Angelika Niemz

List of Publications by Year
in descending order

31 papers	2,529 citations	377584 21 h-index	536525 29 g-index
33 all docs	33 docs citations	33 times ranked	3886 citing authors

#	Article	IF	Citations
1	Integrated nucleic acid testing system to enable TB diagnosis in peripheral settings. Lab on A Chip, 2020, 20, 4071-4081.	3.1	9
2	Pilot study of a rapid and minimally instrumented sputum sample preparation method for molecular diagnosis of tuberculosis. Scientific Reports, 2016, 6, 19541.	1.6	14
3	JALA Special Issue. Journal of the Association for Laboratory Automation, 2015, 20, 517-518.	2.8	0
4	Sepsis Pathogen Identification. Journal of the Association for Laboratory Automation, 2015, 20, 539-561.	2.8	45
5	Diagnosis and Management of Hepatitis C Virus Infection. Journal of the Association for Laboratory Automation, 2015, 20, 519-538.	2.8	32
6	Raman system for sensitive and selective identification of volatile organic compounds. Sensors and Actuators B: Chemical, 2015, 220, 491-499.	4.0	16
7	Technology in MicroRNA Profiling: Circulating MicroRNAs as Noninvasive Cancer Biomarkers in Breast Cancer. Journal of the Association for Laboratory Automation, 2015, 20, 574-588.	2.8	42
8	System for portable nucleic acid testing in low resource settings. , 2013, , .		6
9	DNA Adsorption to and Elution from Silica Surfaces: Influence of Amino Acid Buffers. Journal of Physical Chemistry B, 2013, 117, 10742-10749.	1.2	42
10	Disposable miniature check valve design suitable for scalable manufacturing. Sensors and Actuators A: Physical, 2013, 203, 76-81.	2.0	5
11	Simple System for Isothermal DNA Amplification Coupled to Lateral Flow Detection. PLoS ONE, 2013, 8, e69355.	1.1	73
12	Sequence dependence of isothermal DNA amplification via EXPAR. Nucleic Acids Research, 2012, 40, e87-e87.	6.5	96
13	Nucleic acid testing for tuberculosis at the point-of-care in high-burden countries. Expert Review of Molecular Diagnostics, 2012, 12, 687-701.	1.5	66
14	Multiphasic DNA Adsorption to Silica Surfaces under Varying Buffer, pH, and Ionic Strength Conditions. Journal of Physical Chemistry B, 2012, 116, 5661-5670.	1.2	92
15	Point-of-care nucleic acid testing for infectious diseases. Trends in Biotechnology, 2011, 29, 240-250.	4.9	688
16	Mechanical Disruption of Lysis-Resistant Bacterial Cells by Use of a Miniature, Low-Power, Disposable Device. Journal of Clinical Microbiology, 2011, 49, 2533-2539.	1.8	96
17	Specific versus Nonspecific Isothermal DNA Amplification through Thermophilic Polymerase and Nicking Enzyme Activities. Biochemistry, 2008, 47, 9987-9999.	1.2	171
18	Isothermal DNA Amplification with Gold Nanosphere-Based Visual Colorimetric Readout for Herpes Simplex Virus Detection. Clinical Chemistry, 2007, 53, 2017-2020.	1.5	56

#	Article	IF	Citations
19	Fabrication of Nanoporous Templates from Diblock Copolymer Thin Films on Alkylchlorosilane-Neutralized Surfaces. Langmuir, 2006, 22, 11092-11096.	1.6	23
20	Deposition of DNA-Functionalized Gold Nanospheres into Nanoporous Surfaces. Langmuir, 2006, 22, 4978-4984.	1.6	20
21	Isothermal DNA Amplification Coupled with DNA Nanosphere-Based Colorimetric Detection. Analytical Chemistry, 2005, 77, 7984-7992.	3.2	99
22	Self-Association and Membrane-Binding Behavior of Melittins Containing Trifluoroleucine. Journal of the American Chemical Society, 2001, 123, 7407-7413.	6.6	88
23	Divergent Surface Functionalization Using Acid Fluoride-Functionalized Self-Assembled Monolayers. Langmuir, 2000, 16, 1460-1462.	1.6	15
24	Electron Confinement in Structurally Constrained Ïƒ-Bonded Ï€-Systems. An Experimental and Density Functional Investigation. Journal of the American Chemical Society, 2000, 122, 4798-4802.	6.6	5
25	From Enzyme to Molecular Device. Exploring the Interdependence of Redox and Molecular Recognition. Accounts of Chemical Research, 1999, 32, 44-52.	7.6	259
26	Control of One- versus Two-Electron Reduction of Ubiquinone via Redox-Dependent Recognition. Journal of the American Chemical Society, 1999, 121, 266-267.	6.6	41
27	Synthesis and intramolecular charge-transfer properties of new tetrathiafulvaleneâ€“Ïƒ-tetracyanoanthraquinodimethane diad (TTFâ€“Ïƒ-TCNAQ) and triad (TTFâ€“Ïƒ-TCNAQâ€“Ïƒ-TTF) molecules. Journal of Materials Chemistry, 1998, 8, 71-76.	6.6	36
28	Electrochemical Control of Recognition Processes. A Three-Component Molecular Switch. Journal of the American Chemical Society, 1997, 119, 10863-10864.	6.6	69
29	Model Systems for Flavoenzyme Activity:Â One- and Two-Electron Reduction of Flavins in Aprotic Hydrophobic Environments. Journal of the American Chemical Society, 1997, 119, 887-892.	6.6	140
30	Model systems for flavoenzyme activity. The effects of specific hydrogen bonds on the13C and1H NMR of flavins. , 1996, 9, 158-162.		15
31	Model Systems for Flavoenzyme Activity. Stabilization of the Flavin Radical Anion through Specific Hydrogen Bond Interactions. Journal of the American Chemical Society, 1995, 117, 5379-5380.	6.6	168