

Michael J Tarlov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11275708/publications.pdf>

Version: 2024-02-01

53
papers

8,159
citations

126708

33
h-index

182168

51
g-index

53
all docs

53
docs citations

53
times ranked

7700
citing authors

#	ARTICLE	IF	CITATIONS
1	Absolute Quantification Method for Protein Concentration. <i>Analytical Chemistry</i> , 2014, 86, 12130-12137.	3.2	13
2	Competitive adsorption-desorption of IgM monomers-dimers on silica and modified silica surfaces. <i>Journal of Colloid and Interface Science</i> , 2013, 402, 291-299.	5.0	2
3	Characterization of Polydopamine Thin Films Deposited at Short Times by Autoxidation of Dopamine. <i>Langmuir</i> , 2013, 29, 8619-8628.	1.6	739
4	Quantifying Ligand Adsorption to Nanoparticles Using Tandem Differential Mobility Mass Analysis. <i>Analytical Chemistry</i> , 2012, 84, 6308-6311.	3.2	26
5	Electrospray-Differential Mobility Analysis as an Orthogonal Tool to Size-Exclusion Chromatography for Characterization of Protein Aggregates. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 1985-1994.	1.6	9
6	Protein adsorption-desorption on electrospray capillary walls - No influence on aggregate distribution. <i>Journal of Colloid and Interface Science</i> , 2012, 377, 476-484.	5.0	11
7	Electrospray-differential mobility analysis of bionanoparticles. <i>Trends in Biotechnology</i> , 2012, 30, 291-300.	4.9	80
8	Physical Characterization of Icosahedral Virus Ultra Structure, Stability, and Integrity Using Electrospray Differential Mobility Analysis. <i>Analytical Chemistry</i> , 2011, 83, 1753-1759.	3.2	26
9	Method for Determining the Absolute Number Concentration of Nanoparticles from Electrospray Sources. <i>Langmuir</i> , 2011, 27, 14732-14739.	1.6	39
10	Characterizing the Adsorption of Proteins on Glass Capillary Surfaces Using Electrospray-Differential Mobility Analysis. <i>Langmuir</i> , 2011, 27, 13008-13014.	1.6	8
11	Evaluation of electrospray differential mobility analysis for virus particle analysis: Potential applications for biomanufacturing. <i>Journal of Virological Methods</i> , 2011, 178, 201-208.	1.0	21
12	Quantification and Compensation of Nonspecific Analyte Aggregation in Electrospray Sampling. <i>Aerosol Science and Technology</i> , 2011, 45, 849-860.	1.5	34
13	Packing and Size Determination of Colloidal Nanoclusters. <i>Langmuir</i> , 2010, 26, 11384-11390.	1.6	37
14	Probing the Nucleus Model for Oligomer Formation during Insulin Amyloid Fibrillogenesis. <i>Biophysical Journal</i> , 2010, 99, 3979-3985.	0.2	53
15	Characterization of Gold Nanoparticles Modified with Single-Stranded DNA Using Analytical Ultracentrifugation and Dynamic Light Scattering. <i>Langmuir</i> , 2010, 26, 12740-12747.	1.6	47
16	Quantitative characterization of virus-like particles by asymmetrical flow field flow fractionation, electrospray differential mobility analysis, and transmission electron microscopy. <i>Biotechnology and Bioengineering</i> , 2009, 102, 845-855.	1.7	104
17	Length Distribution of Single-Walled Carbon Nanotubes in Aqueous Suspension Measured by Electrospray Differential Mobility Analysis. <i>Small</i> , 2009, 5, 2894-2901.	5.2	40
18	Selective Binding of RNase B Glycoforms by Polydopamine-Immobilized Concanavalin A. <i>Analytical Chemistry</i> , 2009, 81, 5413-5420.	3.2	57

#	ARTICLE	IF	CITATIONS
19	Determination of protein aggregation with differential mobility analysis: Application to IgG antibody. <i>Biotechnology and Bioengineering</i> , 2008, 101, 1214-1222.	1.7	113
20	A consensus rating method for small virus-retentive filters. I. Method development. <i>PDA Journal of Pharmaceutical Science and Technology</i> , 2008, 62, 318-33.	0.3	17
21	Independent control of grafting density and conformation of single-stranded DNA brushes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9-14.	3.3	204
22	Quantifying the Surface Coverage of Conjugate Molecules on Functionalized Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17155-17157.	1.5	62
23	Synthesis and Structural Characterization of Glucopyranosylamide Films on Gold. <i>Langmuir</i> , 2007, 23, 700-707.	1.6	18
24	Adsorption Behavior of DNA-Wrapped Carbon Nanotubes on Self-Assembled Monolayer Surfaces. <i>Langmuir</i> , 2007, 23, 6252-6256.	1.6	27
25	Hydrogel-Immobilized Antibodies for Microfluidic Immunoassays: <I>Hydrogel Immunoassay</I>. , 2006, 321, 83-96.		4
26	Nucleobase Orientation and Ordering in Films of Single-Stranded DNA on Gold. <i>Journal of the American Chemical Society</i> , 2006, 128, 2-3.	6.6	153
27	Alkanethiols on Platinum: Multicomponent Self-Assembled Monolayers. <i>Langmuir</i> , 2006, 22, 2578-2587.	1.6	113
28	Electrochemical study of chitosan films deposited from solution at reducing potentials. <i>Electrochimica Acta</i> , 2006, 51, 5324-5333.	2.6	109
29	New technique for visualizing microboiling phenomena and its application to water pulse heated by a thin metal film. <i>Review of Scientific Instruments</i> , 2006, 77, 063706.	0.6	23
30	Nanosecond Imaging of Microboiling Behavior on Pulsed-Heated Au Films Modified with Hydrophilic and Hydrophobic Self-Assembled Monolayers. <i>Langmuir</i> , 2005, 21, 10459-10467.	1.6	34
31	Atmospheric pressure microplasmas for modifying sealed microfluidic devices. <i>Applied Physics Letters</i> , 2004, 84, 1668-1670.	1.5	53
32	DNA Displacement Assay Integrated into Microfluidic Channels. <i>Analytical Chemistry</i> , 2004, 76, 3655-3659.	3.2	30
33	DNA Hybridization Assays Using Temperature Gradient Focusing and Peptide Nucleic Acids. <i>Journal of the American Chemical Society</i> , 2004, 126, 13474-13479.	6.6	42
34	Quantitative Characterization of DNA Films by X-ray Photoelectron Spectroscopy. <i>Langmuir</i> , 2004, 20, 429-440.	1.6	185
35	UV Craft Polymerization of Polyacrylamide Hydrogel Plugs in Microfluidic Channels. <i>Langmuir</i> , 2003, 19, 6901-6904.	1.6	33
36	Quantitative Analysis and Characterization of DNA Immobilized on Gold. <i>Journal of the American Chemical Society</i> , 2003, 125, 5219-5226.	6.6	377

#	ARTICLE	IF	CITATIONS
37	Base-Dependent Competitive Adsorption of Single-Stranded DNA on Gold. Journal of the American Chemical Society, 2003, 125, 9014-9015.	6.6	437
38	Effect of Surface Wettability on Fast Transient Microboiling Behavior. Langmuir, 2003, 19, 6168-6177.	1.6	53
39	Immobilization of DNA Hydrogel Plugs in Microfluidic Channels. Analytical Chemistry, 2002, 74, 1436-1441.	3.2	102
40	Detection of Viable <i>Cryptosporidium parvum</i> Using DNA-Modified Liposomes in a Microfluidic Chip. Analytical Chemistry, 2001, 73, 2952-2958.	3.2	79
41	Electrostatic Interactions of Redox Cations with Surface-Immobilized and Solution DNA. Bioconjugate Chemistry, 1999, 10, 419-423.	1.8	98
42	Electrochemical Quantitation of DNA Immobilized on Gold. Analytical Chemistry, 1998, 70, 4670-4677.	3.2	1,250
43	Using Self-Assembly To Control the Structure of DNA Monolayers on Gold: A Neutron Reflectivity Study. Journal of the American Chemical Society, 1998, 120, 9787-9792.	6.6	648
44	Observation of Hybridization and Dehybridization of Thiol-Tethered DNA Using Two-Color Surface Plasmon Resonance Spectroscopy. Journal of the American Chemical Society, 1997, 119, 3401-3402.	6.6	469
45	Characterization of DNA Probes Immobilized on Gold Surfaces. Journal of the American Chemical Society, 1997, 119, 8916-8920.	6.6	1,414
46	Surface plasmon microscopy of biotin-streptavidin binding reactions on UV-photopatterned alkanethiol self-assembled monolayers. Supramolecular Science, 1995, 2, 99-106.	0.7	63
47	Proper credit. Nature Biotechnology, 1994, 12, 745-745.	9.4	0
48	Patterning of self-assembled alkanethiol monolayers on silver by microfocus ion and electron beam bombardment. Applied Physics Letters, 1994, 65, 534-536.	1.5	57
49	Static SIMS and XPS study of water plasma exposed tin oxide films. Applied Surface Science, 1993, 64, 115-125.	3.1	9
50	UV photopatterning of alkanethiolate monolayers self-assembled on gold and silver. Journal of the American Chemical Society, 1993, 115, 5305-5306.	6.6	353
51	Static secondary ion mass spectrometry of self-assembled alkanethiol monolayers on gold. Langmuir, 1992, 8, 1398-1405.	1.6	163
52	Surface characterization of radio frequency water plasma treated and annealed polycrystalline tin oxide thin films. Chemistry of Materials, 1990, 2, 49-60.	3.2	14
53	Adsorption of metal cations from aqueous solution onto tin oxide thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1987, 5, 941-943.	0.9	7