

Till T Bachmann

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/536521/publications.pdf>

Version: 2024-02-01

23
papers

692
citations

759233

12
h-index

752698

20
g-index

26
all docs

26
docs citations

26
times ranked

1171
citing authors

#	ARTICLE	IF	CITATIONS
1	Developmental roadmap for antimicrobial susceptibility testing systems. <i>Nature Reviews Microbiology</i> , 2019, 17, 51-62.	28.6	190
2	Synthetic Biology Enables Programmable Cell-Based Biosensors. <i>ChemPhysChem</i> , 2020, 21, 132-144.	2.1	94
3	Development of immunosensors for direct detection of three wound infection biomarkers at point of care using electrochemical impedance spectroscopy. <i>Biosensors and Bioelectronics</i> , 2012, 31, 413-418.	10.1	89
4	Label- and amplification-free electrochemical detection of bacterial ribosomal RNA. <i>Biosensors and Bioelectronics</i> , 2016, 81, 487-494.	10.1	42
5	Impedimetric detection of single-stranded PCR products derived from methicillin resistant <i>Staphylococcus aureus</i> (MRSA) isolates. <i>Biosensors and Bioelectronics</i> , 2012, 34, 178-184.	10.1	41
6	Rapid Electrochemical Detection of New Delhi Metallo-beta-lactamase Genes To Enable Point-of-Care Testing of Carbapenem-Resistant Enterobacteriaceae. <i>Analytical Chemistry</i> , 2015, 87, 7738-7745.	6.5	39
7	The successful uptake and sustainability of rapid infectious disease and antimicrobial resistance point-of-care testing requires a complex "mix-and-match" implementation package. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 1015-1022.	2.9	36
8	Carbon screen-printed electrodes on ceramic substrates for label-free molecular detection of antibiotic resistance. <i>Journal of Interdisciplinary Nanomedicine</i> , 2016, 1, 93-109.	3.6	26
9	Laser Ablation of Poly(lactic acid) Sheets for the Rapid Prototyping of Sustainable, Single-Use, Disposable Medical Microcomponents. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4899-4908.	6.7	26
10	Antibiotic Resistance Profiles and Molecular Characteristics of Extended-Spectrum Beta-Lactamase (ESBL)-Producing <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> Isolated From Shrimp Aquaculture Farms in Kerala, India. <i>Frontiers in Microbiology</i> , 2021, 12, 622891.	3.5	21
11	Sensors for Fetal Hypoxia and Metabolic Acidosis: A Review. <i>Sensors</i> , 2018, 18, 2648.	3.8	17
12	Proximity sensitive detection of microRNAs using electrochemical impedance spectroscopy biosensors. <i>Biosensors and Bioelectronics</i> , 2022, 212, 114404.	10.1	16
13	Synthetic Biology Enables Programmable Cell-Based Biosensors. <i>ChemPhysChem</i> , 2020, 21, 131-131.	2.1	9
14	Temperature-Enhanced <i>mcr-1</i> Colistin Resistance Gene Detection with Electrochemical Impedance Spectroscopy Biosensors. <i>Analytical Chemistry</i> , 2021, 93, 6025-6033.	6.5	9
15	A Microelectrode Array with Reproducible Performance Shows Loss of Consistency Following Functionalization with a Self-Assembled 6-Mercapto-1-hexanol Layer. <i>Sensors</i> , 2018, 18, 1891.	3.8	7
16	Antimicrobial resistance in patients with suspected urinary tract infections in primary care in Assam, India. <i>JAC-Antimicrobial Resistance</i> , 2021, 3, dlab164.	2.1	6
17	Microfluidic system for near-patient extraction and detection of miR-122 microRNA biomarker for drug-induced liver injury diagnostics. <i>Biomicrofluidics</i> , 2022, 16, 024108.	2.4	6
18	Genotypic assessment of drug-resistant tuberculosis in Baghdad and other Iraqi provinces using low-cost and low-density DNA microarrays. <i>Journal of Medical Microbiology</i> , 2016, 65, 114-122.	1.8	5

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19	Antimicrobial resistance diagnostics: time to call in the young?. Lancet Infectious Diseases, The, 2016, 16, 519-521.	9.1	3
20	Bait-and-Switch Molecular Recognition in Nucleic Acid Sensors: Time-Resolved Fluorescence, Single Nucleotide Polymorphism Detection. , 2009, , .		1
21	Label-Free Electrochemical Sensor for Rapid Bacterial Pathogen Detection Using Vancomycin-Modified Highly Branched Polymers. Sensors, 2021, 21, 1872.	3.8	1
22	10.1063/1.3604395.1. , 2011, , .		1
23	Woman With Swelling of the Left Breast. Annals of Emergency Medicine, 2017, 70, 621-647.	0.6	0