

# Ashutosh Agarwal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3835554/publications.pdf>

Version: 2024-02-01

15  
papers

1,178  
citations

759055

12  
h-index

996849

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1411  
citing authors

#	ARTICLE	IF	CITATIONS
1	Principle and applications of microbubble and nanobubble technology for water treatment. <i>Chemosphere</i> , 2011, 84, 1175-1180.	4.2	695
2	Advancement in technologies for the depolymerization of lignin. <i>Fuel Processing Technology</i> , 2018, 181, 115-132.	3.7	159
3	Remediation technologies for oil-contaminated sediments. <i>Marine Pollution Bulletin</i> , 2015, 101, 483-490.	2.3	77
4	Biofilm detachment by self-collapsing air microbubbles: a potential chemical-free cleaning technology for membrane biofouling. <i>Journal of Materials Chemistry</i> , 2012, 22, 2203-2207.	6.7	47
5	Chlorinated polyvinyl chloride (CPVC) assisted leaching of lithium and cobalt from spent lithium-ion battery in subcritical water. <i>Journal of Hazardous Materials</i> , 2020, 393, 122367.	6.5	30
6	Remediation of oil-contaminated sand with self-collapsing air microbubbles. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23876-23883.	2.7	29
7	Removal of biofilms by intermittent low-intensity ultrasonication triggered bursting of microbubbles. <i>Biofouling</i> , 2014, 30, 359-365.	0.8	27
8	Production of Phenol-Rich Monomers from Kraft Lignin Hydrothermolysates in Basic-Subcritical Water over MoO <sub>3</sub> /SBA-15 Catalyst. <i>Energy &amp; Fuels</i> , 2018, 32, 11564-11575.	2.5	26
9	Effects of Temperature and Salt Catalysts on Depolymerization of Kraft Lignin to Aromatic Phenolic Compounds. <i>Energy &amp; Fuels</i> , 2019, 33, 6390-6404.	2.5	26
10	Enhanced microbubbles assisted cleaning of diesel contaminated sand. <i>Marine Pollution Bulletin</i> , 2017, 124, 331-335.	2.3	19
11	Cleaning of biologically fouled membranes with self-collapsing microbubbles. <i>Biofouling</i> , 2013, 29, 69-76.	0.8	13
12	Ni(OH) <sub>2</sub> Coated CoMn-layered double hydroxide nanowires as efficient water oxidation electrocatalysts. <i>New Journal of Chemistry</i> , 2022, 46, 2044-2052.	1.4	12
13	Hybrid microwave-ultrasound assisted catalyst-free depolymerization of Kraft lignin to bio-oil. <i>Industrial Crops and Products</i> , 2021, 162, 113300.	2.5	10
14	Upgrading of Kraft Lignin-Derived Bio-Oil over Hierarchical and Nonhierarchical Ni and/or Zn/HZSM5 Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 22791-22803.	1.8	6
15	Effect of Iron Concentration and Annealing Conditions on the Catalytic Performance of Co-Mn Spinel Oxides with a Unique Nanowire-Nanosheet Coexisting Structure for Water Oxidation. <i>Energy &amp; Fuels</i> , 2022, 36, 7806-7815.	2.5	2