melanoma and carcinoma cells identified by FTIR imaging. Vibrational Spectroscopy, 2015, 79, 24-30.	2.2	13
23	Short-Wave Infrared Fluorescence Chemical Sensor for Detection of Otitis Media. ACS Sensors, 2020, 5, 3411-3419.	7.8	13
24	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
25	Development of a classification model for nonâ€alcoholic steatohepatitis (NASH) using confocal Raman microâ€spectroscopy. Journal of Biophotonics, 2017, 10, 1703-1713.	2.3	12
26	Objective identification of dental abnormalities with multispectral fluorescence imaging. Journal of Biophotonics, 2017, 10, 1279-1286.	2.3	12
27	Synthesis of 2â€substituted benzylideneâ€6â€bâ€nitrothiazolo[3,2â€Î±]benzimidazolâ€3(2<i>H</i>)ones as possible anticonvulsants. Journal of Heterocyclic Chemistry, 1977, 14, 1093-1095.	2.6	11
28	<i>In vivo</i> detection of drug-induced apoptosis in tumors using Raman spectroscopy. Analyst, The, 2018, 143, 4836-4839.	3.5	11
29	Identification of early inflammatory changes in the tympanic membrane with Raman spectroscopy. Analyst, The, 2019, 144, 6721-6728.	3.5	10
30	Shortwave infrared otoscopy for diagnosis of middle ear effusions: a machine-learning-based approach. Scientific Reports, 2021, 11, 12509.	3.3	10
31	Turbo methanol extract inhibits bone resorption through regulation of T cell function. Bone, 2014, 58, 114-125.	2.9	9
32	Identification of morphological and biochemical changes in keratinâ€8/18 knockâ€down cells using Raman spectroscopy. Journal of Biophotonics, 2017, 10, 1377-1384.	2.3	7
33	Labelâ€free spectrochemical probe for determination of hemoglobin glycation in clinical blood samples. Journal of Biophotonics, 2018, 11, e201700397.	2.3	7
34	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
35	Synthesis of l-(N-acelylpiperidino)-4-aryl semicarbazides as possible anticonvulsants. Journal of Heterocyclic Chemistry, 1978, 15, 681-682.	2.6	5
36	Cigarette smoke-induced changes in the murine vocal folds: a Raman spectroscopic observation. Analyst, The, 2020, 145, 7709-7717.	3.5	5

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37	Gene Expression and Characterization of Iturin A Lipopeptide Biosurfactant from Bacillus aryabhattai for Enhanced Oil Recovery. Gels, 2022, 8, 403.	4.5	5
38	Synthesis of 10â€(substituted phenylhydrazonoacetyl)phenothiazines as possible anticonvulsants. Journal of Heterocyclic Chemistry, 1978, 15, 175-176.	2.6	4
39	Single-phase shunt active filter for customer generated harmonics and reactive power compensation. , 2010, , .		3
40	Optical, Spectroscopic, and Doppler Evaluation of â€œNormalâ€•and â€œAbnormalâ€•Reflexology Areas in Lumbar Vertebral Pathology: A Case Study. Case Reports in Medicine, 2012, 2012, 1-9.	0.7	3
41	Raman spectroscopic study of keratin 8 knockdown oral squamous cell carcinoma derived cells. Proceedings of SPIE, 2012, , .	0.8	3
42	Biochemical Changes in Irradiated Oral Mucosa: A FTIR Spectroscopic Study. Biosensors, 2019, 9, 12.	4.7	3
43	Growth Kinetics Monitoring of Gram-Negative Pathogenic Microbes Using Raman Spectroscopy. Applied Spectroscopy, 2022, 76, 1263-1271.	2.2	3
44	Raman spectroscopy of oral tissues: correlation of spectral and biochemical markers. , 2014, , .		1
45	Risk prediction by Raman spectroscopy for disease-free survival in oral cancers. Lasers in Medical Science, 2021, 36, 1691-1700.	2.1	1
46	Spectrochemical Probing of MicroRNA Duplex Using Spontaneous Raman Spectroscopy for Biosensing Applications. Analytical Chemistry, 2020, 92, 14423-14431.	6.5	1
47	Irradiation Induced Biochemical Changes in Human Mandibular Bone: A Raman Spectroscopic Study. Applied Spectroscopy, 2022, 76, 1165-1173.	2.2	1
48	How specific Raman spectroscopic models are: a comparative study between different cancers. , 2010, , .		0
49	A classification model for non-alcoholic steatohepatitis (NASH) using confocal Raman micro-spectroscopy. , 2017, , .		0
50	Label free assessment of ultra-violet radiation induced damages in skin cells (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (		0
51	Early findings of SWIR otoscope in a pediatric population (Conference Presentation). , 2019, , .		0
52	Identification of inflammatory markers in chronic rhinosinusitis using Raman spectroscopy (Conference Presentation). , 2019, , .		0