Muhammad Saleem

List of Publications by Year
in descending order

63 papers	**1,223** citations	361296 **20** h-index	434063 **31** g-index
63 all docs	**63** docs citations	**63** times ranked	**929** citing authors

#	Article	IF	Citations
1	Analysis of hepatitis B virus infection in blood sera using Raman spectroscopy and machine learning. Photodiagnosis and Photodynamic Therapy, 2018, 23, 89-93.	1.3	88
2	Prediction of viral loads for diagnosis of Hepatitis C infection in human plasma samples using Raman spectroscopy coupled with partial least squares regression analysis. Journal of Raman Spectroscopy, 2017, 48, 697-704.	1.2	61
3	Raman spectral analysis for rapid screening of dengue infection. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 200, 136-142.	2.0	53
4	Validation of Fluorescence Spectroscopy to Detect Adulteration of Edible Oil in Extra Virgin Olive Oil (EVOO) by Applying Chemometrics. Applied Spectroscopy, 2018, 72, 1371-1379.	1.2	51
5	Optical diagnosis of dengue virus infection in human blood serum using Raman spectroscopy. Laser Physics Letters, 2013, 10, 035602.	0.6	49
6	Optical diagnosis of malaria infection in human plasma using Raman spectroscopy. Journal of Biomedical Optics, 2015, 20, 017002.	1.4	49
7	Laser isotope separation of lithium by two-step photoionization. Journal of Applied Physics, 2006, 100, 053111.	1.1	43
8	Diagnostics of cadmium plasma produced by laser ablation. Journal of Applied Physics, 2006, 100, 073102.	1.1	43
9	Identification of cow and buffalo milk based on Beta carotene and vitamin-A concentration using fluorescence spectroscopy. PLoS ONE, 2017, 12, e0178055.	1.1	39
10	Raman spectroscopic analysis of dengue virus infection in human blood sera. Optik, 2016, 127, 2086-2088.	1.4	33
11	Raman spectroscopy based differentiation of typhoid and dengue fever in infected human sera. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 206, 197-201.	2.0	33
12	Qualitative analysis of desi ghee, edible oils, and spreads using Raman spectroscopy. Journal of Raman Spectroscopy, 2016, 47, 706-711.	1.2	32
13	Ramanâ€spectroscopyâ€based differentiation between cow and buffalo milk. Journal of Raman Spectroscopy, 2017, 48, 692-696.	1.2	28
14	Photoionization cross section measurements of the3pP1,3excited states of helium in the near-threshold region. Physical Review A, 2006, 74, .	1.0	27
15	Simultaneous measurements of photoionization cross-sections of lithium isotopes from 3p2P1/2, 3/2. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 5025-5035.	0.6	26
16	Identification of new spectral signatures associated with dengue virus infected sera. Journal of Raman Spectroscopy, 2017, 48, 705-710.	1.2	26
17	Investigating temperature effects on extra virgin olive oil using fluorescence spectroscopy. Laser Physics, 2017, 27, 125602.	0.6	26
18	Measurement of photoionization cross section from the 3s3p1P1excited state of magnesium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 2291-2305.	0.6	25

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19	Alternate technique for simultaneous measurement of photoionization cross-section of isotopes by TOF mass spectrometer. European Physical Journal D, 2006, 38, 277-283.	0.6	24
20	Measurement of oscillator strength distribution in the discrete and continuous spectrum of lithium. Physical Review A, 2007, 75, .	1.0	21
21	Identification of new spectral signatures from hepatitis C virus infected human sera. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 222, 117181.	2.0	21
22	Laser-induced fluorescence spectroscopy for early disease detection in grapefruit plants. Photochemical and Photobiological Sciences, 2020, 19, 713-721.	1.6	21
23	Studying heating effects on desi ghee obtained from buffalo milk using fluorescence spectroscopy. PLoS ONE, 2018, 13, e0197340.	1.1	20
24	Photoionization cross-section measurements from the 2p, 3d and 3s excited states of lithium. European Physical Journal D, 2006, 40, 331-337.	0.6	19
25	Angular momentum dependence of photoionization cross sections from the excited states of lithium. Physical Review A, 2006, 74, .	1.0	19
26	Non-invasive assessment of mango ripening using fluorescence spectroscopy. Optik, 2016, 127, 5186-5189.	1.4	18
27	Raman spectroscopy based characterization of desi ghee obtained from buffalo and cow milk. International Dairy Journal, 2019, 89, 119-128.	1.5	18
28	An efficient pathway for Li6 isotope enrichment. Applied Physics B: Lasers and Optics, 2007, 87, 723-726.	1.1	17
29	Characterization of canola oil extracted by different methods using fluorescence spectroscopy. PLoS ONE, 2018, 13, e0208640.	1.1	17
30	Raman spectroscopy based characterization of cow, goat and buffalo fats. Journal of Food Science and Technology, 2021, 58, 234-243.	1.4	17
31	Deep transfer learning based hepatitis B virus diagnosis using spectroscopic images. International Journal of Imaging Systems and Technology, 2021, 31, 94-105.	2.7	17
32	Potentiation of Antimicrobial Photodynamic Therapy by Curcumin‐loaded Graphene Quantum Dots. Photochemistry and Photobiology, 2022, 98, 202-210.	1.3	17
33	Application of Fluorescence Spectroscopy in Wheat Crop: Early Disease Detection and Associated Molecular Changes. Journal of Fluorescence, 2020, 30, 801-810.	1.3	16
34	Optical Screening of Female Breast Cancer from Whole Blood Using Raman Spectroscopy. Applied Spectroscopy, 2017, 71, 1004-1013.	1.2	15
35	Optical diagnosis of hepatitis B virus infection in blood plasma using Raman spectroscopy and chemometric techniques. Journal of Raman Spectroscopy, 2020, 51, 1067-1077.	1.2	15
36	Infant gender‐based differentiation in concentration of milk fats using near infrared Raman spectroscopy. Journal of Raman Spectroscopy, 2017, 48, 363-367.	1.2	14

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37	Lactate based optical screening of dengue virus infection in human sera using Raman spectroscopy. Biomedical Optics Express, 2017, 8, 1250.	1.5	14
38	Raman spectroscopy based discrimination of NS1 positive and negative dengue virus infected serum. Laser Physics Letters, 2016, 13, 095603.	0.6	13
39	DIAGNOSTICS OF COPPER PLASMA PRODUCED BY THE FUNDAMENTAL, SECOND AND THIRD HARMONICS OF A Nd:YAG LASER. International Journal of Modern Physics B, 2007, 21, 2697-2710.	1.0	12
40	Characterisation of cow and buffalo ghee using fluorescence spectroscopy. International Journal of Dairy Technology, 2020, 73, 191-201.	1.3	12
41	Raman Spectroscopy–Based Characterization of Canola Oil. Food Analytical Methods, 2020, 13, 1292-1303.	1.3	12
42	Measurement of the oscillator strength distribution in helium. Physical Review A, 2007, 76, .	1.0	11
43	Raman spectroscopy-based screening of IgM positive and negative sera for dengue virus infection. Laser Physics, 2016, 26, 115602.	0.6	10
44	Defining the temperature range for cooking with extra virgin olive oil using Raman spectroscopy. Laser Physics Letters, 2017, 14, 095603.	0.6	10
45	Chlorophyll as a biomarker for early disease diagnosis. Laser Physics, 2018, 28, 065607.	0.6	10
46	Heating Effects of Desi Ghee Using Raman Spectroscopy. Applied Spectroscopy, 2018, 72, 833-846.	1.2	9
47	Angular momentum dependence of photoionization cross section from the excited states of lithium isotopes. Physical Review A, 2008, 77, .	1.0	7
48	Fluorescence Spectroscopy Based Detection of Adulteration in Desi Ghee. Journal of Fluorescence, 2020, 30, 181-191.	1.3	7
49	Characterization of Desi Ghee Extracted by Different Methods Using Fluorescence Spectroscopy. Journal of Fluorescence, 2019, 29, 1411-1421.	1.3	5
50	Saturation technique for the measurement of photoionization cross-section of atomic excited states–A review. Optik, 2018, 158, 664-674.	1.4	4
51	Characterization of desi ghee obtained from different extraction methods using Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 223, 117311.	2.0	4
52	Diagnosis of dengue virus infection using spectroscopic images and deep learning. PeerJ Computer Science, 0, 8, e985.	2.7	4
53	A comparative study of RF and dc discharge based laser optogalvanic spectroscopy of helium Rydberg states. Journal Physics D: Applied Physics, 2006, 39, 3788-3798.	1.3	3
54	Raman spectroscopy based investigation of molecular changes associated with an early stage of dengue virus infection. Laser Physics, 2017, 27, 045601.	0.6	3

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55	Raman spectroscopy based screening of IgG positive and negative sera for dengue virus infection. Laser Physics Letters, 2017, 14, 115601.	0.6	3
56	Classification of Sidr honey and detection of sugar adulteration using right angle fluorescence spectroscopy and chemometrics. European Food Research and Technology, 2022, 248, 1823-1829.	1.6	3
57	Mass spectrometric studies of laser ablated plume from a superconducting material. European Physical Journal D, 2009, 55, 121-126.	0.6	2
58	Raman spectroscopyâ€"based screening of hepatitis C and associated molecular changes. Laser Physics Letters, 2017, 14, 095602.	0.6	2
59	Synchronous fluorescence spectroscopy for early diagnosis of citrus canker in citrus species. Laser Physics, 2019, 29, 085604.	0.6	2
60	Optical diagnosis of typhoid infection in human blood sera using Raman spectroscopy. Spectroscopy Letters, 2020, 53, 249-255.	0.5	2
61	Laser induced isotopic studies using time of flight mass spectrometer. Optik, 2016, 127, 9885-9890.	1.4	1
62	Isotopes Separation Method using Physical Vapor Deposition Technique. Journal of Nuclear Materials, 2010, 397, 36-39.	1.3	0
63	Characterization of Corn Oil Using Fluorescence Spectroscopy. Journal of Fluorescence, 0, , .	1.3	0