

Till T Bachmann

List of Publications by Year in descending order

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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	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
2	Proximity sensitive detection of microRNAs using electrochemical impedance spectroscopy biosensors. <i>Biosensors and Bioelectronics</i> , 2022, 212, 114404.	10.1	16
3	Label-Free Electrochemical Sensor for Rapid Bacterial Pathogen Detection Using Vancomycin-Modified Highly Branched Polymers. <i>Sensors</i> , 2021, 21, 1872.	3.8	1
4	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
5	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
6	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
7	Synthetic Biology Enables Programmable Cell-Based Biosensors. <i>ChemPhysChem</i> , 2020, 21, 132-144.	2.1	94
8	Synthetic Biology Enables Programmable Cell-Based Biosensors. <i>ChemPhysChem</i> , 2020, 21, 131-131.	2.1	9
9	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
10	Developmental roadmap for antimicrobial susceptibility testing systems. <i>Nature Reviews Microbiology</i> , 2019, 17, 51-62.	28.6	190
11	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
12	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
13	Sensors for Fetal Hypoxia and Metabolic Acidosis: A Review. <i>Sensors</i> , 2018, 18, 2648.	3.8	17
14	Woman With Swelling of the Left Breast. <i>Annals of Emergency Medicine</i> , 2017, 70, 621-647.	0.6	0
15	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
16	Antimicrobial resistance diagnostics: time to call in the young?. <i>Lancet Infectious Diseases</i> , The, 2016, 16, 519-521.	9.1	3
17	Label- and amplification-free electrochemical detection of bacterial ribosomal RNA. <i>Biosensors and Bioelectronics</i> , 2016, 81, 487-494.	10.1	42
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	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
20	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
21	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
22	10.1063/1.3604395.1., 2011,,.		1
23	Bait-and-Switch Molecular Recognition in Nucleic Acid Sensors: Time-Resolved Fluorescence, Single Nucleotide Polymorphism Detection., 2009,,.		1