

# Omar M Abdeldayem

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6002851/publications.pdf>

Version: 2024-02-01

13  
papers

373  
citations

933447

10  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

313  
citing authors

#	ARTICLE	IF	CITATIONS
1	Current Updates and Perspectives of Biosorption Technology: an Alternative for the Removal of Heavy Metals from Wastewater. <i>Current Pollution Reports</i> , 2020, 6, 8-27.	6.6	82
2	Applications of machine learning algorithms for biological wastewater treatment: Updates and perspectives. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 127-143.	4.1	60
3	Viral outbreaks detection and surveillance using wastewater-based epidemiology, viral air sampling, and machine learning techniques: A comprehensive review and outlook. <i>Science of the Total Environment</i> , 2022, 803, 149834.	8.0	48
4	Food Waste: A Promising Source of Sustainable Biohydrogen Fuel. <i>Trends in Biotechnology</i> , 2021, 39, 1274-1288.	9.3	36
5	Reusability of brilliant green dye contaminated wastewater using corncob biochar and <i>Brevibacillus parabrevis</i> : hybrid treatment and kinetic studies. <i>Bioengineered</i> , 2020, 11, 743-758.	3.2	34
6	Esterification of high FFA content waste cooking oil through different techniques including the utilization of cement kiln dust as a heterogeneous catalyst: A comparative study. <i>Fuel</i> , 2020, 279, 118519.	6.4	29
7	New alginate-based interpenetrating polymer networks for water treatment: A response surface methodology based optimization study. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 772-785.	7.5	25
8	Palm oil industrial wastes as a promising feedstock for biohydrogen production: A comprehensive review. <i>Environmental Pollution</i> , 2021, 291, 118160.	7.5	17
9	Mitigation Plan and Water Harvesting of Flashflood in Arid Rural Communities Using Modelling Approach: A Case Study in Afouna Village, Egypt. <i>Water (Switzerland)</i> , 2020, 12, 2565.	2.7	16
10	Analysis of Unsteady Friction Models Used in Engineering Software for Water Hammer Analysis: Implementation Case in WANDA. <i>Water (Switzerland)</i> , 2021, 13, 495.	2.7	10
11	Comparative Technoeconomic Analysis of Using Waste and Virgin Cooking Oils for Biodiesel Production. <i>Frontiers in Energy Research</i> , 2020, 8, .	2.3	9
12	A bi-functional alginate-based composite for catalyzing one-pot methyl esters synthesis from waste cooking oil having high acidity. <i>Fuel</i> , 2021, 306, 121637.	6.4	7
13	Fish and animal waste as catalysts for biodiesel synthesis. , 2022, , 119-136.		0