# Iftak Hussain

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1182188/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 42 papers | 1,258 citations | 516710 16 h-index | 361022 35 g-index |
| 44 all docs | 44 docs citations | 44 times ranked | 1389 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Label-free biodetection using a smartphone. Lab on A Chip, 2013, 13, 2124. | 6.0 | 281 |
| 2 | Low-Cost, Robust, and Field Portable Smartphone Platform Photometric Sensor for Fluoride Level Detection in Drinking Water. Analytical Chemistry, 2017, 89, 767-775. | 6.5 | 99 |
| 3 | Recent trends in smartphone-based detection for biomedical applications: a review. Analytical and Bioanalytical Chemistry, 2021, 413, 2389-2406. | 3.7 | 93 |
| 4 | Smartphone based LSPR sensing platform for bio-conjugation detection and quantification. RSC Advances, 2016, 6, 21871-21880. | 3.6 | 92 |
| 5 | Water salinity detection using a smartphone. Sensors and Actuators B: Chemical, 2017, 239, 1042-1050. | 7.8 | 74 |
| 6 | Water turbidity sensing using a smartphone. RSC Advances, 2016, 6, 22374-22382. | 3.6 | 73 |
| 7 | Ground and river water quality monitoring using a smartphone-based pH sensor. AIP Advances, 2015, 5, . | 1.3 | 54 |
| 8 | Evanescent Wave Coupled Spectroscopic Sensing Using Smartphone. IEEE Photonics Technology Letters, 2014, 26, 568-570. | 2.5 | 52 |
| 9 | Smartphone-based optical spectroscopic platforms for biomedical applications: a review [Invited]. Biomedical Optics Express, 2021, 12, 1974. | 2.9 | 38 |
| 10 | Protein, enzyme and carbohydrate quantification using smartphone through colorimetric digitization technique. Journal of Biophotonics, 2017, 10, 623-633. | 2.3 | 37 |
| 11 | All fiberâ€optic sensor for liquid level measurement. Microwave and Optical Technology Letters, 2008, 50, 1982-1984. | 1.4 | 33 |
| 12 | Dye-Assisted pH Sensing Using a Smartphone. IEEE Photonics Technology Letters, 2015, 27, 2363-2366. | 2.5 | 32 |
| 13 | Estimation of trace-mercury concentration in water using a smartphone. Measurement: Journal of the International Measurement Confederation, 2020, 154, 107507. | 5.0 | 26 |
| 14 | Surface Plasmon Resonance-Based Protein Bio-Sensing Using a Kretschmann Configured Double Prism Arrangement. IEEE Sensors Journal, 2015, 15, 6791-6796. | 4.7 | 25 |
| 15 | Design of a Smartphone Platform Compact Optical System Operational Both in Visible and Near Infrared Spectral Regime. IEEE Sensors Journal, 2018, 18, 4933-4939. | 4.7 | 25 |
| 16 | A naturally occurring diatom frustule as a SERS substrate for the detection and quantification of chemicals. Journal Physics D: Applied Physics, 2017, 50, 175103. | 2.8 | 22 |
| 17 | Turbidimetric analysis of growth kinetics of bacteria in the laboratory environment using smartphone. Journal of Biophotonics, 2020, 13, e201960159. | 2.3 | 16 |
| 18 | Wide-field multi-modal microscopic imaging using smartphone. Optics and Lasers in Engineering, 2021, 137, 106343. | 3.8 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Detection and quantification of phosphate in water and soil using a smartphone. Microchemical Journal, 2022, 172, 106949. | 4.5 | 14 |
| 20 | Synergy of Adsorption and Plasmonic Photocatalysis in the Auâ€“CeO<sub>2</sub> Nanosystem: Experimental Validation and Plasmonic Modeling. Langmuir, 2022, 38, 7628-7638. | 3.5 | 14 |
| 21 | Smartphone-based platform optical setup measuring Ï€/256 optical phase difference in an interference process. Applied Optics, 2015, 54, 5739. | 2.1 | 13 |
| 22 | Immunoinformatics mapping of potential epitopes in SARS-CoV-2 structural proteins. PLoS ONE, 2021, 16, e0258645. | 2.5 | 13 |
| 23 | Enhanced sensitive fiberâ€optic sensor with double pass evanescent field absorption. Microwave and Optical Technology Letters, 2009, 51, 3004-3006. | 1.4 | 12 |
| 24 | Periodically Varying Height in Metal Nano-pillars for Enhanced Generation of Localized Surface Plasmon Field. Plasmonics, 2015, 10, 1367-1372. | 3.4 | 12 |
| 25 | Carbon Nanodotâ€“Neutral Red-Based Photometric and Fluorescence Sensing for Trace Detection of Nitrite in Water and Soil Using Smartphone. ACS Applied Nano Materials, 2022, 5, 3265-3274. | 5.0 | 11 |
| 26 | All Fiber-Optic Sensor for Monitoring Pressure Fluctuations in ON/OFF State. IEEE Sensors Journal, 2013, 13, 1148-1152. | 4.7 | 10 |
| 27 | Fiber-Optic Volumetric Sensor Based on Beer-Lambert Principle. IEEE Sensors Journal, 2013, 13, 3345-3346. | 4.7 | 8 |
| 28 | Diagonally Aligned Squared Metal Nano-pillar with Increased Hotspot Density as a Highly Reproducible SERS Substrate. Plasmonics, 2017, 12, 1353-1358. | 3.4 | 7 |
| 29 | Design of a 3D printed compact interferometric system and required phone application for small angular measurements. Review of Scientific Instruments, 2018, 89, 103111. | 1.3 | 7 |
| 30 | Programmable illumination smartphone microscopy (PISM): A multimodal imaging platform for biomedical applications. Optics and Lasers in Engineering, 2022, 151, 106931. | 3.8 | 7 |
| 31 | Solvent treated paper resistor for filter circuit operation and relative humidity sensing. Indian Journal of Physics, 2014, 88, 1093-1097. | 1.8 | 6 |
| 32 | An affordable, handheld multimodal microscopic system with onboard cell morphology and counting features on a mobile device. Analyst, The, 2022, 147, 2859-2869. | 3.5 | 6 |
| 33 | Fiber-optic liquid level sensor based on coupling optical path length variation. Review of Scientific Instruments, 2012, 83, 055006. | 1.3 | 5 |
| 34 | Smartphone-Based Spectrometric Analyzer for Accurate Estimation of pH Value in Soil. IEEE Sensors Journal, 2020, , 1-1. | 4.7 | 5 |
| 35 | Non-intrusive refractometer sensor. Pramana - Journal of Physics, 2010, 74, 661-668. | 1.8 | 4 |
| 36 | Dual Mode Smartphone Based Sensing for Accurate Estimation of Sulphate and Chloride in Water. IEEE Sensors Journal, 2021, 21, 19314-19321. | 4.7 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | A smartphone-based photometric and fluorescence sensing for accurate estimation of zinc ion in water. Sensors and Actuators A: Physical, 2022, 341, 113586. | 4.1 | 3 |
| 38 | A multi-channel smartphone-based spectroscopic system for high-throughput biosensing in low-resource settings. Analyst, The, 0, , . | 3.5 | 3 |
| 39 | Single-mode fibre coupler as refractometer sensor. Pramana - Journal of Physics, 2012, 79, 1525-1532. | 1.8 | 2 |
| 40 | Low-Cost, Volume-Controlled Dipstick Urinalysis for Home-Testing. Journal of Visualized Experiments, 2021, , . | 0.3 | 2 |
| 41 | Recurrence monitoring for ovarian cancer using a cell phone-integrated paper device to measure the ovarian cancer biomarker HE4/CRE ratio in urine. Scientific Reports, 2021, 11, 21945. | 3.3 | 2 |
| 42 | Design, fabrication and testing of 3D printed smartphone-based device for collection of intrinsic fluorescence from human cervix. Scientific Reports, 2022, 12, . | 3.3 | 2 |