

Matthew J Linman

List of Publications by Year in descending order

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19
papers

1,044
citations

516710
16
h-index

794594
19
g-index

19
all docs

19
docs citations

19
times ranked

1483
citing authors

#	ARTICLE	IF	CITATIONS
1	New trends in instrumental design for surface plasmon resonance-based biosensors. <i>Biosensors and Bioelectronics</i> , 2011, 26, 1815-1824.	10.1	270
2	Selective detection of gas-phase TNT by integrated optical waveguide spectrometry using molecularly imprinted sol-gel sensing films. <i>Analytica Chimica Acta</i> , 2007, 593, 82-91.	5.4	91
3	Sensitivity comparison of surface plasmon resonance and plasmon-waveguide resonance biosensors. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 169-175.	7.8	86
4	Surface Plasmon Resonance Study of Protein-Carbohydrate Interactions Using Biotinylated Sialosides. <i>Analytical Chemistry</i> , 2008, 80, 4007-4013.	6.5	81
5	Regenerable Tethered Bilayer Lipid Membrane Arrays for Multiplexed Label-Free Analysis of Lipid-Protein Interactions on Poly(dimethylsiloxane) Microchips Using SPR Imaging. <i>Analytical Chemistry</i> , 2009, 81, 1146-1153.	6.5	78
6	Interface design and multiplexed analysis with surface plasmon resonance (SPR) spectroscopy and SPR imaging. <i>Analyst</i> , 2010, 135, 2759.	3.5	67
7	Highly Sensitive Detection of Protein Toxins by Surface Plasmon Resonance with Biotinylation-Based Inline Atom Transfer Radical Polymerization Amplification. <i>Analytical Chemistry</i> , 2010, 82, 3679-3685.	6.5	57
8	CHCA-modified Au nanoparticles for laser desorption/ionization mass spectrometric analysis of peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 1530-1539.	2.8	50
9	Detection of low levels of <i>Escherichia coli</i> in fresh spinach by surface plasmon resonance spectroscopy with a TMB-based enzymatic signal enhancement method. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 613-619.	7.8	47
10	Ultrathin Calcinated Films on a Gold Surface for Highly Effective Laser Desorption/Ionization of Biomolecules. <i>Analytical Chemistry</i> , 2010, 82, 5088-5094.	6.5	39
11	Patterned Resonance Plasmonic Microarrays for High-Performance SPR Imaging. <i>Analytical Chemistry</i> , 2011, 83, 3147-3152.	6.5	39
12	The safety evaluation of food flavoring substances: the role of genotoxicity studies. <i>Critical Reviews in Toxicology</i> , 2020, 50, 1-27.	3.9	32
13	Fabrication and Characterization of a Sialoside-Based Carbohydrate Microarray Biointerface for Protein Binding Analysis with Surface Plasmon Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1755-1762.	8.0	28
14	Fabrication of Fracture-Free Nanoglassified Substrates by Layer-by-Layer Deposition with a Paint Gun Technique for Real-Time Monitoring of Protein-Lipid Interactions. <i>Langmuir</i> , 2009, 25, 3075-3082.	3.5	23
15	Development of Air-Stable, Supported Membrane Arrays with Photolithography for Study of Phosphoinositide-Protein Interactions Using Surface Plasmon Resonance Imaging. <i>Analytical Chemistry</i> , 2008, 80, 6397-6404.	6.5	22
16	Etched Glass Microarrays with Differential Resonance for Enhanced Contrast and Sensitivity of Surface Plasmon Resonance Imaging Analysis. <i>Analytical Chemistry</i> , 2011, 83, 5936-5943.	6.5	19
17	Unobstructed electron transfer on porous polyelectrolyte nanostructures and its characterization by electrochemical surface plasmon resonance. <i>Electrochimica Acta</i> , 2010, 55, 4468-4474.	5.2	7
18	Surface Plasmon Resonance Imaging Analysis of Protein Binding to a Sialoside-Based Carbohydrate Microarray. <i>Methods in Molecular Biology</i> , 2012, 808, 183-194.	0.9	6

#	ARTICLE	IF	CITATIONS
19	Surface Plasmon Resonance: New Biointerface Designs and High-Throughput Affinity Screening. Springer Series on Chemical Sensors and Biosensors, 2010, , 133-153.	0.5	2