

# Wail S Falath

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9479142/publications.pdf>

Version: 2024-02-01

18  
papers

1,650  
citations

566801

15  
h-index

839053

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1073  
citing authors

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