Hazel A Barton

List of Publications by Year
in descending order

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33 papers	1,505 citations	430874 18 h-index	454955 30 g-index
36 all docs	36 docs citations	36 times ranked	2400 citing authors

#	Article	IF	Citations
1	Genomic characterization of bacteria from the ultra-oligotrophic Madison aquifer: insight into the archetypical LuxI/LuxR and identification of novel LuxR solos. BMC Research Notes, 2021, 14, 175.	1.4	3
2	Synergism between Rifampicin and Cationic Polyurethanes Overcomes Intrinsic Resistance of Escherichia coli. Biomacromolecules, 2021, 22, 2910-2920.	5.4	15
3	Peptidomimetic Polyurethanes Inhibit Bacterial Biofilm Formation and Disrupt Surface Established Biofilms. Journal of the American Chemical Society, 2021, 143, 9440-9449.	13.7	91
4	Hydrologic Alteration and Enhanced Microbial Reductive Dissolution of Fe(III) (hydr)oxides Under Flow Conditions in Fe(III)-Rich Rocks: Contribution to Cave-Forming Processes. Frontiers in Microbiology, 2021, 12, 696534.	3.5	6
5	Life in the dark: farâ€red absorbing cyanobacteria extend photic zones deep into terrestrial caves. Environmental Microbiology, 2020, 22, 952-963.	3.8	33
6	Spectroscopic Identification of Peptide Chemistry in the Caulobacter crescentus Holdfast. Biochemistry, 2020, 59, 3508-3516.	2.5	1
7	Ancestral Absence of Electron Transport Chains in Patescibacteria and DPANN. Frontiers in Microbiology, 2020, 11, 1848.	3.5	62
8	Women Are Underrepresented and Receive Differential Outcomes at ASM Journals: a Six-Year Retrospective Analysis. MBio, 2020, 11, .	4.1	25
9	Antibiotic eluting poly(ester urea) films for control of a model cardiac implantable electronic device infection. Acta Biomaterialia, 2020, 111, 65-79.	8.3	4
10	Insight into the resistome and quorum sensing system of a divergent Acinetobacter pittii isolate from an untouched site of the Lechuguilla Cave. Access Microbiology, 2020, 2, acmi000089.	0.5	2
11	Bacterial Membrane Selective Antimicrobial Peptide-Mimetic Polyurethanes: Structureâ€“Property Correlations and Mechanisms of Action. Biomacromolecules, 2019, 20, 4096-4106.	5.4	31
12	Structureâ€“Activity Study of Antibacterial Poly(ester urethane)s with Uniform Distribution of Hydrophobic and Cationic Groups. Biomacromolecules, 2019, 20, 1675-1682.	5.4	40
13	Modification of narrowâ€spectrum peptidomimetic polyurethanes with fatty acid chains confers broadâ€spectrum antibacterial activity. Polymer International, 2019, 68, 1255-1262.	3.1	11
14	Draft Genome Sequences of Five Proteobacteria Isolated from Lechuguilla Cave, New Mexico, USA, and Insights into Taxonomy and Quorum Sensing. Microbiology Resource Announcements, 2019, 8, .	0.6	2
15	Pseudomonas fluorescens Strain R124 Encodes Three Different MIO Enzymes. ChemBioChem, 2018, 19, 411-418.	2.6	11
16	Fe(III) Reducing Microorganisms from Iron Ore Caves Demonstrate Fermentative Fe(III) Reduction and Promote Cave Formation. Geomicrobiology Journal, 2018, 35, 311-322.	2.0	36
17	High Microbial Diversity Despite Extremely Low Biomass in a Deep Karst Aquifer. Frontiers in Microbiology, 2018, 9, 2823.	3.5	34
18	Modification of a conventional polyurethane composition provides significant anti-biofilm activity against Escherichia coli. Polymer Chemistry, 2018, 9, 3195-3198.	3.9	22

#	Article	IF	Citations
19	Post-fabrication QAC-functionalized thermoplastic polyurethane for contact-killing catheter applications. Biomaterials, 2018, 178, 339-350.	11.4	33
20	Nontoxic Cationic Coumarin Polyester Coatings Prevent Pseudomonas aeruginosa Biofilm Formation. ACS Applied Materials & Interfaces, 2017, 9, 6704-6711.	8.0	35
21	Bactericidal Peptidomimetic Polyurethanes with Remarkable Selectivity against Escherichia coli. ACS Biomaterials Science and Engineering, 2017, 3, 2588-2597.	5.2	40
22	The U.S. Culture Collection Network Responding to the Requirements of the Nagoya Protocol on Access and Benefit Sharing. MBio, 2017, 8, .	4.1	30
23	Ammonia-Oxidizing Archaea Dominate Ammonia-Oxidizing Communities within Alkaline Cave Sediments. Geomicrobiology Journal, 2017, 34, 511-523.	2.0	17
24	Genomic characterization of eight Ensifer strains isolated from pristine caves and a whole genome phylogeny of Ensifer (Sinorhizobium). Journal of Genomics, 2017, 5, 12-15.	0.9	7
25	A Phenotypic and Genotypic Analysis of the Antimicrobial Potential of Cultivable Streptomyces Isolated from Cave Moonmilk Deposits. Frontiers in Microbiology, 2016, 7, 1455.	3.5	64
26	A diverse intrinsic antibiotic resistome from a cave bacterium. Nature Communications, 2016, 7, 13803.	12.8	148
27	Scaling down for a broader understanding of underwater adhesives â€“ a case for the Caulobacter crescentus holdfast. Soft Matter, 2016, 12, 9132-9141.	2.7	13
28	Comparison of the White-Nose Syndrome Agent Pseudogymnoascus destructans to Cave-Dwelling Relatives Suggests Reduced Saprotrophic Enzyme Activity. PLoS ONE, 2014, 9, e86437.	2.5	45
29	Microbial diversity in a Venezuelan orthoquartzite cave is dominated by the Chloroflexi (Class) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.5	72
30	Whole-Genome Sequences of Five Oligotrophic Bacteria Isolated from Deep within Lechuguilla Cave, New Mexico. Genome Announcements, 2014, 2, .	0.8	17
31	White-Nose Syndrome: Human Activity in the Emergence of an Extirpating Mycosis. Microbiology Spectrum, 2013, 1, .	3.0	9
32	Antibiotic Resistance Is Prevalent in an Isolated Cave Microbiome. PLoS ONE, 2012, 7, e34953.	2.5	541
33	White-Nose Syndrome: Human Activity in the Emergence of an Extirpating Mycosis. , 0, , 167-181.		5