

# S Michael Angel

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

840  
citations

623734

14  
h-index

610901

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

552  
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ Determination of Lead in Paint by Laser-Induced Breakdown Spectroscopy Using a Fiber-Optic Probe. <i>Analytical Chemistry</i> , 1996, 68, 977-981.	6.5	119
2	Laser-induced breakdown spectroscopy of bulk aqueous solutions at oceanic pressures: evaluation of key measurement parameters. <i>Applied Optics</i> , 2007, 46, 2507.	2.1	117
3	Remote Raman Spectroscopy for Planetary Exploration: A Review. <i>Applied Spectroscopy</i> , 2012, 66, 137-150.	2.2	105
4	Sequential-Pulse Laser-Induced Breakdown Spectroscopy of High-Pressure Bulk Aqueous Solutions. <i>Applied Spectroscopy</i> , 2007, 61, 171-176.	2.2	91
5	Raman Spectroscopy Using a Spatial Heterodyne Spectrometer: Proof of Concept. <i>Applied Spectroscopy</i> , 2011, 65, 849-857.	2.2	68
6	Laser-Induced Breakdown Spectroscopy of High-Pressure Bulk Aqueous Solutions. <i>Applied Spectroscopy</i> , 2006, 60, 786-790.	2.2	61
7	Underwater measurements using laser induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 328-336.	3.0	34
8	Some new uses for filtered fiber-optic Raman probes: in situ drug identification and in situ and remote Raman imaging. <i>Journal of Raman Spectroscopy</i> , 1999, 30, 795-805.	2.5	31
9	Ultraviolet Stand-off Raman Measurements Using a Gated Spatial Heterodyne Raman Spectrometer. <i>Applied Spectroscopy</i> , 2016, 70, 666-675.	2.2	28
10	Deep-Ultraviolet Raman Measurements Using a Spatial Heterodyne Raman Spectrometer (SHRS). <i>Applied Spectroscopy</i> , 2015, 69, 525-534.	2.2	26
11	Miniature Spatial Heterodyne Raman Spectrometer with a Cell Phone Camera Detector. <i>Applied Spectroscopy</i> , 2017, 71, 988-995.	2.2	25
12	Standoff Laser-Induced Breakdown Spectroscopy (LIBS) Using a Miniature Wide Field of View Spatial Heterodyne Spectrometer with Sub-Microsteradian Collection Optics. <i>Applied Spectroscopy</i> , 2017, 71, 583-590.	2.2	23
13	Transmission Raman Measurements Using a Spatial Heterodyne Raman Spectrometer (SHRS). <i>Applied Spectroscopy</i> , 2017, 71, 250-257.	2.2	16
14	Specific fluorescence determination of lithium ion based on 2-(2-hydroxyphenyl)benzoxazole. <i>Analyst</i> , 2001, 126, 1499-1501.	3.5	15
15	Miniature spatial heterodyne spectrometer for remote laser induced breakdown and Raman spectroscopy using Fresnel collection optics. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 149, 91-98.	2.9	13
16	A Monolithic Spatial Heterodyne Raman Spectrometer: Initial Tests. <i>Applied Spectroscopy</i> , 2021, 75, 57-69.	2.2	12
17	Rapid optimization and minimal complexity in computational neural network multivariate calibration of chlorinated hydrocarbons using Raman spectroscopy. <i>Journal of Chemometrics</i> , 2001, 15, 29-48.	1.3	11
18	Optimizing Data Reduction Procedures in Spatial Heterodyne Raman Spectroscopy with Applications to Planetary Surface Analogs. <i>Applied Spectroscopy</i> , 2018, 72, 933-942.	2.2	10

#	ARTICLE	IF	CITATIONS
19	Oneâ€mirror, oneâ€grating spatial heterodyne spectrometer for remoteâ€sensing Raman spectroscopy. Journal of Raman Spectroscopy, 2020, 51, 1794-1801.	2.5	9
20	Improving Spectral Results Using Row-by-Row Fourier Transform of Spatial Heterodyne Raman Spectrometer Interferogram. Applied Spectroscopy, 2017, 71, 1380-1386.	2.2	7
21	Spatial Heterodyne Raman Spectrometer (SHRS) for In Situ Chemical Sensing Using Sapphire and Silica Optical Fiber Raman Probes. Applied Spectroscopy, 2019, 73, 1160-1171.	2.2	6
22	A demonstration of spatial heterodyne spectrometers for remote LIBS, Raman spectroscopy, and 1D imaging. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 179, 106108.	2.9	5
23	Hyperspectral Raman Imaging Using a Spatial Heterodyne Raman Spectrometer with a Microlens Array. Applied Spectroscopy, 2020, 74, 921-931.	2.2	4
24	Laser-induced breakdown spectroscopy using sequential laser pulses. , 0, , 516-538.		2
25	Detection of Low Lithium Concentrations Usingâ€Laser-Induced Breakdown Spectroscopy (LIBS) in High-Pressure and High-Flow Conditions. Applied Spectroscopy, 2021, 75, 1374-1381.	2.2	2