Meez Islam

List of Publications by Year
in descending order

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Version: 2024-02-01

43	1,565	331259	301761
papers	citations	21 h-index	39 g-index

43	43	43	1783
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The application of a new method of Fourier Transform Infrared Spectroscopy to the analysis of burned bone. Journal of Archaeological Science, 2009, 36, 910-914.	1.2	190
2	Fingerprint composition and aging: A literature review. Science and Justice - Journal of the Forensic Science Society, 2015, 55, 219-238.	1.3	186
3	Biochar: Carbon Sequestration, Land Remediation, and Impacts on Soil Microbiology. Critical Reviews in Environmental Science and Technology, 2012, 42, 2311-2364.	6.6	158
4	Estimating temperature exposure of burnt bone â€" A methodological review. Science and Justice - Journal of the Forensic Science Society, 2015, 55, 181-188.	1.3	129
5	An investigation into the internal and external variables acting on crystallinity index using Fourier Transform Infrared Spectroscopy on unaltered and burned bone. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 299, 168-174.	1.0	78
6	The age estimation of blood stains up to 30days old using visible wavelength hyperspectral image analysis and linear discriminant analysis. Science and Justice - Journal of the Forensic Science Society, 2013, 53, 270-277.	1.3	68
7	The application of histomorphometry and Fourier Transform Infrared Spectroscopy to the analysis of early Anglo-Saxon burned bone. Journal of Archaeological Science, 2011, 38, 2399-2409.	1.2	64
8	The Effect of Soft Tissue on Temperature Estimation from Burnt Bone Using Fourier Transform Infrared Spectroscopy. Journal of Forensic Sciences, 2016, 61, 153-159.	0.9	48
9	Microfluidic Bioreactors for Cell Culturing: A Review. Micro and Nanosystems, 2011, 3, 137-160.	0.3	38
10	Scanning Electron Microscopyâ€"Energyâ€Dispersive Xâ€Ray (<scp>SEM</scp>/<scp>EDX</scp>): A Rapid Diagnostic Tool to Aid the Identification of Burnt Bone and Contested Cremains. Journal of Forensic Sciences, 2018, 63, 504-510.	0.9	38
11	Liquid-Phase Broadband Cavity-Enhanced Absorption Spectroscopy Measurements in a 2 mm Cuvette. Applied Spectroscopy, 2007, 61, 649-658.	1.2	37
12	The application of visible wavelength reflectance hyperspectral imaging for the detection and identification of blood stains. Science and Justice - Journal of the Forensic Science Society, 2014, 54, 432-438.	1.3	36
13	New insights into application of nanoparticles for water-based enhanced oil recovery in carbonate reservoirs. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 568, 164-172.	2.3	36
14	Broadband Cavity Enhanced Absorption Spectroscopy as a Detector for HPLC. Analytical Chemistry, 2009, 81, 4106-4112.	3.2	34
15	Discrimination of teas based on total luminescence spectroscopy and pattern recognition. Journal of the Science of Food and Agriculture, 2006, 86, 2092-2098.	1.7	31
16	Discrimination of Sri Lankan black teas using fluorescence spectroscopy and linear discriminant analysis. Journal of the Science of Food and Agriculture, 2013, 93, 2308-2314.	1.7	31
17	Low cost microfluidic cell culture array using normally closed valves for cytotoxicity assay. Talanta, 2014, 129, 491-498.	2.9	31
18	Demonstration of a novel laser-driven light source for broadband spectroscopy between 170 nm and 2.1 Î¼m. Analyst, The, 2013, 138, 4741.	1.7	30

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19	Liquid-phase broadband cavity enhanced absorption spectroscopy (BBCEAS) studies in a 20 cm cell. Analyst, The, 2009, 134, 1887.	1.7	28
20	The non-contact detection and identification of blood stained fingerprints using visible wavelength reflectance hyperspectral imaging: Part 1. Science and Justice - Journal of the Forensic Science Society, 2016, 56, 181-190.	1.3	26
21	The estimation of the age of a blood stain using reflectance spectroscopy with a microspectrophotometer, spectral pre-processing and linear discriminant analysis. Forensic Science International, 2011, 212, 198-204.	1.3	25
22	Age Determination of Blood-Stained Fingerprints Using Visible Wavelength Reflectance Hyperspectral Imaging. Journal of Imaging, 2018, 4, 141.	1.7	22
23	A novel hybrid technique to enhance oil production from oil-wet carbonate reservoirs by combining a magnetic field with alumina and iron oxide nanoparticles. Journal of Cleaner Production, 2021, 281, 124891.	4.6	22
24	The non-contact detection and identification of blood stained fingerprints using visible wavelength hyperspectral imaging: Part II effectiveness on a range of substrates. Science and Justice - Journal of the Forensic Science Society, 2016, 56, 191-200.	1.3	21
25	Study on CO₂ Hydrate Formation Kinetics in Saline Water in the Presence of Low Concentrations of CH₄. ACS Omega, 2019, 4, 18210-18218.	1.6	20
26	New Insights into the Application of a Magnetic Field to Enhance Oil Recovery from Oil-Wet Carbonate Reservoirs. Energy & Fuels, 2019, 33, 10602-10610.	2.5	17
27	A comparison of visible wavelength reflectance hyperspectral imaging and Acid Black 1 for the detection and identification of blood stained fingerprints. Science and Justice - Journal of the Forensic Science Society, 2016, 56, 247-255.	1.3	15
28	High sensitivity liquid phase measurements using broadband cavity enhanced absorption spectroscopy (BBCEAS) featuring a low cost webcam based prism spectrometer. Analyst, The, 2013, 138, 6372.	1.7	14
29	Comparative Analysis of Hydrate Nucleation for Methane and Carbon Dioxide. Molecules, 2019, 24, 1055.	1.7	13
30	A re-evaluation of manner of death at Roman Herculaneum following the AD 79 eruption of Vesuvius. Antiquity, 2020, 94, 76-91.	0.5	13
31	Tailor-made recombinant prokaryotic lectins for characterisation of glycoproteins. Analytica Chimica Acta, 2021, 1155, 338352.	2.6	12
32	Cavity-Enhanced Immunoassay Measurements in Microtiter Plates Using BBCEAS. Analytical Chemistry, 2016, 88, 5264-5270.	3.2	11
33	Cavity enhanced liquid-phase stopped-flow kinetics. Analyst, The, 2018, 143, 493-502.	1.7	8
34	Sensitive detection of HO2 radicals produced in an atmospheric pressure plasma using Faraday rotation cavity ring-down spectroscopy. Journal of Chemical Physics, 2019, 151, 124202.	1.2	7
35	Application of Water-Soluble Polymer/Biopolymer Combined with a Biosurfactant in Oil-Wet Fractured Carbonate Reservoirs. ACS Omega, 2021, 6, 15674-15685.	1.6	7
36	New Insight into the Influence of Rhamnolipid Bio-Surfactant on the Carbonate Rock/Water/Oil Interaction at Elevated Temperature. Resources, 2018, 7, 75.	1.6	6

#	Article	IF	Citations
37	Studying the effect of acidic and basic species on the physiochemical properties of polymer and biopolymer at different operational conditions. Journal of Molecular Liquids, 2020, 301, 112424.	2.3	5
38	A comparison between visible wavelength hyperspectral imaging and digital photography for the detection and identification of bloodstained footwear marks. Journal of Forensic Sciences, 2021, 66, 2424-2437.	0.9	4
39	Application of non-contact scanning to forensic podiatry: A feasibility study. Science and Justice - Journal of the Forensic Science Society, 2021, 61, 79-88.	1.3	3
40	Novel Technological Applications for Latent and Blood-Stained Fingermark Aging Studies. Advanced Sciences and Technologies for Security Applications, 2019, , 33-66.	0.4	2
41	Time-resolved observations of vibrationally excited NO X 2Î (vâ€²) formed from collisional quenching of NO A 2Î£+ (v = 0) by NO X 2Î: evidence for the participation of the NO a 4Î state. Physical Chemistry Chemical Physics, 2021, 23, 20478-20488.	1.3	1
42	Microbioreactor Integrated with a Sensor for Monitoring Intracellular Green Fluorescence Protein (GFP). IFMBE Proceedings, 2014, , 888-891.	0.2	0
43	Quantification of iron and copper ions in some edible oils using broadband cavity enhanced absorption spectroscopy (<scp>BBCEAS</scp>). JSFA Reports, 2022, 2, 351-360.	0.2	0