Wail S Falath

List of Publications by Year
in descending order

18	1,650	566801 15	839053 18
papers	citations	h-index	g-index

18	18	18	1073
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanomaterials: a review of synthesis methods, properties, recent progress, and challenges. Materials Advances, 2021, 2, 1821-1871.	2.6	1,049
2	Removal of hazardous dyes, toxic metal ions and organic pollutants from wastewater by using porous hyper-cross-linked polymeric materials: A review of recent advances. Journal of Environmental Management, 2021, 287, 112360.	3.8	125
3	Fouling control in reverse osmosis for water desalination & reuse: Current practices & emerging environment-friendly technologies. Science of the Total Environment, 2021, 765, 142721.	3.9	96
4	Novel reverse osmosis membranes composed of modified PVA/Gum Arabic conjugates: Biofouling mitigation and chlorine resistance enhancement. Carbohydrate Polymers, 2017, 155, 28-39.	5.1	57
5	Single step production of high-purity copper oxide-titanium dioxide nanocomposites and their effective antibacterial and anti-biofilm activity against drug-resistant bacteria. Materials Science and Engineering C, 2020, 113, 110992.	3.8	52
6	Enhanced efficiency of polyamide membranes by incorporating TiO2-Graphene oxide for water purification. Journal of Molecular Liquids, 2021, 323, 114922.	2.3	48
7	Highly improved reverse osmosis performance of novel PVA/DGEBA cross-linked membranes by incorporation of Pluronic F-127 and MWCNTs for water desalination. Desalination, 2016, 397, 53-66.	4.0	45
8	Laser Induced Anchoring of Nickel Oxide Nanoparticles on Polymeric Graphitic Carbon Nitride Sheets Using Pulsed Laser Ablation for Efficient Water Splitting under Visible Light. Nanomaterials, 2020, 10, 1098.	1.9	26
9	Rapid fabrication of textured membrane with super-wettability using simple spray-coating of Pd-doped WO3 nanoparticles for efficient oil-water separation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 609, 125643.	2.3	26
10	Synthesis, characterization and evaluation of visible light active cadmium sulfide-graphitic carbon nitride nanocomposite: A prospective solar light harvesting photo-catalyst for the deactivation of waterborne pathogen. Journal of Photochemistry and Photobiology B: Biology, 2020, 204, 111783.	1.7	23
11	Rapid synthesis and characterization of advanced ceramic-polymeric nanocomposites for efficient photocatalytic decontamination of hazardous organic pollutant under visible light and inhibition of microbial biofilm. Ceramics International, 2021, 47, 4737-4748.	2.3	20
12	Performance improvement of an air gap membrane distillation process with rotating fan. Applied Thermal Engineering, 2022, 204, 117964.	3.0	20
13	Hyperbranched polyethyleneimine induced polycationic membranes for improved fouling resistance and high RO performance. European Polymer Journal, 2016, 85, 266-278.	2.6	19
14	Synthesis of cadmium sulfide-tungsten trioxide nanocomposites for photo-catalytic degradation of organic pollutants and growth retardation of waterborne bacteria and biofilms. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 606, 125423.	2.3	16
15	Integrally skinned nano-cellular crosslinked asymmetric thin films infused with PEO-PPO-PEO block copolymer/ZnO-NPs for desalination using sea salt. Materials Chemistry and Physics, 2016, 183, 595-605.	2.0	15
16	Multidecadal analysis of beach loss at the major offshore sea turtle nesting islands in the northern Arabian Gulf. Ecological Indicators, 2021, 121, 107146.	2.6	5
17	Novel stand-alone PVA mixed matrix membranes conjugated with graphene oxide for highly improved reverse osmosis performance. Arabian Journal of Chemistry, 2021, 14, 103109.	2.3	5
18	Development of Membrane-Based Inverted Liquidâ€“Liquid Extraction for the Simultaneous Extraction of Eight Metals in Seawater before ICP-OES Analysis. Molecules, 2020, 25, 3395.	1.7	3