S Michael Angel

List of Publications by Year
in descending order

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	A Monolithic Spatial Heterodyne Raman Spectrometer: Initial Tests. Applied Spectroscopy, 2021, 75, 57-69.	2.2	12
2	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
3	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
4	Oneâ€mirror, oneâ€grating spatial heterodyne spectrometer for remoteâ€sensing Raman spectroscopy. Journal of Raman Spectroscopy, 2020, 51, 1794-1801.	2.5	9
5	Hyperspectral Raman Imaging Using a Spatial Heterodyne Raman Spectrometer with a Microlens Array. Applied Spectroscopy, 2020, 74, 921-931.	2.2	4
6	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
7	Optimizing Data Reduction Procedures in Spatial Heterodyne Raman Spectroscopy with Applications to Planetary Surface Analogs. Applied Spectroscopy, 2018, 72, 933-942.	2.2	10
8	Miniature spatial heterodyne spectrometer for remote laser induced breakdown and Raman spectroscopy using Fresnel collection optics. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 149, 91-98.	2.9	13
9	Standoff Laser-Induced Breakdown Spectroscopy (LIBS) Using a Miniature Wide Field of View Spatial Heterodyne Spectrometer with Sub-Microsteradian Collection Optics. Applied Spectroscopy, 2017, 71, 583-590.	2.2	23
10	Improving Spectral Results Using Row-by-Row Fourier Transform of Spatial Heterodyne Raman Spectrometer Interferogram. Applied Spectroscopy, 2017, 71, 1380-1386.	2.2	7
11	Transmission Raman Measurements Using a Spatial Heterodyne Raman Spectrometer (SHRS). Applied Spectroscopy, 2017, 71, 250-257.	2.2	16
12	Miniature Spatial Heterodyne Raman Spectrometer with a Cell Phone Camera Detector. Applied Spectroscopy, 2017, 71, 988-995.	2.2	25
13	Ultraviolet Stand-off Raman Measurements Using a Gated Spatial Heterodyne Raman Spectrometer. Applied Spectroscopy, 2016, 70, 666-675.	2.2	28
14	Underwater measurements using laser induced breakdown spectroscopy. Journal of Analytical Atomic Spectrometry, 2016, 31, 328-336.	3.0	34
15	Deep-Ultraviolet Raman Measurements Using a Spatial Heterodyne Raman Spectrometer (SHRS). Applied Spectroscopy, 2015, 69, 525-534.	2.2	26
16	Remote Raman Spectroscopy for Planetary Exploration: A Review. Applied Spectroscopy, 2012, 66, 137-150.	2.2	105
17	Raman Spectroscopy Using a Spatial Heterodyne Spectrometer: Proof of Concept. Applied Spectroscopy, 2011, 65, 849-857.	2.2	68
18	Laser-induced breakdown spectroscopy of bulk aqueous solutions at oceanic pressures: evaluation of key measurement parameters. Applied Optics, 2007, 46, 2507.	2.1	117

#	Article	IF	Citations
19	Sequential-Pulse Laser-Induced Breakdown Spectroscopy of High-Pressure Bulk Aqueous Solutions. Applied Spectroscopy, 2007, 61, 171-176.	2.2	91
20	Laser-Induced Breakdown Spectroscopy of High-Pressure Bulk Aqueous Solutions. Applied Spectroscopy, 2006, 60, 786-790.	2.2	61
21	Specific fluorescence determination of lithium ion based on 2-(2-hydroxyphenyl)benzoxazole. Analyst, The, 2001, 126, 1499-1501.	3.5	15
22	Rapid optimization and minimal complexity in computational neural network multivariate calibration of chlorinated hydrocarbons using Raman spectroscopy. Journal of Chemometrics, 2001, 15, 29-48.	1.3	11
23	Some new uses for filtered fiber-optic Raman probes:in situ drug identification andin situ and remote Raman imaging. Journal of Raman Spectroscopy, 1999, 30, 795-805.	2.5	31
24	In Situ Determination of Lead in Paint by Laser-Induced Breakdown Spectroscopy Using a Fiber-Optic Probe. Analytical Chemistry, 1996, 68, 977-981.	6.5	119
25	Laser-induced breakdown spectroscopy using sequential laser pulses. , 0, , 516-538.		2