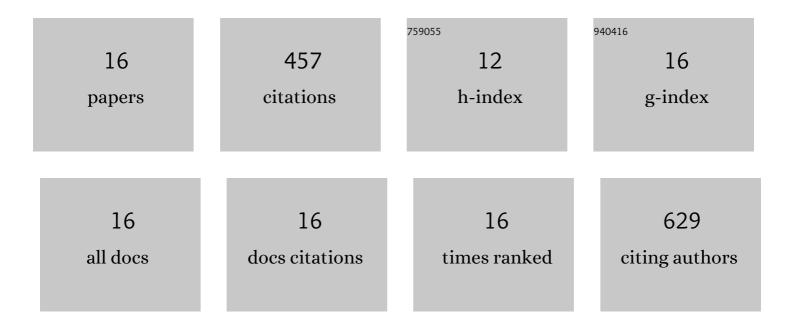
Abayomi Babatunde Alayande

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Concurrent performance improvement and biofouling mitigation in osmotic microbial fuel cells using a silver nanoparticle-polydopamine coated forward osmosis membrane. Journal of Membrane Science, 2016, 513, 217-225.	4.1	64
2	Laminar reduced graphene oxide membrane modified with silver nanoparticle-polydopamine for water/ion separation and biofouling resistance enhancement. Desalination, 2018, 426, 21-31.	4.0	60
3	Implications of Chemical Reduction Using Hydriodic Acid on the Antimicrobial Properties of Graphene Oxide and Reduced Graphene Oxide Membranes. Small, 2019, 15, e1901023.	5.2	56
4	Antimicrobial mechanism of reduced graphene oxide-copper oxide (rGO-CuO) nanocomposite films: The case of Pseudomonas aeruginosa PAO1. Materials Science and Engineering C, 2020, 109, 110596.	3.8	52
5	Correlation Between Quorum Sensing Signal Molecules and Pseudomonas aeruginosa's Biofilm Development and Virulency. Current Microbiology, 2018, 75, 787-793.	1.0	38
6	2D materials-based membranes for hydrogen purification: Current status and future prospects. International Journal of Hydrogen Energy, 2021, 46, 11389-11410.	3.8	35
7	Surface morphology-dependent spontaneous bacterial behaviors on graphene oxide membranes. Separation and Purification Technology, 2019, 226, 68-74.	3.9	27
8	High-flux ultrafiltration membrane with open porous hydrophilic structure using dual pore formers. Chemosphere, 2019, 227, 662-669.	4.2	25
9	Ultraviolet light-activated peroxymonosulfate (UV/PMS) system for humic acid mineralization: Effects of ionic matrix and feasible application in seawater reverse osmosis desalination. Environmental Pollution, 2022, 307, 119513.	3.7	23
10	Antiviral Nanomaterials for Designing Mixed Matrix Membranes. Membranes, 2021, 11, 458.	1.4	16
11	Cleaning efficacy of hydroxypropyl-beta-cyclodextrin for biofouling reduction on reverse osmosis membranes. Biofouling, 2016, 32, 359-370.	0.8	14
12	Mechanistic insights into the potential applicability of a sulfate-based advanced oxidation process for the control of transparent exopolymer particles in membrane-based desalination. Desalination, 2022, 522, 115437.	4.0	12
13	Applications of nisin for biofouling mitigation of reverse osmosis membranes. Desalination, 2018, 429, 52-59.	4.0	11
14	Recent Progress in One- and Two-Dimensional Nanomaterial-Based Electro-Responsive Membranes: Versatile and Smart Applications from Fouling Mitigation to Tuning Mass Transport. Membranes, 2021, 11, 5.	1.4	9
15	Effect of size fractioned alginate-based transparent exopolymer particles on initial bacterial adhesion of forward osmosis membrane support layer. Journal of Industrial and Engineering Chemistry, 2021, 94, 408-418.	2.9	8
16	Antibacterial rGO–CuO–Ag film with contact- and release-based inactivation properties. Environmental Research, 2020, 191, 110130.	3.7	7