

# Fayaz Ali

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18  
papers

886  
citations

15  
h-index

21  
g-index

21  
ext. papers

1,102  
ext. citations

6.6  
avg, IF

4.97  
L-index

#	Paper	IF	Citations
18	CuO embedded chitosan spheres as antibacterial adsorbent for dyes. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 88, 113-9	7.9	99
17	Chitosan-titanium oxide fibers supported zero-valent nanoparticles: Highly efficient and easily retrievable catalyst for the removal of organic pollutants. <i>Scientific Reports</i> , <b>2018</b> , 8, 6260	4.9	81
16	Chitosan coated cotton cloth supported zero-valent nanoparticles: Simple but economically viable, efficient and easily retrievable catalysts. <i>Scientific Reports</i> , <b>2017</b> , 7, 16957	4.9	80
15	Anti-bacterial chitosan/zinc phthalocyanine fibers supported metallic and bimetallic nanoparticles for the removal of organic pollutants. <i>Carbohydrate Polymers</i> , <b>2017</b> , 173, 676-689	10.3	79
14	Synthesis and characterization of metal nanoparticles templated chitosan-SiO catalyst for the reduction of nitrophenols and dyes. <i>Carbohydrate Polymers</i> , <b>2018</b> , 192, 217-230	10.3	78
13	Bactericidal and catalytic performance of green nanocomposite based-on chitosan/carbon black fiber supported monometallic and bimetallic nanoparticles. <i>Chemosphere</i> , <b>2017</b> , 188, 588-598	8.4	77
12	Boron Chemistry for Medical Applications. <i>Molecules</i> , <b>2020</b> , 25,	4.8	73
11	Chitosan-coated polyurethane sponge supported metal nanoparticles for catalytic reduction of organic pollutants. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 132, 772-783	7.9	63
10	Carbamazepine degradation by UV and UV-assisted AOPs: Kinetics, mechanism and toxicity investigations. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 117, 307-314	5.5	63
9	Copper nanoparticles embedded chitosan for efficient detection and reduction of nitroaniline. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 131, 666-675	7.9	34
8	Chitosan coated cellulose cotton fibers as catalyst for the H <sub>2</sub> production from NaBH <sub>4</sub> methanolysis. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 4143-4155	6.7	31
7	Chitosan nanocomposite fibers supported copper nanoparticles based perceptive sensor and active catalyst for nitrophenol in real water. <i>Carbohydrate Polymers</i> , <b>2019</b> , 207, 650-662	10.3	31
6	Enhanced H <sub>2</sub> generation from NaBH <sub>4</sub> hydrolysis and methanolysis by cellulose micro-fibrous cottons as metal templated catalyst. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 6539-6550	6.7	30
5	Removal of Acid Yellow 17 Dye by Fenton Oxidation Process. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2018</b> , 232, 507-525	3.1	27
4	Lignocellulosic biomass supported metal nanoparticles for the catalytic reduction of organic pollutants. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 823-836	5.1	20
3	Metal nanoparticles supported on polyacrylamide water beads as catalyst for efficient generation of H <sub>2</sub> from NaBH <sub>4</sub> methanolysis. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 1532-1540	6.7	13
2	Eggshell membranes coated chitosan decorated with metal nanoparticles for the catalytic reduction of organic contaminates. <i>Carbohydrate Polymers</i> , <b>2021</b> , 259, 117681	10.3	4

1 Boron materials for energy applications **2022**, 203-289

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