

# Abdul Naeem

## List of Publications by Year in descending order

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73  
papers

2,463  
citations

304743

22  
h-index

214800

47  
g-index

73  
all docs

73  
docs citations

73  
times ranked

3482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Different Methods for the Point of Zero Charge Determination of NiO. Industrial & Engineering Chemistry Research, 2011, 50, 10017-10023.	3.7	338
2	Biodiesel production from low FFA waste cooking oil using heterogeneous catalyst derived from chicken bones. Renewable Energy, 2015, 76, 362-368.	8.9	274
3	Efficient Polysulfide Chemisorption in Covalent Organic Frameworks for High-Performance Lithium-Sulfur Batteries. Advanced Energy Materials, 2016, 6, 1601250.	19.5	231
4	High surface area mesoporous activated carbon-alginate beads for efficient removal of methylene blue. International Journal of Biological Macromolecules, 2018, 107, 1792-1799.	7.5	190
5	Mangosteen peel waste as a sustainable precursor for high surface area mesoporous activated carbon: Characterization and application for methylene blue removal. Journal of Cleaner Production, 2019, 211, 1190-1200.	9.3	165
6	The Current Case of Quinolones: Synthetic Approaches and Antibacterial Activity. Molecules, 2016, 21, 268.	3.8	149
7	Synthesis of chitosan composite of metal-organic framework for the adsorption of dyes; kinetic and thermodynamic approach. Journal of Hazardous Materials, 2022, 427, 127902.	12.4	103
8	Heterogeneous Fenton degradation of organic dyes in batch and fixed bed using La-Fe montmorillonite as catalyst. Journal of Colloid and Interface Science, 2017, 490, 859-868.	9.4	97
9	Bioactive Thiazine and Benzothiazine Derivatives: Green Synthesis Methods and Their Medicinal Importance. Molecules, 2016, 21, 1054.	3.8	66
10	Biodiesel production from date seed oil (Phoenix dactylifera L.) via egg shell derived heterogeneous catalyst. Chemical Engineering Research and Design, 2018, 132, 644-651.	5.6	66
11	Structure, nomenclature and viable synthesis of micro/nanoscale metal organic frameworks and their remarkable applications in adsorption of organic pollutants. Microchemical Journal, 2020, 159, 105579.	4.5	51
12	Kinetic and optimization study of sustainable biodiesel production from waste cooking oil using novel heterogeneous solid base catalyst. Bioresource Technology, 2021, 328, 124831.	9.6	50
13	TiO <sub>2</sub> nanotubes doped poly(vinylidene fluoride) polymer membranes (PVDF/TNT) for efficient photocatalytic degradation of brilliant green dye. Journal of Environmental Chemical Engineering, 2019, 7, 103291.	6.7	49
14	Evaluation of chromium phytoremediation potential of some plant species of Dir Lower, Khyber Pakhtunkhwa, Pakistan. Acta Ecologica Sinica, 2020, 40, 158-165.	1.9	45
15	Surface properties and sub-surface aggregate assimilation of rhamnolipid surfactants in different aqueous systems. Biotechnology Letters, 2010, 32, 811-816.	2.2	36
16	Reusable Na-SiO <sub>2</sub> @CeO <sub>2</sub> catalyst for efficient biodiesel production from non-edible wild olive oil as a new and potential feedstock. Energy Conversion and Management, 2021, 231, 113854.	9.2	36
17	Effect of different metal oxides on the catalytic activity of $\gamma$ -Al <sub>2</sub> O <sub>3</sub> @MgO supported bifunctional heterogeneous catalyst in biodiesel production from WCO. RSC Advances, 2016, 6, 872-881.	3.6	31
18	ADSORPTION OF As(III) FROM AQUEOUS SOLUTION ONTO IRON IMPREGNATED USED TEA ACTIVATED CARBON: EQUILIBRIUM, KINETIC AND THERMODYNAMIC STUDY. Journal of the Chilean Chemical Society, 2018, 63, 3855-3866.	1.2	29

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19	Kinetics of Chromium Ion Removal from Tannery Wastes Using Amberlite IRA-400 Cl <sup>-</sup> and its Hybrids. Water, Air, and Soil Pollution, 2010, 210, 43-50.	2.4	26
20	Catalytic conversion of spent frying oil into biodiesel over raw and 12-tungsto-phosphoric acid modified clay. Renewable Energy, 2020, 155, 181-188.	8.9	24
21	Structural Characteristics and Environmental Applications of Covalent Organic Frameworks. Energies, 2021, 14, 2267.	3.1	24
22	Thermodynamic studies of adsorption of rhodamine B and Congo red on graphene oxide. , 0, 164, 228-239.		24
23	A green route for biodiesel production from waste cooking oil over base heterogeneous catalyst. International Journal of Energy Research, 2019, 43, 5438-5446.	4.5	23
24	Nickel phytoremediation potential of some plant species of the Lower Dir, Khyber Pakhtunkhwa, Pakistan. Limnological Review, 2020, 20, 13-22.	0.5	23
25	Bifunctional Heterogeneous Catalysts for Biodiesel Production using Low Cost Feedstocks: A Future Perspective. , 0, , .		18
26	Detailed kinetics study of arsenate adsorption by a sequentially precipitated binary oxide of iron and silicon. Environmental Technology (United Kingdom), 2019, 40, 261-269.	2.2	18
27	CO <sub>2</sub> Conversion to Methanol over Novel Carbon Nanofiber-Based Cu/ZrO <sub>2</sub> Catalysts—A Kinetics Study. Catalysts, 2020, 10, 567.	3.5	17
28	Biodiesel production by valorizing waste non-edible wild olive oil using heterogeneous base catalyst: Process optimization and cost estimation. Fuel, 2022, 320, 123828.	6.4	17
29	Dielectric and impedance spectroscopic studies on (Ba <sub>0.5</sub> Sr <sub>0.5</sub> )Mnx(Ti <sub>0.95</sub> Fe <sub>0.05</sub> ) <sub>1-x</sub> O <sub>3</sub> ceramics synthesized by using sol-gel method. Journal of Alloys and Compounds, 2015, 645, 290-296.	5.5	16
30	The New High Resolution Crystal Structure of NS2B-NS3 Protease of Zika Virus. Viruses, 2017, 9, 7.	3.3	14
31	Efficient removal of methylene blue dye using mangosteen peel waste: kinetics, isotherms and artificial neural network (ANN) modelling. , 0, 86, 191-202.		13
32	Kinetic analysis on the synthesis of Mg <sub>0.95</sub> Zn <sub>0.05</sub> TiO <sub>3</sub> microwave dielectric ceramic by polymeric precursor method. Ceramics International, 2015, 41, 15089-15096.	4.8	12
33	Removal of Cu(II) from aqueous solution by iron vanadate: equilibrium and kinetics studies. , 0, 75, 124-131.		12
34	Biodiesel production from wild olive oil using TPA decorated Cr-Al acid heterogeneous catalyst. Chemical Engineering Research and Design, 2022, 178, 540-549.	5.6	11
35	Development of zerovalent iron and titania (Fe <sup>0</sup> /TiO <sub>2</sub> ) composite for oxidative degradation of dichlorophene in aqueous solution: synergistic role of peroxymonosulfate (HSO <sub>5</sub> <sup>-</sup> ). Environmental Science and Pollution Research, 2022, 29, 63041-63056.	5.3	11
36	Structural, dielectric and magnetic studies of cobalt ferrite nanoparticles for selected annealing temperatures. Journal of Materials Science: Materials in Electronics, 2018, 29, 20783-20789.	2.2	10

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37	Adsorption of Ni(II) ions from aqueous solution onto a fungus <i>Pleurotus ostreatus</i> . <i>Desalination and Water Treatment</i> , 2016, 57, 7209-7218.	1.0	9
38	Kinetic studies of graphene oxide towards the removal of rhodamine B and congo red. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 1258-1272.	3.3	9
39	High-k Polymer Nanocomposites for Energy Storage Applications. , 0, , .		7
40	Adsorption potential of macroporous Amberlyst-15 for Cd(II) removal from aqueous solutions. <i>Materials Research Express</i> , 2020, 7, 025509.	1.6	7
41	Investigation of HDTMA mediated sol gel synthesis of N-doped SnO <sub>2</sub> nanoparticles: studies of their electrical and optical properties. <i>Materials Technology</i> , 2021, 36, 169-178.	3.0	7
42	Kinetic and thermodynamic studies of polyvinyl chloride composite of manganese oxide nanosheets for the efficient removal of dye from water. <i>Water Science and Technology</i> , 2021, 84, 851-864.	2.5	7
43	Biodiesel production from waste cooking oil employing natural bentonite supported heterogeneous catalyst: Waste to biodiesel. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 1450-1459.	2.7	7
44	Dielectric and ferroelectric properties of the sol-gel derived Zr-doped Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> polycrystalline ceramic systems. <i>International Journal of Applied Ceramic Technology</i> , 2017, 14, 604-610.	2.1	6
45	Thermodynamic Study of Adsorption of Methyl Orange and Congo Red from Aqueous Solutions by PVP-Functionalized ZnO. <i>Russian Journal of Physical Chemistry A</i> , 2020, 94, 1581-1586.	0.6	6
46	Equilibrium, kinetics, mechanism and thermodynamics studies of As(III) adsorption from aqueous solution using iron impregnated used tea. , 0, 104, 135-148.		6
47	Efficient removal of hazardous malachite green dye from aqueous solutions using H <sub>2</sub> O <sub>2</sub> modified activated carbon as potential low-cost adsorbent: kinetic, equilibrium, and thermodynamic studies. , 0, 151, 167-182.		6
48	Co-Ion Effect on Cr <sup>3+</sup> Sorption by Amberlyst-15(H <sup>+</sup> ). <i>Water, Air, and Soil Pollution</i> , 2011, 217, 57-65.	2.4	5
49	Effect of La substitution on the microstructure and dielectric properties of the sol-gel derived BaZr <sub>0.2</sub> Ti <sub>0.8</sub> O <sub>3</sub> thin films. <i>Thin Solid Films</i> , 2016, 611, 68-73.	1.8	5
50	Synthesis, kinetic analysis and electrical characterization of (Ca <sub>0.8</sub> Sr <sub>0.2</sub> ) <sub>0.6</sub> La <sub>0.267</sub> TiO <sub>3</sub> by polymeric precursor method. <i>Journal of Alloys and Compounds</i> , 2016, 672, 298-306.	5.5	5
51	A Novel Insight into the Adsorption Interactions of Arsenate with a Fe-Si Binary Oxide. <i>Colloid Journal</i> , 2019, 81, 469-477.	1.3	5
52	A novel iron modified montmorillonite composite and its enhanced performance for tetracycline hydrochloride adsorption. <i>Functional Materials Letters</i> , 2019, 12, 1950014.	1.2	5
53	Effect of Temperature on Cd <sup>2+</sup> Sorption by Mixed Oxides of Iron and Silicon. <i>Chinese Journal of Chemistry</i> , 2010, 28, 2204-2208.	4.9	4
54	Synthesis, characterization and dielectric properties of Ba <sub>1-x</sub> La <sub>x</sub> Ti <sub>1-x</sub> /4O <sub>3</sub> powders and ceramics synthesized by sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 5635-5644.	2.2	4

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55	Ebola, the Negative Stranded RNA Virus. , 0, , .		4
56	A spectroscopic and Monte Carlo study of the unexpected promotion of interfacial H <sub>4</sub> SiO <sub>4</sub> polymerization on an iron oxide in the presence of arsenate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 486, 69-77.	4.7	3
57	Zika Virus, Microcephaly and its Possible Global Spread. , 2018, , .		3
58	Preparation of Nano-Particles and Their Applications in Adsorption. , 0, , .		3
59	Utilization of indigenous gurgure (Monotheca Buxifolia) waste seeds as a potential feedstock for biodiesel production using environmentally benign bismuth modified CaO catalyst. Chemical Engineering Research and Design, 2022, 183, 67-76.	5.6	3
60	Selective Sorption of Chromium from Tannery Wastes by Hybrid Cation Exchange Resin. Asian Journal of Chemistry, 2014, 26, 4351-4355.	0.3	2
61	Impedance spectroscopic characterization of the sol-gel derived tetragonal BaTiO <sub>3</sub> in a broad temperature range. Journal of Materials Science: Materials in Electronics, 2015, 26, 10172-10178.	2.2	2
62	Effect of (Ca <sub>0.8</sub> Sr <sub>0.2</sub> ) <sub>0.6</sub> La <sub>0.267</sub> TiO <sub>3</sub> on Phase, Microstructure, and Microwave Dielectric Properties of Mg <sub>0.95</sub> Zn <sub>0.05</sub> TiO <sub>3</sub> Synthesized by Polymeric Precursor Method. Journal of Electronic Materials, 2016, 45, 4108-4116.	2.2	2
63	Mn-doped Ba <sub>0.45</sub> Sr <sub>0.55</sub> TiO <sub>3</sub> Ceramic Systems: Dielectric and Impedance Spectroscopic Characterization. International Journal of Applied Ceramic Technology, 2016, 13, 1084-1089.	2.1	2
64	Microwave dielectric properties of Mg <sub>0.95</sub> Co <sub>0.05</sub> TiO <sub>3</sub> -(Ca <sub>0.8</sub> Sr <sub>0.2</sub> ) <sub>0.6</sub> La <sub>0.267</sub> TiO <sub>3</sub> ceramics synthesized by polymeric precursor method. Journal of Materials Science: Materials in Electronics, 2016, 27, 3506-3513.	2.2	2
65	Graphene/Metal Oxide Nanocomposite Usage as Photoanode in Dye-Sensitized and Perovskite Solar Cells. , 2020, , .		2
66	Reporting the magnetic profile of cobalt ferrite nanoparticles at different temperatures. International Journal of Materials Research, 2021, 112, 391-396.	0.3	2
67	Fixed-bed column adsorption of methyl orange by poly(vinyl pyrrolidone)-functionalized manganese oxide. Journal of Chemical Technology and Biotechnology, 2022, 97, 2898-2903.	3.2	2
68	Photo-catalytic degradation of Acid Yellow 17 azo dye using ZrO <sub>2</sub> -CeO <sub>2</sub> hollow microspheres as a catalyst. , 0, 170, 318-324.		1
69	Computational Simulation of Conjugated Cholera Toxin Protein. Molecular Genetics, Microbiology and Virology, 2021, 36, S13-S22.	0.3	1
70	Organic Inorganic Perovskites: A Low-Cost-Efficient Photovoltaic Material. , 0, , .		0
71	A Comparative Study for the Effect of Calcination on the Temperature-Dependant Magnetic Properties of Cobalt Ferrite Nanoparticles. Journal of Superhard Materials, 2021, 43, 278-284.	1.2	0
72	Feasibility of Biodiesel Production in Pakistan. , 0, , .		0

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73	Wild Olive Oil as a Novel and Sustainable Feedstock for Biodiesel Production: Overviewed Various Feedstock, Methodologies and Reaction Mechanisms of Different Catalysts. Catalysis Surveys From Asia, O, , .	2.6	0