

Shaul Mordechai

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,157
citations

411340

20
h-index

425179

34
g-index

38
all docs

38
docs citations

38
times ranked

1268
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid diagnosis of infection etiology in febrile pediatric oncology patients using infrared spectroscopy of leukocytes. <i>Journal of Biophotonics</i> , 2020, 13, e201900215.	1.1	14
2	Diagnosis of inaccessible infections using infrared microscopy of white blood cells and machine learning algorithms. <i>Analyst, The</i> , 2020, 145, 6955-6967.	1.7	9
3	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.	1.1	9
4	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.	1.4	3
5	Distinction between mixed genus bacteria using infrared spectroscopy and multivariate analysis. <i>Vibrational Spectroscopy</i> , 2019, 100, 6-13.	1.2	18
6	Potential of bacterial infection diagnosis using infrared spectroscopy of WBC and machine learning algorithms. , 2019, , .		0
7	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.	3.2	18
8	Tracing overlapping biological signals in mid-infrared using colonic tissues as a model system. <i>World Journal of Gastroenterology</i> , 2017, 23, 286.	1.4	8
9	Spectroscopic techniques in medicine: The future of diagnostics. <i>Applied Spectroscopy Reviews</i> , 2016, 51, 484-499.	3.4	25
10	A novel method for screening colorectal cancer by infrared spectroscopy of peripheral blood mononuclear cells and plasma. <i>Journal of Gastroenterology</i> , 2016, 51, 214-221.	2.3	22
11	Early detection of colorectal cancer relapse by infrared spectroscopy in "normal" anastomosis tissue. <i>Journal of Biomedical Optics</i> , 2015, 20, 075007.	1.4	18
12	Early detection of breast cancer using total biochemical analysis of peripheral blood components: a preliminary study. <i>BMC Cancer</i> , 2015, 15, 408.	1.1	50
13	Detection of Cancer Using Advanced Computerized Analysis of Infrared Spectra of Peripheral Blood. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 343-353.	2.5	30
14	Study of plasma-induced peripheral blood mononuclear cells survival using Fourier transform infrared microspectroscopy. <i>Journal of Biomedical Optics</i> , 2013, 18, 115004.	1.4	7
15	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.	1.4	38
16	Optimization Efficiency of Monte Carlo Simulation Tool for Evanescent Wave Spectroscopy Fiber-Optic Probe. <i>Advances in Optical Technologies</i> , 2012, 2012, 1-5.	0.8	1
17	Pre-screening and follow-up of childhood acute leukemia using biochemical infrared analysis of peripheral blood mononuclear cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011, 1810, 827-835.	1.1	56
18	Fluorescence spectroscopy of <i>Hras</i> transfected murine fibroblasts: A comparison with Monte Carlo simulations. <i>Biopolymers</i> , 2010, 93, 132-140.	1.2	1

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19	Biochemical analysis and quantification of hematopoietic stem cells by infrared spectroscopy. Journal of Biomedical Optics, 2010, 15, 037008.	1.4	7
20	Spectral signatures of colonic malignancies in the mid-infrared region: from basic research to clinical applicability. Future Oncology, 2010, 6, 1653-1667.	1.1	9
21	Prediction potential of IR-micro spectroscopy for colon cancer relapse. Analyst, The, 2010, 135, 538.	1.7	19
22	Early detection of premalignant changes in cell cultures using light-induced fluorescence spectroscopy. European Biophysics Journal, 2009, 38, 971-980.	1.2	16
23	Diagnosis of Cell Death by Means of Infrared Spectroscopy. Biophysical Journal, 2009, 97, 2107-2114.	0.2	100
24	Nucleic acids absorbance in Mid IR and its effect on diagnostic variates during cell division: A case study with lymphoblastic cells. Biopolymers, 2008, 89, 993-1001.	1.2	18
25	Monitoring of viral cancer progression using FTIR microscopy: A comparative study of intact cells and tissues. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 1038-1046.	1.1	41
26	Early spectral changes of cellular malignant transformation using Fourier transform infrared microspectroscopy. Journal of Biomedical Optics, 2007, 12, 024003.	1.4	51
27	Continuous monitoring of WBC (biochemistry) in an adult leukemia patient using advanced FTIR-spectroscopy. Leukemia Research, 2006, 30, 687-693.	0.4	45
28	Characterization of Malignant Melanoma Using Vibrational Spectroscopy. Scientific World Journal, The, 2005, 5, 173-182.	0.8	27
29	Inflammatory bowel diseases as an intermediate stage between normal and cancer: A FTIR-microspectroscopy approach. Biopolymers, 2004, 75, 384-392.	1.2	70
30	Preliminary results of evaluation of progress in chemotherapy for childhood leukemia patients employing Fourier-transform infrared microspectroscopy and cluster analysis. Translational Research, 2003, 141, 385-394.	2.4	27
31	FTIR microspectroscopy of malignant fibroblasts transformed by mouse sarcoma virus. Journal of Proteomics, 2003, 55, 141-153.	2.4	34
32	Diagnostic potential of Fourier-transform infrared microspectroscopy and advanced computational methods in colon cancer patients. Journal of Biomedical Optics, 2002, 7, 248.	1.4	145
33	Novel spectral method for the study of viral carcinogenesis in vitro. Journal of Proteomics, 2002, 50, 111-121.	2.4	69
34	A comparative study of gallstones from children and adults using FTIR spectroscopy and fluorescence microscopy. BMC Gastroenterology, 2002, 2, 3.	0.8	50
35	Application of FTIR microscopy for the characterization of malignancy: H-ras transfected murine fibroblasts as an example. Journal of Proteomics, 2001, 50, 33-42.	2.4	30
36	FTIR microscopic studies on normal and H-Ras oncogene transfected cultured mouse fibroblasts. European Biophysics Journal, 2001, 30, 250-255.	1.2	28

#	ARTICLE	IF	CITATIONS
37	FTIR Microscopic Studies on Normal, Polyp, and Malignant Human Colonic Tissues. Subsurface Sensing Technologies and Applications, 2001, 2, 99-117.	0.9	29
38	DOUBLE GIANT RESONANCES. International Journal of Modern Physics E, 1994, 03, 39-99.	0.4	15