

# Rahat Ullah

## List of Publications by Year in descending order

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41  
papers

893  
citations

430874

18  
h-index

501196

28  
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41  
all docs

41  
docs citations

41  
times ranked

897  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of dengue infection based on Raman spectroscopy and support vector machine (SVM). Biomedical Optics Express, 2016, 7, 2249.	2.9	96
2	Analysis of hepatitis B virus infection in blood sera using Raman spectroscopy and machine learning. Photodiagnosis and Photodynamic Therapy, 2018, 23, 89-93.	2.6	88
3	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.	2.2	51
4	Raman spectroscopy based analysis of milk using random forest classification. Vibrational Spectroscopy, 2018, 99, 124-129.	2.2	51
5	Identification of cow and buffalo milk based on Beta carotene and vitamin-A concentration using fluorescence spectroscopy. PLoS ONE, 2017, 12, e0178055.	2.5	39
6	Random Forest-Based Evaluation of Raman Spectroscopy for Dengue Fever Analysis. Applied Spectroscopy, 2017, 71, 2111-2117.	2.2	36
7	Raman spectroscopic analysis of dengue virus infection in human blood sera. Optik, 2016, 127, 2086-2088.	2.9	33
8	A comparative study of machine learning classifiers for risk prediction of asthma disease. Photodiagnosis and Photodynamic Therapy, 2019, 28, 292-296.	2.6	32
9	Raman spectroscopy based differentiation between cow and buffalo milk. Journal of Raman Spectroscopy, 2017, 48, 692-696.	2.5	28
10	Analysis of tuberculosis disease through Raman spectroscopy and machine learning. Photodiagnosis and Photodynamic Therapy, 2018, 24, 286-291.	2.6	28
11	Raman spectroscopy combined with a support vector machine for differentiating between feeding male and female infants mother's milk. Biomedical Optics Express, 2018, 9, 844.	2.9	27
12	Potentiality of using front face fluorescence spectroscopy for quantitative analysis of cow milk adulteration in buffalo milk. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 225, 117518.	3.9	27
13	Optical screening of nasopharyngeal cancer using Raman spectroscopy and support vector machine. Optik, 2018, 157, 565-570.	2.9	27
14	Demonstrating the application of Raman spectroscopy together with chemometric technique for screening of asthma disease. Biomedical Optics Express, 2019, 10, 600.	2.9	27
15	Investigating temperature effects on extra virgin olive oil using fluorescence spectroscopy. Laser Physics, 2017, 27, 125602.	1.2	26
16	Raman Spectroscopy Combined with Principal Component Analysis for Screening Nasopharyngeal Cancer in Human Blood Sera. Applied Spectroscopy, 2017, 71, 2497-2503.	2.2	24
17	Analysis of hepatitis C infection using Raman spectroscopy and proximity based classification in the transformed domain. Biomedical Optics Express, 2018, 9, 2041.	2.9	22
18	Computer assisted optical screening of human ovarian cancer using Raman spectroscopy. Photodiagnosis and Photodynamic Therapy, 2016, 15, 94-99.	2.6	21

#	ARTICLE	IF	CITATIONS
19	Cost effective and efficient screening of tuberculosis disease with Raman spectroscopy and machine learning algorithms. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 32, 101963.	2.6	21
20	Non-invasive assessment of mango ripening using fluorescence spectroscopy. <i>Optik</i> , 2016, 127, 5186-5189.	2.9	18
21	Fluorescence fingerprints of Sidr honey in comparison with uni/polyfloral honey samples. <i>European Food Research and Technology</i> , 2020, 246, 1829-1837.	3.3	18
22	Evaluation of Raman spectroscopy in comparison to commonly performed dengue diagnostic tests. <i>Journal of Biomedical Optics</i> , 2016, 21, 095005.	2.6	16
23	Raman spectroscopy and hierarchical cluster analysis for the ingredients characterization in different formulations of paracetamol and counterfeit paracetamol. <i>Vibrational Spectroscopy</i> , 2019, 102, 112-115.	2.2	15
24	Infant gender-based differentiation in concentration of milk fats using near infrared Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 363-367.	2.5	14
25	Lactate based optical screening of dengue virus infection in human sera using Raman spectroscopy. <i>Biomedical Optics Express</i> , 2017, 8, 1250.	2.9	14
26	Raman spectroscopy based discrimination of NS1 positive and negative dengue virus infected serum. <i>Laser Physics Letters</i> , 2016, 13, 095603.	1.4	13
27	Raman Spectroscopy-Based Characterization of Canola Oil. <i>Food Analytical Methods</i> , 2020, 13, 1292-1303.	2.6	12
28	Raman spectroscopy-based screening of IgM positive and negative sera for dengue virus infection. <i>Laser Physics</i> , 2016, 26, 115602.	1.2	10
29	Defining the temperature range for cooking with extra virgin olive oil using Raman spectroscopy. <i>Laser Physics Letters</i> , 2017, 14, 095603.	1.4	10
30	Time-temperature dependent variations in beta-carotene contents in carrot using different spectrophotometric techniques. <i>Laser Physics</i> , 2018, 28, 055601.	1.2	10
31	Optical screening of hepatitis-B infected blood sera using optical technique and neural network classifier. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 27, 375-379.	2.6	7
32	Phenolic Profile and Thermal Stability of Monovarietal Extra Virgin Olive Oils Based on Synchronous Fluorescence Spectroscopy. <i>Journal of Fluorescence</i> , 2020, 30, 939-947.	2.5	6
33	Near infrared ex-vivo bovine and computer model thresholds for laser-induced retinal damage. <i>Photonics &amp; Lasers in Medicine</i> , 2012, 1, .	0.2	5
34	Comparison among different postharvest ripening treatments based on carotene contents in mango using UV-VIS and Raman spectroscopy. <i>Laser Physics</i> , 2019, 29, 105701.	1.2	4
35	Thermal Effects on Biochemical Signatures of UHT, Pasteurized and Domestically Boiled Buffalo Milk Detected by Synchronous Fluorescence Spectroscopy. <i>Journal of Fluorescence</i> , 2019, 29, 485-493.	2.5	4
36	Raman spectroscopy based investigation of molecular changes associated with an early stage of dengue virus infection. <i>Laser Physics</i> , 2017, 27, 045601.	1.2	3

#	ARTICLE	IF	CITATIONS
37	Raman spectroscopy based screening of IgG positive and negative sera for dengue virus infection. Laser Physics Letters, 2017, 14, 115601.	1.4	3
38	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.	3.3	3
39	Raman spectroscopy based screening of hepatitis C and associated molecular changes. Laser Physics Letters, 2017, 14, 095602.	1.4	2
40	Elemental analysis of mango ripened by different postharvest treatments using laser induced breakdown spectroscopic. Optik, 2021, 246, 167770.	2.9	2
41	Evaluating the performance of multilayer perceptron algorithm for tuberculosis disease Raman data. Photodiagnosis and Photodynamic Therapy, 2022, , 102924.	2.6	0