

Ahmad Salman

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

664
citations

687363

13
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

588
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic potential of Fourier-transform infrared microspectroscopy and advanced computational methods in colon cancer patients. <i>Journal of Biomedical Optics</i> , 2002, 7, 248.	2.6	145
2	Using Infrared Spectroscopy and Multivariate Analysis to Detect Antibiotics-Resistant <i>Escherichia coli</i> Bacteria. <i>Analytical Chemistry</i> , 2017, 89, 8782-8790.	6.5	78
3	FTIR spectroscopic method for detection of cells infected with herpes viruses. <i>Biopolymers</i> , 2002, 67, 406-412.	2.4	64
4	Detection of antibiotic resistant <i>Escherichia Coli</i> bacteria using infrared microscopy and advanced multivariate analysis. <i>Analyst, The</i> , 2017, 142, 2136-2144.	3.5	47
5	Identification of fungal phytopathogens using Fourier transform infrared-attenuated total reflection spectroscopy and advanced statistical methods. <i>Journal of Biomedical Optics</i> , 2012, 17, 017002.	2.6	38
6	FTIR microspectroscopy of malignant fibroblasts transformed by mouse sarcoma virus. <i>Journal of Proteomics</i> , 2003, 55, 141-153.	2.4	34
7	FTIR Microscopic Studies on Normal, Polyp, and Malignant Human Colonic Tissues. <i>Subsurface Sensing Technologies and Applications</i> , 2001, 2, 99-117.	0.9	29
8	FTIR microscopic studies on normal and H-Ras oncogene transfected cultured mouse fibroblasts. <i>European Biophysics Journal</i> , 2001, 30, 250-255.	2.2	28
9	Fast and reliable determination of <i>Escherichia coli</i> susceptibility to antibiotics: Infrared microscopy in tandem with machine learning algorithms. <i>Journal of Biophotonics</i> , 2019, 12, e201800478.	2.3	26
10	Detection of Extended-Spectrum β -Lactamase-Producing <i>Escherichia coli</i> Using Infrared Microscopy and Machine-Learning Algorithms. <i>Analytical Chemistry</i> , 2019, 91, 2525-2530.	6.5	24
11	Early detection of colorectal cancer relapse by infrared spectroscopy in "normal" anastomosis tissue. <i>Journal of Biomedical Optics</i> , 2015, 20, 075007.	2.6	18
12	Differential Diagnosis of the Etiologies of Bacterial and Viral Infections Using Infrared Microscopy of Peripheral Human Blood Samples and Multivariate Analysis. <i>Analytical Chemistry</i> , 2018, 90, 7888-7895.	6.5	18
13	Distinction between mixed genus bacteria using infrared spectroscopy and multivariate analysis. <i>Vibrational Spectroscopy</i> , 2019, 100, 6-13.	2.2	18
14	Rapid diagnosis of infection etiology in febrile pediatric oncology patients using infrared spectroscopy of leukocytes. <i>Journal of Biophotonics</i> , 2020, 13, e201900215.	2.3	14
15	Rapid detection of <i>Klebsiella pneumoniae</i> producing extended spectrum β lactamase enzymes by infrared microspectroscopy and machine learning algorithms. <i>Analyst, The</i> , 2021, 146, 1421-1429.	3.5	13
16	Infra-red spectroscopy combined with machine learning algorithms enables early determination of <i>Pseudomonas aeruginosa</i> 's susceptibility to antibiotics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 274, 121080.	3.9	12
17	Detection of Vero Cells Infected with Herpes Simplex Types 1 and 2 and Varicella Zoster Viruses Using Raman Spectroscopy and Advanced Statistical Methods. <i>PLoS ONE</i> , 2016, 11, e0153599.	2.5	11
18	Determination of <i>Klebsiella pneumoniae</i> Susceptibility to Antibiotics Using Infrared Microscopy. <i>Analytical Chemistry</i> , 2021, 93, 13426-13433.	6.5	11

#	ARTICLE	IF	CITATIONS
19	Diagnosis of inaccessible infections using infrared microscopy of white blood cells and machine learning algorithms. <i>Analyst, The</i> , 2020, 145, 6955-6967.	3.5	9
20	Differentiation of <i>Pectobacterium</i> and <i>Dickeya</i> spp. phytopathogens using infrared spectroscopy and machine learning analysis. <i>Journal of Biophotonics</i> , 2020, 13, e201960156.	2.3	9
21	Tracing overlapping biological signals in mid-infrared using colonic tissues as a model system. <i>World Journal of Gastroenterology</i> , 2017, 23, 286.	3.3	8
22	Study of plasma-induced peripheral blood mononuclear cells survival using Fourier transform infrared microspectroscopy. <i>Journal of Biomedical Optics</i> , 2013, 18, 115004.	2.6	7
23	Potential of infrared microscopy to differentiate between dementia with Lewy bodies and Alzheimer's diseases using peripheral blood samples and machine learning algorithms. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	2.6	3
24	Potential of bacterial infection diagnosis using infrared spectroscopy of WBC and machine learning algorithms. , 2019, , .		0