

Angelika Niemz

List of Publications by Year in descending order

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31
papers

2,529
citations

331670

21
h-index

477307

29
g-index

33
all docs

33
docs citations

33
times ranked

3476
citing authors

#	ARTICLE	IF	CITATIONS
1	Point-of-care nucleic acid testing for infectious diseases. <i>Trends in Biotechnology</i> , 2011, 29, 240-250.	9.3	688
2	From Enzyme to Molecular Device. Exploring the Interdependence of Redox and Molecular Recognition. <i>Accounts of Chemical Research</i> , 1999, 32, 44-52.	15.6	259
3	Specific versus Nonspecific Isothermal DNA Amplification through Thermophilic Polymerase and Nicking Enzyme Activities. <i>Biochemistry</i> , 2008, 47, 9987-9999.	2.5	171
4	Model Systems for Flavoenzyme Activity. Stabilization of the Flavin Radical Anion through Specific Hydrogen Bond Interactions. <i>Journal of the American Chemical Society</i> , 1995, 117, 5379-5380.	13.7	168
5	Model Systems for Flavoenzyme Activity: One- and Two-Electron Reduction of Flavins in Aprotic Hydrophobic Environments. <i>Journal of the American Chemical Society</i> , 1997, 119, 887-892.	13.7	140
6	Isothermal DNA Amplification Coupled with DNA Nanosphere-Based Colorimetric Detection. <i>Analytical Chemistry</i> , 2005, 77, 7984-7992.	6.5	99
7	Mechanical Disruption of Lysis-Resistant Bacterial Cells by Use of a Miniature, Low-Power, Disposable Device. <i>Journal of Clinical Microbiology</i> , 2011, 49, 2533-2539.	3.9	96
8	Sequence dependence of isothermal DNA amplification via EXPAR. <i>Nucleic Acids Research</i> , 2012, 40, e87-e87.	14.5	96
9	Multiphasic DNA Adsorption to Silica Surfaces under Varying Buffer, pH, and Ionic Strength Conditions. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5661-5670.	2.6	92
10	Self-Association and Membrane-Binding Behavior of Melittins Containing Trifluoroleucine. <i>Journal of the American Chemical Society</i> , 2001, 123, 7407-7413.	13.7	88
11	Simple System for Isothermal DNA Amplification Coupled to Lateral Flow Detection. <i>PLoS ONE</i> , 2013, 8, e69355.	2.5	73
12	Electrochemical Control of Recognition Processes. A Three-Component Molecular Switch. <i>Journal of the American Chemical Society</i> , 1997, 119, 10863-10864.	13.7	69
13	Nucleic acid testing for tuberculosis at the point-of-care in high-burden countries. <i>Expert Review of Molecular Diagnostics</i> , 2012, 12, 687-701.	3.1	66
14	Isothermal DNA Amplification with Gold Nanosphere-Based Visual Colorimetric Readout for Herpes Simplex Virus Detection. <i>Clinical Chemistry</i> , 2007, 53, 2017-2020.	3.2	56
15	Sepsis Pathogen Identification. <i>Journal of the Association for Laboratory Automation</i> , 2015, 20, 539-561.	2.8	45
16	DNA Adsorption to and Elution from Silica Surfaces: Influence of Amino Acid Buffers. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10742-10749.	2.6	42
17	Technology in MicroRNA Profiling: Circulating MicroRNAs as Noninvasive Cancer Biomarkers in Breast Cancer. <i>Journal of the Association for Laboratory Automation</i> , 2015, 20, 574-588.	2.8	42
18	Control of One- versus Two-Electron Reduction of Ubiquinone via Redox-Dependent Recognition. <i>Journal of the American Chemical Society</i> , 1999, 121, 266-267.	13.7	41

#	ARTICLE	IF	CITATIONS
19	Synthesis and intramolecular charge-transfer properties of new tetrathiafulvalene- π -tetracyanoanthraquinodimethane diad (TTF-TCNAQ) and triad (TTF-TCNAQ- π -TTF) molecules. <i>Journal of Materials Chemistry</i> , 1998, 8, 71-76.		36
20	Diagnosis and Management of Hepatitis C Virus Infection. <i>Journal of the Association for Laboratory Automation</i> , 2015, 20, 519-538.	2.8	32
21	Fabrication of Nanoporous Templates from Diblock Copolymer Thin Films on Alkylchlorosilane-Neutralized Surfaces. <i>Langmuir</i> , 2006, 22, 11092-11096.	3.5	23
22	Deposition of DNA-Functionalized Gold Nanospheres into Nanoporous Surfaces. <i>Langmuir</i> , 2006, 22, 4978-4984.	3.5	20
23	Raman system for sensitive and selective identification of volatile organic compounds. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 491-499.	7.8	16
24	Model systems for flavoenzyme activity. The effects of specific hydrogen bonds on the ^{13}C and ^1H NMR of flavins. , 1996, 9, 158-162.		15
25	Divergent Surface Functionalization Using Acid Fluoride-Functionalized Self-Assembled Monolayers. <i>Langmuir</i> , 2000, 16, 1460-1462.	3.5	15
26	Pilot study of a rapid and minimally instrumented sputum sample preparation method for molecular diagnosis of tuberculosis. <i>Scientific Reports</i> , 2016, 6, 19541.	3.3	14
27	Integrated nucleic acid testing system to enable TB diagnosis in peripheral settings. <i>Lab on A Chip</i> , 2020, 20, 4071-4081.	6.0	9
28	System for portable nucleic acid testing in low resource settings. , 2013, , .		6
29	Electron Confinement in Structurally Constrained π -Bonded π -Systems. An Experimental and Density Functional Investigation. <i>Journal of the American Chemical Society</i> , 2000, 122, 4798-4802.	13.7	5
30	Disposable miniature check valve design suitable for scalable manufacturing. <i>Sensors and Actuators A: Physical</i> , 2013, 203, 76-81.	4.1	5
31	JALA Special Issue. <i>Journal of the Association for Laboratory Automation</i> , 2015, 20, 517-518.	2.8	0