

Erhan Atci

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

476
citations

687363

13
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

862
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption and Transport of CH ₄ , CO ₂ , H ₂ Mixtures in a Bio-MOF Material from Molecular Simulations. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6833-6840.	3.1	72
2	Electrochemical scaffold generates localized, low concentration of hydrogen peroxide that inhibits bacterial pathogens and biofilms. <i>Scientific Reports</i> , 2015, 5, 14908.	3.3	68
3	<i>Staphylococcus aureus</i> Induces Hypoxia and Cellular Damage in Porcine Dermal Explants. <i>Infection and Immunity</i> , 2015, 83, 2531-2541.	2.2	52
4	Microbiosensor for the detection of acetate in electrode-respiring biofilms. <i>Biosensors and Bioelectronics</i> , 2016, 81, 517-523.	10.1	48
5	Understanding the Potential of Zeolite Imidazolate Framework Membranes in Gas Separations Using Atomically Detailed Calculations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15525-15537.	3.1	42
6	Atomically Detailed Models for Transport of Gas Mixtures in ZIF Membranes and ZIF/Polymer Composite Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 3091-3100.	3.7	36
7	Localized electron transfer rates and microelectrode-based enrichment of microbial communities within a phototrophic microbial mat. <i>Frontiers in Microbiology</i> , 2014, 5, 11.	3.5	31
8	Trade-offs between microbiome diversity and productivity in a stratified microbial mat. <i>ISME Journal</i> , 2017, 11, 405-414.	9.8	26
9	Multiple Cathodic Reaction Mechanisms in Seawater Cathodic Biofilms Operating in Sediment Microbial Fuel Cells. <i>ChemSusChem</i> , 2014, 7, 2898-2906.	6.8	20
10	A hydrogen peroxide microelectrode to use in bioelectrochemical systems. <i>Sensors and Actuators B: Chemical</i> , 2016, 226, 429-435.	7.8	17
11	Vancomycin and maltodextrin affect structure and activity of <i>Staphylococcus aureus</i> biofilms. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2562-2570.	3.3	15
12	Hyperosmotic Agents and Antibiotics Affect Dissolved Oxygen and pH Concentration Gradients in <i>Staphylococcus aureus</i> Biofilms. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	15
13	Colonization of Epidermal Tissue by <i>Staphylococcus aureus</i> Produces Localized Hypoxia and Stimulates Secretion of Antioxidant and Caspase-14 Proteins. <i>Infection and Immunity</i> , 2015, 83, 3026-3034.	2.2	14
14	Regulation of electron transfer processes affects phototrophic mat structure and activity. <i>Frontiers in Microbiology</i> , 2015, 6, 909.	3.5	11
15	A Fumarate Microbiosensor for Use in Biofilms. <i>Journal of the Electrochemical Society</i> , 2017, 164, H3058-H3064.	2.9	9