

Ahmed Labena

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

561
citations

516710

16
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

627
citing authors

#	ARTICLE	IF	CITATIONS
1	Eco-friendly complementary biosorption process of methylene blue using micro-sized dried biosorbents of two macro-algal species (<i>Ulva fasciata</i> and <i>Sargassum dentifolium</i>): Full factorial design, equilibrium, and kinetic studies. <i>International Journal of Biological Macromolecules</i> , 2019, 134, 330-343.	7.5	61
2	Instantaneous photocatalytic degradation of malachite green dye under visible light using novel green Co ²⁺ /ZnO/algae composites. <i>Research on Chemical Intermediates</i> , 2020, 46, 1955-1973.	2.7	52
3	Cationic Gemini Surfactant as a Corrosion Inhibitor and a Biocide for High Salinity Sulfidogenic Bacteria Originating from an Oil Field Water Tank. <i>Journal of Surfactants and Detergents</i> , 2014, 17, 419-431.	2.1	46
4	Core/shell (ZnO/polyacrylamide) nanocomposite: In-situ emulsion polymerization, corrosion inhibition, anti-microbial and anti-biofilm characteristics. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 63, 512-522.	5.3	42
5	Neoteric approach for efficient eco-friendly dye removal and recovery using algal-polymer biosorbent sheets: Characterization, factorial design, equilibrium and kinetics. <i>International Journal of Biological Macromolecules</i> , 2020, 157, 494-509.	7.5	40
6	The biocidal effect of a novel synthesized gemini surfactant on environmental sulfidogenic bacteria: Planktonic cells and biofilms. <i>Materials Science and Engineering C</i> , 2015, 47, 367-375.	7.3	39
7	Adsorption studies of hexavalent chromium [Cr (VI)] on micro-scale biomass of <i>Sargassum dentifolium</i> , Seaweed. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103444.	6.7	35
8	Removal of Methylene Blue and Congo Red Using Adsorptive Membrane Impregnated with Dried <i>Ulva fasciata</i> and <i>Sargassum dentifolium</i> . <i>Plants</i> , 2021, 10, 384.	3.5	31
9	Absorption of hexavalent chromium by green micro algae <i>Chlorella sorokiniana</i> : live planktonic cells. <i>Water Practice and Technology</i> , 2019, 14, 515-529.	2.0	28
10	One-pot synthesise of dendritic hyperbranched PAMAM and assessment as a broad spectrum antimicrobial agent and anti-biofilm. <i>Materials Science and Engineering C</i> , 2016, 58, 1150-1159.	7.3	26
11	Novel Gemini Cationic Surfactants: Thermodynamic, Antimicrobial Susceptibility, and Corrosion Inhibition Behavior against <i>Acidithiobacillus ferrooxidans</i> . <i>Journal of Surfactants and Detergents</i> , 2020, 23, 991-1004.	2.1	24
12	4,4'-(((1E,5E)-pentane-1,5-diylidene)bis(azanylylidene))bis(1-dodecylpyridin-1-ium) bromide as a novel corrosion inhibitor in an acidic solution (part I). <i>Materials Science and Engineering C</i> , 2020, 110, 110673.	7.3	22
13	Application of quercetin and its bio-inspired nanoparticles as anti-adhesive agents against <i>Bacillus subtilis</i> attachment to surface. <i>Materials Science and Engineering C</i> , 2017, 70, 753-762.	7.3	19
14	Antimicrobial Activity of Hybrids Terpolymers Based on Magnetite Hydrogel Nanocomposites. <i>Materials</i> , 2019, 12, 3604.	2.9	19
15	Advanced eco-friendly and adsorptive membranes based on <i>Sargassum dentifolium</i> for heavy metals removal, recovery and reuse. <i>Journal of Water Process Engineering</i> , 2020, 37, 101424.	5.6	19
16	Sulfidogenic-corrosion inhibitory effect of cationic monomeric and gemini surfactants: planktonic and sessile diversity. <i>RSC Advances</i> , 2016, 6, 42263-42278.	3.6	18
17	Grafting of Acrylic Membrane Prepared from Fibers Waste for Dyes Removal: Methylene Blue and Congo Red. <i>Separations</i> , 2021, 8, 42.	2.4	13
18	Effect of Novel Quercetin Titanium Dioxide-Decorated Multi-Walled Carbon Nanotubes Nanocomposite on <i>Bacillus subtilis</i> Biofilm Development. <i>Materials</i> , 2018, 11, 157.	2.9	11

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19	Detection of Volatile Organic Compounds by Using MEMS Sensors. <i>Sensors</i> , 2022, 22, 4102.	3.8	9
20	Progressive Applications of Hyperbranched Polymer Based on Diarylamine: Antimicrobial, Anti-Biofilm and Anti-Aerobic Corrosion. <i>Materials</i> , 2020, 13, 2076.	2.9	7