

# Albert E Parker

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

645  
citations

623734

14  
h-index

610901

24  
g-index

40  
all docs

40  
docs citations

40  
times ranked

808  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interlaboratory evaluations of a standardized quantitative test method for determining the bactericidal and tuberculocidal efficacy of antimicrobial substances on hard non-porous surfaces. <i>Journal of Microbiological Methods</i> , 2022, 196, 106460.	1.6	2
2	Harvesting and Disaggregation: An Overlooked Step in Biofilm Methods Research. <i>Journal of Visualized Experiments</i> , 2022, , .	0.3	0
3	Attraction, Entrance, and Passage Efficiency of Arctic Grayling, Trout, and Suckers at Denil Fishways in the Big Hole River Basin, Montana. <i>Transactions of the American Fisheries Society</i> , 2022, 151, 453-473.	1.4	4
4	Interlaboratory study for the evaluation of three microtiter plate-based biofilm quantification methods. <i>Scientific Reports</i> , 2021, 11, 13779.	3.3	24
5	Investigation of Raman Spectroscopic Signatures with Multivariate Statistics: An Approach for Cataloguing Microbial Biosignatures. <i>Astrobiology</i> , 2021, , .	3.0	2
6	Evaluation of the Antimicrobial Efficacy of N-Acetyl-L-Cysteine, Rhamnolipids, and Usnic Acid as Novel Approaches to Fight Food-Borne Pathogens. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11307.	4.1	5
7	Experimental Designs to Study the Aggregation and Colonization of Biofilms by Video Microscopy With Statistical Confidence. <i>Frontiers in Microbiology</i> , 2021, 12, 785182.	3.5	3
8	Activity-based cell sorting reveals responses of uncultured archaea and bacteria to substrate amendment. <i>ISME Journal</i> , 2020, 14, 2851-2861.	9.8	40
9	Investigation of the role of infusate properties related to midline catheter failure in an ovine model. <i>American Journal of Health-System Pharmacy</i> , 2020, 77, 1336-1346.	1.0	12
10	Drip flow reactor method exhibits excellent reproducibility based on a 10-laboratory collaborative study. <i>Journal of Microbiological Methods</i> , 2020, 174, 105963.	1.6	10
11	Systematic Statistical Analysis of Microbial Data from Dilution Series. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2020, 25, 339-364.	1.4	7
12	High spatiotemporal variability of bacterial diversity over short time scales with unique hydrochemical associations within a shallow aquifer. <i>Water Research</i> , 2019, 164, 114917.	11.3	23
13	Nursing preference for alcohol-based hand rub volume. <i>Infection Control and Hospital Epidemiology</i> , 2019, 40, 1248-1252.	1.8	6
14	Development, standardization, and validation of a biofilm efficacy test: The single tube method. <i>Journal of Microbiological Methods</i> , 2019, 165, 105694.	1.6	21
15	Quorum sensing inhibition as a promising method to control biofilm growth in metalworking fluids. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 1103-1111.	3.0	12
16	Measuring Antimicrobial Efficacy against Biofilms: a Meta-analysis. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	17
17	Who goes in and out of patient rooms? An observational study of room entries and exits in the acute care setting. <i>American Journal of Infection Control</i> , 2019, 47, 585-587.	2.3	9
18	Polynomial Accelerated Solutions to a Large Gaussian Model for Imaging Biofilms: In Theory and Finite Precision. <i>Journal of the American Statistical Association</i> , 2018, 113, 1431-1442.	3.1	5

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19	Inactivation of <i>Pseudomonas aeruginosa</i> biofilms formed under high shear stress on various hydrophilic and hydrophobic surfaces by a continuous flow of ozonated water. <i>Biofouling</i> , 2018, 34, 826-834.	2.2	8
20	Community Engaged Cumulative Risk Assessment of Exposure to Inorganic Well Water Contaminants, Crow Reservation, Montana. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 76.	2.6	35
21	How long is enough? Identification of product dry-time as a primary driver of alcohol-based hand rub efficacy. <i>Antimicrobial Resistance and Infection Control</i> , 2018, 7, 65.	4.1	19
22	Reproducibility of antimicrobial test methods. <i>Scientific Reports</i> , 2018, 8, 12531.	3.3	26
23	Surface micropattern reduces colonization and medical device-associated infections. <i>Journal of Medical Microbiology</i> , 2017, 66, 1692-1698.	1.8	18
24	Micropatterned Endotracheal Tubes Reduce Secretion-Related Lumen Occlusion. <i>Annals of Biomedical Engineering</i> , 2016, 44, 3645-3654.	2.5	19
25	Use of Statistical Modeling to Reassess the Performance Standard for the AOAC Use-Dilution Methods (955.15 and 964.02). <i>Journal of AOAC INTERNATIONAL</i> , 2014, 97, 68-77.	1.5	3
26	A Statistical Model for Assessing Performance Standards for Quantitative and Semiquantitative Disinfectant Test Methods. <i>Journal of AOAC INTERNATIONAL</i> , 2014, 97, 58-67.	1.5	7
27	The relative influences of product volume, delivery format and alcohol concentration on dry-time and efficacy of alcohol-based hand rubs. <i>BMC Infectious Diseases</i> , 2014, 14, 511.	2.9	40
28	Physiological and Proteomic Analysis of <i>Escherichia coli</i> Iron-Limited Chemostat Growth. <i>Journal of Bacteriology</i> , 2014, 196, 2748-2761.	2.2	69
29	Micropatterned surfaces reduce bacterial colonization and biofilm formation <i>in vitro</i> : Potential for enhancing endotracheal tube designs. <i>Clinical and Translational Medicine</i> , 2014, 3, 8.	4.0	60
30	Procedural Revision to the AOAC Germicidal Spray Products as Disinfectants Test Method: Establishment of Minimum and Maximum Log Density Values for Test Microbes on Inoculated Carriers. <i>Journal of AOAC INTERNATIONAL</i> , 2013, 96, 567-572.	1.5	5
31	Guidelines for the Statistical Analysis of a Collaborative Study of a Laboratory Method for Testing Disinfectant Product Performance. <i>Journal of AOAC INTERNATIONAL</i> , 2013, 96, 1138-1151.	1.5	25
32	Performance of the AOAC Use-Dilution Method with Targeted Modifications: Collaborative Study. <i>Journal of AOAC INTERNATIONAL</i> , 2012, 95, 1618-1628.	1.5	9
33	The Mathematical Structure of Information Bottleneck Methods. <i>Entropy</i> , 2012, 14, 456-479.	2.2	14
34	Comparing the Chlorine Disinfection of Detached Biofilm Clusters with Those of Sessile Biofilms and Planktonic Cells in Single- and Dual-Species Cultures. <i>Applied and Environmental Microbiology</i> , 2011, 77, 7176-7184.	3.1	59
35	Symmetry Breaking in Soft Clustering Decoding of Neural Codes. <i>IEEE Transactions on Information Theory</i> , 2010, 56, 901-927.	2.4	8
36	Symmetry breaking in soft clustering decoding of neural codes. <i>BMC Neuroscience</i> , 2009, 10, .	1.9	0

#	ARTICLE	IF	CITATIONS
37	Annealing and the normalized N-cut. Pattern Recognition, 2008, 41, 592-606.	8.1	7
38	Bifurcation Structure of a Class of SN-invariant Constrained Optimization Problems. Journal of Dynamics and Differential Equations, 2004, 16, 629-678.	1.9	9
39	Derivation of Natural Stimulus Feature Set Using a Data-Driven Model. Lecture Notes in Computer Science, 2003, , 337-345.	1.3	1
40	Bayesian estimation and uncertainty quantification in models of urea hydrolysis by E. coli biofilms. Inverse Problems in Science and Engineering, 0, , 1-24.	1.2	2