

# Israel Schechter

## List of Publications by Year in descending order

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34  
papers

867  
citations

687363

13  
h-index

477307

29  
g-index

34  
all docs

34  
docs citations

34  
times ranked

853  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorbate effects on photoluminescence and electrical conductivity of porous silicon. Applied Physics Letters, 1994, 64, 481-483.	3.3	184
2	Cellular Responses Evoked by Different Surface Characteristics of Intraosseous Titanium Implants. BioMed Research International, 2015, 2015, 1-8.	1.9	128
3	Absolute Analysis of Particulate Materials by Laser-Induced Breakdown Spectroscopy. Analytical Chemistry, 1997, 69, 2103-2108.	6.5	117
4	Wavelength Selection for Simultaneous Spectroscopic Analysis. Experimental and Theoretical Study. Analytical Chemistry, 1996, 68, 2392-2400.	6.5	107
5	Spectroscopic Imaging of Laser-Induced Plasma. Analytical Chemistry, 1996, 68, 2966-2973.	6.5	67
6	Converting Spatial to Pseudotemporal Resolution in Laser Plasma Analysis by Simultaneous Multifiber Spectroscopy. Analytical Chemistry, 2000, 72, 2987-2994.	6.5	37
7	A Renewable Liquid Droplet Method for On-Line Pollution Analysis by Multi-Photon Ionization. Analytical Chemistry, 1997, 69, 2098-2102.	6.5	21
8	Laser Two-Photon Ionization of Pyrene on Contaminated Soils. Analytical Chemistry, 1996, 68, 3359-3363.	6.5	20
9	Optical analytical methods for detection of pesticides. Reviews in Analytical Chemistry, 2011, 30, .	3.2	20
10	Detection and mapping of trace explosives on surfaces under ambient conditions using multiphoton electron extraction spectroscopy (MEES). Talanta, 2016, 155, 235-244.	5.5	19
11	Track Membrane Mediated Electrostatic Introduction of Cluster Ions into TOF Mass Spectrometer. Journal of Physical Chemistry A, 1998, 102, 9470-9475.	2.5	17
12	Fast label-free identification of bacteria by synchronous fluorescence of amino acids. Analytical and Bioanalytical Chemistry, 2021, 413, 6857-6866.	3.7	17
13	Particulate Material Analysis by a Laser Ionization Fast Conductivity Method. Water Content Effects. Analytical Chemistry, 1997, 69, 478-484.	6.5	16
14	ON-LINE SCREENING OF AIRBORNE PAH CONTAMINATION BY SIMULTANEOUS MULTIPHOTON IONIZATION AND LASER INDUCED FLUORESCENCE. Instrumentation Science and Technology, 2000, 28, 131-141.	1.8	15
15	Dental Enamel Caries (Early) Diagnosis and Mapping by Laser Raman Spectral Imaging. Instrumentation Science and Technology, 2008, 36, 235-244.	1.8	13
16	Photoionization Fast-Conductivity Technique for Analysis of Traffic Contaminated Soils. Instrumentation Science and Technology, 1997, 25, 321-333.	1.8	8
17	Detection of time-resolved photoionization currents from pesticide-contaminated vegetation. Israel Journal of Chemistry, 2001, 41, 99-104.	2.3	8
18	Optical Breakdown in Liquid Suspensions and Its Analytical Applications. Advances in Chemistry, 2015, 2015, 1-21.	1.1	8

#	ARTICLE	IF	CITATIONS
19	TOOTH-CARIES EARLY DIAGNOSIS AND MAPPING BY FOURIER TRANSFORM SPECTRAL IMAGING FLUORESCENCE. Instrumentation Science and Technology, 2002, 30, 225-232.	1.8	7
20	Multiphoton electron extraction spectroscopy and its comparison with other spectroscopies for direct detection of solids under ambient conditions. Analytical and Bioanalytical Chemistry, 2016, 408, 8037-8051.	3.7	7
21	Nondestructive Fingerprinting of Ivories Using Fourier Transform Imaging Fluorescence and Raman Spectral Imaging. Instrumentation Science and Technology, 2004, 32, 467-478.	1.8	6
22	EXAMINATION OF ORAL TISSUES BY FOURIER TRANSFORM SPECTRAL IMAGING FLUORESCENCE. Instrumentation Science and Technology, 2001, 29, 11-16.	1.8	5
23	Chemical Imaging for PAH Analysis in Particulate Materials. International Journal of Environmental Analytical Chemistry, 1999, 74, 9-24.	3.3	4
24	Spectral Fluorescence Imaging for Quantitative Diagnosis and Mapping of Dental Fluorosis Affected Tooth Surfaces. Instrumentation Science and Technology, 2004, 32, 579-588.	1.8	4
25	Thermally Activated Electrostatic Injection of Solvated Ions by a Track Membrane Interfaced Vacuum Feedthrough. Analytical Chemistry, 1998, 70, 2213-2217.	6.5	3
26	A NOVEL METHOD FOR DIRECT NONDESTRUCTIVE DIAGNOSIS OF CARIES AFFECTED TOOTH SURFACES BY LASER MULTIPHOTON IONIZATION. Instrumentation Science and Technology, 2010, 38, 143-150.	1.8	3
27	Microscopic Chemical Imaging for Analysis of Polycyclic Aromatic Hydrocarbons in Aerosols.. Analytical Sciences, 1997, 13, 369-372.	1.6	2
28	Cold-Plate Sampling of Internal Combustion Aerosols for Direct Laser Induced Fluorescence Analysis. Instrumentation Science and Technology, 1998, 26, 343-351.	1.8	2
29	Aging effects in analysis of polycyclic aromatic hydrocarbon aerosols. Israel Journal of Chemistry, 2007, 47, 195-204.	2.3	1
30	Identification of bacteria by poly-aromatic hydrocarbon biosensors. Analytical and Bioanalytical Chemistry, 2022, 414, 3153-3160.	3.7	1
31	Foreword by the Guest Editors: Molecular Reaction Dynamics. Israel Journal of Chemistry, 2007, 47, NA-NA.	2.3	0
32	Photochemical Study of Anthracene Crystallites by Fourier Transform Spectroscopic Imaging. Photochemistry and Photobiology, 2001, 74, 780-786.	2.5	0
33	Fourier transform spectral imaging microscopy (FT-SIM) and scanning Raman microscopy for the detection of indoor common contaminants on the surface of dental implants. Talanta, 2015, 134, 514-523.	5.5	0
34	Parchment characterization by multiphoton electron extraction spectrometry. Archaeometry, 2022, 64, 468-482.	1.3	0