# Muhammad Saleem

List of Publications by Year
in descending order



| 63 | 1,223 | 361296 20 | 434063 31 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 63 | 63 | 63 | 929 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Potentiation of Antimicrobial Photodynamic Therapy by Curcuminâ€loaded Graphene Quantum Dots. Photochemistry and Photobiology, 2022, 98, 202-210. | 1.3 | 17 |
| 2 | 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 |
| 3 | Raman spectroscopy based characterization of cow, goat and buffalo fats. Journal of Food Science and Technology, 2021, 58, 234-243. | 1.4 | 17 |
| 4 | 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 |
| 5 | Characterisation of cow and buffalo ghee using fluorescence spectroscopy. International Journal of Dairy Technology, 2020, 73, 191-201. | 1.3 | 12 |
| 6 | 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 |
| 7 | Application of Fluorescence Spectroscopy in Wheat Crop: Early Disease Detection and Associated Molecular Changes. Journal of Fluorescence, 2020, 30, 801-810. | 1.3 | 16 |
| 8 | Optical diagnosis of typhoid infection in human blood sera using Raman spectroscopy. Spectroscopy Letters, 2020, 53, 249-255. | 0.5 | 2 |
| 9 | Raman Spectroscopyâ€“Based Characterization of Canola Oil. Food Analytical Methods, 2020, 13, 1292-1303. | 1.3 | 12 |
| 10 | Fluorescence Spectroscopy Based Detection of Adulteration in Desi Ghee. Journal of Fluorescence, 2020, 30, 181-191. | 1.3 | 7 |
| 11 | Laser-induced fluorescence spectroscopy for early disease detection in grapefruit plants. Photochemical and Photobiological Sciences, 2020, 19, 713-721. | 1.6 | 21 |
| 12 | 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 |
| 13 | Synchronous fluorescence spectroscopy for early diagnosis of citrus canker in citrus species. Laser Physics, 2019, 29, 085604. | 0.6 | 2 |
| 14 | 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 |
| 15 | 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 |
| 16 | Characterization of Desi Ghee Extracted by Different Methods Using Fluorescence Spectroscopy. Journal of Fluorescence, 2019, 29, 1411-1421. | 1.3 | 5 |
| 17 | Raman spectroscopy based characterization of desi ghee obtained from buffalo and cow milk. International Dairy Journal, 2019, 89, 119-128. | 1.5 | 18 |
| 18 | Raman spectral analysis for rapid screening of dengue infection. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 200, 136-142. | 2.0 | 53 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Saturation technique for the measurement of photoionization cross-section of atomic excited statesâ€"A review. Optik, 2018, 158, 664-674. | 1.4 | 4 |
| 20 | 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 |
| 21 | Heating Effects of Desi Ghee Using Raman Spectroscopy. Applied Spectroscopy, 2018, 72, 833-846. | 1.2 | 9 |
| 22 | Characterization of canola oil extracted by different methods using fluorescence spectroscopy. PLoS ONE, 2018, 13, e0208640. | 1.1 | 17 |
| 23 | Studying heating effects on desi ghee obtained from buffalo milk using fluorescence spectroscopy. PLoS ONE, 2018, 13, e0197340. | 1.1 | 20 |
| 24 | 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 |
| 25 | Chlorophyll as a biomarker for early disease diagnosis. Laser Physics, 2018, 28, 065607. | 0.6 | 10 |
| 26 | Raman spectroscopy based investigation of molecular changes associated with an early stage of dengue virus infection. Laser Physics, 2017, 27, 045601. | 0.6 | 3 |
| 27 | Ramanâ€spectroscopyâ€based differentiation between cow and buffalo milk. Journal of Raman Spectroscopy, 2017, 48, 692-696. | 1.2 | 28 |
| 28 | Identification of new spectral signatures associated with dengue virus infected sera. Journal of Raman Spectroscopy, 2017, 48, 705-710. | 1.2 | 26 |
| 29 | 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 |
| 30 | Raman spectroscopy based screening of IgG positive and negative sera for dengue virus infection. Laser Physics Letters, 2017, 14, 115601. | 0.6 | 3 |
| 31 | Raman spectroscopyâ€"based screening of hepatitis C and associated molecular changes. Laser Physics Letters, 2017, 14, 095602. | 0.6 | 2 |
| 32 | Defining the temperature range for cooking with extra virgin olive oil using Raman spectroscopy. Laser Physics Letters, 2017, 14, 095603. | 0.6 | 10 |
| 33 | Investigating temperature effects on extra virgin olive oil using fluorescence spectroscopy. Laser Physics, 2017, 27, 125602. | 0.6 | 26 |
| 34 | Infant genderâ€based differentiation in concentration of milk fats using near infrared Raman spectroscopy. Journal of Raman Spectroscopy, 2017, 48, 363-367. | 1.2 | 14 |
| 35 | Optical Screening of Female Breast Cancer from Whole Blood Using Raman Spectroscopy. Applied Spectroscopy, 2017, 71, 1004-1013. | 1.2 | 15 |
| 36 | Lactate based optical screening of dengue virus infection in human sera using Raman spectroscopy. Biomedical Optics Express, 2017, 8, 1250. | 1.5 | 14 |

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|---|---|---|---|
| 37 | 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 |
| 38 | Qualitative analysis of desi ghee, edible oils, and spreads using Raman spectroscopy. Journal of Raman Spectroscopy, 2016, 47, 706-711. | 1.2 | 32 |
| 39 | Raman spectroscopy based discrimination of NS1 positive and negative dengue virus infected serum. Laser Physics Letters, 2016, 13, 095603. | 0.6 | 13 |
| 40 | Laser induced isotopic studies using time of flight mass spectrometer. Optik, 2016, 127, 9885-9890. | 1.4 | 1 |
| 41 | Raman spectroscopy-based screening of IgM positive and negative sera for dengue virus infection. Laser Physics, 2016, 26, 115602. | 0.6 | 10 |
| 42 | Non-invasive assessment of mango ripening using fluorescence spectroscopy. Optik, 2016, 127, 5186-5189. | 1.4 | 18 |
| 43 | Raman spectroscopic analysis of dengue virus infection in human blood sera. Optik, 2016, 127, 2086-2088. | 1.4 | 33 |
| 44 | Optical diagnosis of malaria infection in human plasma using Raman spectroscopy. Journal of Biomedical Optics, 2015, 20, 017002. | 1.4 | 49 |
| 45 | Optical diagnosis of dengue virus infection in human blood serum using Raman spectroscopy. Laser Physics Letters, 2013, 10, 035602. | 0.6 | 49 |
| 46 | Isotopes Separation Method using Physical Vapor Deposition Technique. Journal of Nuclear Materials, 2010, 397, 36-39. | 1.3 | 0 |
| 47 | Mass spectrometric studies of laser ablated plume from a superconducting material. European Physical Journal D, 2009, 55, 121-126. | 0.6 | 2 |
| 48 | Angular momentum dependence of photoionization cross section from the excited states of lithium isotopes. Physical Review A, 2008, 77, . | 1.0 | 7 |
| 49 | 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 |
| 50 | 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 |
| 51 | Measurement of the oscillator strength distribution in helium. Physical Review A, 2007, 76, . | 1.0 | 11 |
| 52 | Measurement of oscillator strength distribution in the discrete and continuous spectrum of lithium. Physical Review A, 2007, 75, . | 1.0 | 21 |
| 53 | An efficient pathway for Li6 isotope enrichment. Applied Physics B: Lasers and Optics, 2007, 87, 723-726. | 1.1 | 17 |
| 54 | Photoionization cross section measurements of the3pP1,3excited states of helium in the near-threshold region. Physical Review A, 2006, 74, . | 1.0 | 27 |

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|---|---|---|---|
| 55 | Laser isotope separation of lithium by two-step photoionization. Journal of Applied Physics, 2006, 100, 053111. | 1.1 | 43 |
| 56 | 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 |
| 57 | Diagnostics of cadmium plasma produced by laser ablation. Journal of Applied Physics, 2006, 100, 073102. | 1.1 | 43 |
| 58 | 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 |
| 59 | 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 |
| 60 | 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 |
| 61 | Angular momentum dependence of photoionization cross sections from the excited states of lithium. Physical Review A, 2006, 74, . | 1.0 | 19 |
| 62 | Diagnosis of dengue virus infection using spectroscopic images and deep learning. PeerJ Computer Science, 0, 8, e985. | 2.7 | 4 |
| 63 | Characterization of Corn Oil Using Fluorescence Spectroscopy. Journal of Fluorescence, 0, , . | 1.3 | 0 |