

Steve L Allman

List of Publications by Year in descending order

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37
papers

1,305
citations

331670

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377865

34
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37
all docs

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docs citations

37
times ranked

1075
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro-Laser-Induced Breakdown Spectroscopy: A Novel Approach Used in the Detection of Six Rare Earths and One Transition Metal. <i>Minerals</i> (Basel, Switzerland), 2019, 9, 103.	2.0	7
2	Enrichment of Root Endophytic Bacteria from <i>Populus deltoides</i> and Single-Cell-Genomics Analysis. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5698-5708.	3.1	53
3	Surface reflectance degradation by microbial communities. <i>Journal of Building Physics</i> , 2016, 40, 263-277.	2.4	3
4	Quantification of rare earth elements using laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 114, 65-73.	2.9	49
5	Collection of airborne particles by a high-gradient permanent magnetic method. <i>Journal of Aerosol Science</i> , 2014, 77, 1-9.	3.8	7
6	Multiple Single-Cell Genomes Provide Insight into Functions of Uncultured Deltaproteobacteria in the Human Oral Cavity. <i>PLoS ONE</i> , 2013, 8, e59361.	2.5	44
7	Anaerobic High-Throughput Cultivation Method for Isolation of Thermophiles Using Biomass-Derived Substrates. , 2012, 908, 153-168.		11
8	Exploring laser-induced breakdown spectroscopy for nuclear materials analysis and in-situ applications. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 74-75, 177-183.	2.9	70
9	Improved measurement for volatile particles: Vapor-particle separator design and laboratory tests. <i>Review of Scientific Instruments</i> , 2011, 82, 125106.	1.3	1
10	Estimating gas concentration using a microcantilever-based electronic nose. , 2010, 20, 1229-1237.		9
11	<i>Caldicellulosiruptor obsidiansis</i> sp. nov., an Anaerobic, Extremely Thermophilic, Cellulolytic Bacterium Isolated from Obsidian Pool, Yellowstone National Park. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1014-1020.	3.1	91
12	Controlled microfluidic production of alginate beads for in situ encapsulation of microbes. , 2009, , .		5
13	Identification and quantification of components in ternary vapor mixtures using a microelectromechanical-system-based electronic nose. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	8
14	Quantitative analysis of ternary vapor mixtures using a microcantilever-based electronic nose. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	15
15	Miniature sensor suitable for electronic nose applications. <i>Review of Scientific Instruments</i> , 2007, 78, 055101.	1.3	31
16	Matrix-assisted laser desorption/ionization detection of polymerase chain reaction products by utilizing the 5'-3' exonuclease activity of <i>Thermus aquaticus</i> DNA polymerase. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 532-537.	1.5	2
17	Biotin-Enhanced Fragmentation for Direct Deoxyribo-Nucleic Acid Sequencing Using Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2003, 9, 213-219.	1.0	3
18	Nonresonant MALDI of Oligonucleotides: A Mechanism of Ion Desorption. <i>Analytical Chemistry</i> , 2001, 73, 809-812.	6.5	5

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19	MALDI-TOF Mass Spectrometric Method for Detection of Hybridized DNA Oligomers. <i>Analytical Chemistry</i> , 2001, 73, 2126-2131.	6.5	13
20	Detection of trinucleotide expansion in neurodegenerative disease by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Genetic Analysis, Techniques and Applications</i> , 1999, 15, 25-31.	1.5	18
21	Gender Identification by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 1999, 71, 3974-3976.	6.5	12
22	Chemical Cleavage Sequencing of DNA Using Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 1999, 71, 2266-2269.	6.5	27
23	Sequencing DNA using mass spectrometry for ladder detection. <i>Nucleic Acids Research</i> , 1998, 26, 2488-2490.	14.5	61
24	Laser-induced acoustic desorption of electrons and ions. <i>Applied Physics Letters</i> , 1997, 71, 852-854.	3.3	52
25	The Study of 2,3,4-Trihydroxyacetophenone and 2,4,6-Trihydroxyacetophenone as Matrices for DNA Detection in Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 383-388.	1.5	95
26	The Effect of Ammonium Salt and Matrix in the Detection of DNA by Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 1591-1596.	1.5	57
27	MALDI for fast DNA analysis and sequencing. <i>Laboratory Robotics and Automation</i> , 1996, 8, 87-99.	0.2	4
28	Detection of $\Delta F508$ mutation of the cystic fibrosis gene by matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 772-774.	1.5	55
29	Revisit of MALDI for small proteins. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 1315-1320.	1.5	44
30	Matrix-assisted laser desorption/ionization of restriction enzyme-digested DNA. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 183-186.	1.5	33
31	Picolinic acid as a matrix for laser mass spectrometry of nucleic acids and proteins. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 673-677.	1.5	64
32	Detection of 500-nucleotide DNA by laser desorption mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 727-730.	1.5	93
33	ϵ -aminopicolinic acid as a matrix for laser desorption mass spectrometry of biopolymers. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 1001-1006.	1.5	30
34	Matrix-assisted laser desorption ionization of oligonucleotides with various matrices. <i>Rapid Communications in Mass Spectrometry</i> , 1993, 7, 943-948.	1.5	50
35	Quantitative analysis of biopolymers by matrix-assisted laser desorption. <i>Analytical Chemistry</i> , 1993, 65, 2164-2166.	6.5	78
36	Mass spectrometry of laser-desorbed oligonucleotides. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 365-368.	1.5	62

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37	Method for counting noble gas atoms with isotopic selectivity. Reports on Progress in Physics, 1985, 48, 1333-1370.	20.1	43