

# P Abdul Rasheed

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,860  
citations

279798

23  
h-index

395702

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2387  
citing authors

#	ARTICLE	IF	CITATIONS
1	Water treatment and environmental remediation applications of two-dimensional metal carbides (MXenes). <i>Materials Today</i> , 2019, 30, 80-102.	14.2	390
2	Ultra-sensitive electrocatalytic detection of bromate in drinking water based on Nafion/Ti <sub>3</sub> C <sub>2</sub> X (MXene) modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 652-659.	7.8	153
3	Electrochemical DNA sensors based on the use of gold nanoparticles: a review on recent developments. <i>Mikrochimica Acta</i> , 2017, 184, 981-1000.	5.0	109
4	Sensitive electrochemical detection of L-cysteine based on a highly stable Pd@Ti <sub>3</sub> C <sub>2</sub> X (MXene) nanocomposite modified glassy carbon electrode. <i>Analytical Methods</i> , 2019, 11, 3851-3856.	2.7	102
5	A fouling-resistant mixed-matrix nanofiltration membrane based on covalently cross-linked Ti <sub>3</sub> C <sub>2</sub> X (MXene)/cellulose acetate. <i>Journal of Membrane Science</i> , 2020, 607, 118139.	8.2	101
6	Graphene-DNA electrochemical sensor for the sensitive detection of BRCA1 gene. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 777-782.	7.8	95
7	Recent advances in optical detection of dopamine using nanomaterials. <i>Mikrochimica Acta</i> , 2017, 184, 1239-1266.	5.0	90
8	Carbon nanostructures as immobilization platform for DNA: A review on current progress in electrochemical DNA sensors. <i>Biosensors and Bioelectronics</i> , 2017, 97, 226-237.	10.1	77
9	Controlling the biocorrosion of sulfate-reducing bacteria (SRB) on carbon steel using ZnO/chitosan nanocomposite as an eco-friendly biocide. <i>Corrosion Science</i> , 2019, 148, 397-406.	6.6	67
10	Synthesis of nanotitania decorated few-layer graphene for enhanced visible light driven photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2014, 428, 214-221.	9.4	57
11	Reductive Sequestration of Toxic Bromate from Drinking Water using Lamellar Two-Dimensional Ti <sub>3</sub> C <sub>2</sub> X (MXene). <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7910-7917.	6.7	57
12	Effect of Sheet Size and Atomic Structure on the Antibacterial Activity of Nb-MXene Nanosheets. <i>ACS Applied Nano Materials</i> , 2020, 3, 11372-11382.	5.0	56
13	Green-ZnO-Interlinked Chitosan Nanoparticles for the Efficient Inhibition of Sulfate-Reducing Bacteria in Inject Seawater. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3896-3906.	6.7	53
14	Nb-based MXenes for efficient electrochemical sensing of small biomolecules in the anodic potential. <i>Electrochemistry Communications</i> , 2020, 119, 106811.	4.7	47
15	Recent advances in niobium MXenes: Synthesis, properties, and emerging applications. <i>Matter</i> , 2022, 5, 546-572.	10.0	40
16	A highly sensitive DNA sensor for attomolar detection of the BRCA1 gene: signal amplification with gold nanoparticle clusters. <i>Analyt. Chem.</i> , 2015, 140, 2713-2718.	3.5	38
17	Reduced graphene oxide-yttria nanocomposite modified electrode for enhancing the sensitivity of electrochemical genosensor. <i>Biosensors and Bioelectronics</i> , 2016, 83, 361-367.	10.1	34
18	Large interlayer spacing Nb <sub>4</sub> C <sub>3</sub> X (MXene) promotes the ultrasensitive electrochemical detection of Pb <sup>2+</sup> on glassy carbon electrodes. <i>RSC Advances</i> , 2020, 10, 24697-24704.	3.6	34

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19	Platinum nanoparticles/Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene) composite for the effectual electrochemical sensing of Bisphenol A in aqueous media. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114934.	3.8	34
20	One-step synthesis of an antimicrobial framework based on covalently cross-linked chitosan/lignosulfonate (CS@LS) nanospheres. <i>Green Chemistry</i> , 2020, 22, 678-687.	9.0	32
21	Quartz crystal microbalance genosensor for sequence specific detection of attomolar DNA targets. <i>Analytica Chimica Acta</i> , 2016, 905, 134-139.	5.4	28
22	Recent advancements of nanomaterials as coatings and biocides for the inhibition of sulfate reducing bacteria induced corrosion. <i>Current Opinion in Chemical Engineering</i> , 2019, 25, 35-42.	7.8	28
23	Femtomolar level detection of BRCA1 gene using a gold nanoparticle labeled sandwich type DNA sensor. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 7-13.	5.0	27
24	Attomolar detection of BRCA1 gene based on gold nanoparticle assisted signal amplification. <i>Biosensors and Bioelectronics</i> , 2015, 65, 333-340.	10.1	24
25	Enhanced water flux and bacterial resistance in cellulose acetate membranes with quaternary ammoniumpropylated polysilsesquioxane. <i>Chemosphere</i> , 2022, 289, 133144.	8.2	17
26	Nb <sub>4</sub> C <sub>3</sub> T <sub>x</sub> (MXene)/Au/DNA Aptasensor for the Ultraselective Electrochemical Detection of Lead in Water Samples. <i>Electroanalysis</i> , 2022, 34, 1540-1546.	2.9	14
27	Cross-linked laminar graphene oxide membranes for wastewater treatment and desalination: A review. <i>Journal of Environmental Management</i> , 2022, 317, 115367.	7.8	14
28	Graphitic carbon nitride as immobilization platform for ssDNA in a genosensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 250, 162-168.	7.8	11
29	MXenes for Environmental and Water Treatment Applications. , 2019, , 417-444.		11
30	Microbiologically-influenced corrosion of the electroless-deposited NiP-TiNi “ Coating. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103445.	4.9	10
31	Inhibition of Microbially Influenced Corrosion by Chitosan@lignosulfonate Nanospheres Under Dynamic Flow Conditions. <i>Journal of Bio- and Tribo-Corrosion</i> , 2021, 7, 1.	2.6	4
32	Ultrasensitive colorimetric detection of NF- $\kappa$ B protein at picomolar levels using target-induced passivation of nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1397-1403.	3.7	3
33	Synthesis of Luminescent MgO Nanocrystals and Their Application in Bioimaging. <i>Advanced Science, Engineering and Medicine</i> , 2014, 6, 283-289.	0.3	2
34	Screening the growth inhibition mechanism of sulfate reducing bacteria by chitosan/lignosulfonate nanocomposite (CS@LS) in seawater media. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106624.	6.7	1