Albert E Parker

List of Publications by Year
in descending order

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	Physiological and Proteomic Analysis of Escherichia coli Iron-Limited Chemostat Growth. Journal of Bacteriology, 2014, 196, 2748-2761.	2.2	69
2	Micro€patterned surfaces reduce bacterial colonization and biofilm formation *in vitro*: Potential for enhancing endotracheal tube designs. Clinical and Translational Medicine, 2014, 3, 8.	4.0	60
3	Comparing the Chlorine Disinfection of Detached Biofilm Clusters with Those of Sessile Biofilms and Planktonic Cells in Single- and Dual-Species Cultures. Applied and Environmental Microbiology, 2011, 77, 7176-7184.	3.1	59
4	The relative influences of product volume, delivery format and alcohol concentration on dry-time and efficacy of alcohol-based hand rubs. BMC Infectious Diseases, 2014, 14, 511.	2.9	40
5	Activity-based cell sorting reveals responses of uncultured archaea and bacteria to substrate amendment. ISME Journal, 2020, 14, 2851-2861.	9.8	40
6	Community Engaged Cumulative Risk Assessment of Exposure to Inorganic Well Water Contaminants, Crow Reservation, Montana. International Journal of Environmental Research and Public Health, 2018, 15, 76.	2.6	35
7	Reproducibility of antimicrobial test methods. Scientific Reports, 2018, 8, 12531.	3.3	26
8	Guidelines for the Statistical Analysis of a Collaborative Study of a Laboratory Method for Testing Disinfectant Product Performance. Journal of AOAC INTERNATIONAL, 2013, 96, 1138-1151.	1.5	25
9	Interlaboratory study for the evaluation of three microtiter plate-based biofilm quantification methods. Scientific Reports, 2021, 11, 13779.	3.3	24
10	High spatiotemporal variability of bacterial diversity over short time scales with unique hydrochemical associations within a shallow aquifer. Water Research, 2019, 164, 114917.	11.3	23
11	Development, standardization, and validation of a biofilm efficacy test: The single tube method. Journal of Microbiological Methods, 2019, 165, 105694.	1.6	21
12	Micropatterned Endotracheal Tubes Reduce Secretion-Related Lumen Occlusion. Annals of Biomedical Engineering, 2016, 44, 3645-3654.	2.5	19
13	How long is enough? Identification of product dry-time as a primary driver of alcohol-based hand rub efficacy. Antimicrobial Resistance and Infection Control, 2018, 7, 65.	4.1	19
14	Surface micropattern reduces colonization and medical device-associated infections. Journal of Medical Microbiology, 2017, 66, 1692-1698.	1.8	18
15	Measuring Antimicrobial Efficacy against Biofilms: a Meta-analysis. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	17
16	The Mathematical Structure of Information Bottleneck Methods. Entropy, 2012, 14, 456-479.	2.2	14
17	Quorum sensing inhibition as a promising method to control biofilm growth in metalworking fluids. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 1103-1111.	3.0	12
18	Investigation of the role of infusate properties related to midline catheter failure in an ovine model. American Journal of Health-System Pharmacy, 2020, 77, 1336-1346.	1.0	12

#	ARTICLE	IF	CITATIONS
19	Drip flow reactor method exhibits excellent reproducibility based on a 10-laboratory collaborative study. Journal of Microbiological Methods, 2020, 174, 105963.	1.6	10
20	Bifurcation Structure of a Class of SN-invariant Constrained Optimization Problems. Journal of Dynamics and Differential Equations, 2004, 16, 629-678.	1.9	9
21	Performance of the AOAC Use-Dilution Method with Targeted Modifications: Collaborative Study. Journal of AOAC INTERNATIONAL, 2012, 95, 1618-1628.	1.5	9
22	Who goes in and out of patient rooms? An observational study of room entries and exits in the acute care setting. American Journal of Infection Control, 2019, 47, 585-587.	2.3	9
23	Symmetry Breaking in Soft Clustering Decoding of Neural Codes. IEEE Transactions on Information Theory, 2010, 56, 901-927.	2.4	8
24	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. Biofouling, 2018, 34, 826-834.	2.2	8
25	Annealing and the normalized N-cut. Pattern Recognition, 2008, 41, 592-606.	8.1	7
26	A Statistical Model for Assessing Performance Standards for Quantitative and Semiquantitative Disinfectant Test Methods. Journal of AOAC INTERNATIONAL, 2014, 97, 58-67.	1.5	7
27	Systematic Statistical Analysis of Microbial Data from Dilution Series. Journal of Agricultural, Biological, and Environmental Statistics, 2020, 25, 339-364.	1.4	7
28	Nursing preference for alcohol-based hand rub volume. Infection Control and Hospital Epidemiology, 2019, 40, 1248-1252.	1.8	6
29	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. Journal of AOAC INTERNATIONAL, 2013, 96, 567-572.	1.5	5
30	Polynomial Accelerated Solutions to a Large Gaussian Model for Imaging Biofilms: In Theory and Finite Precision. Journal of the American Statistical Association, 2018, 113, 1431-1442.	3.1	5
31	Evaluation of the Antimicrobial Efficacy of N-Acetyl-l-Cysteine, Rhamnolipids, and Usnic Acidâ€"Novel Approaches to Fight Food-Borne Pathogens. International Journal of Molecular Sciences, 2021, 22, 11307.	4.1	5
32	Attraction, Entrance, and Passage Efficiency of Arctic Grayling, Trout, and Suckers at Denil Fishways in the Big Hole River Basin, Montana. Transactions of the American Fisheries Society, 2022, 151, 453-473.	1.4	4
33	Use of Statistical Modeling to Reassess the Performance Standard for the AOAC Use-Dilution Methods (955.15 and 964.02). Journal of AOAC INTERNATIONAL, 2014, 97, 68-77.	1.5	3
34	Experimental Designs to Study the Aggregation and Colonization of Biofilms by Video Microscopy With Statistical Confidence. Frontiers in Microbiology, 2021, 12, 785182.	3.5	3
35	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
36	Investigation of Raman Spectroscopic Signatures with Multivariate Statistics: An Approach for Cataloguing Microbial Biosignatures. Astrobiology, 2021, , .	3.0	2

#	Article	IF	Citations
37	Interlaboratory evaluations of a standardized quantitative test method for determining the bactericidal and tuberculocidal efficacy of antimicrobial substances on hard non-porous surfaces. Journal of Microbiological Methods, 2022, 196, 106460.	1.6	2
38	Derivation of Natural Stimulus Feature Set Using a Data-Driven Model. Lecture Notes in Computer Science, 2003, , 337-345.	1.3	1
39	Symmetry breaking in soft clustering decoding of neural codes. BMC Neuroscience, 2009, 10, .	1.9	0
40	Harvesting and Disaggregation: An Overlooked Step in Biofilm Methods Research. Journal of Visualized Experiments, 2022, , .	0.3	0