

# Imtiaz Ahmad

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,068  
citations

516561

16  
h-index

434063

31  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1332  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrolysis Study of Polypropylene and Polyethylene Into Premium Oil Products. International Journal of Green Energy, 2015, 12, 663-671.	2.1	269
2	Enrichment, spatial distribution of potential ecological and human health risk assessment via toxic metals in soil and surface water ingestion in the vicinity of Sewakht mines, district Chitral, Northern Pakistan. Ecotoxicology and Environmental Safety, 2018, 154, 127-136.	2.9	113
3	Highly efficient removal of acid red 17 and bromophenol blue dyes from industrial wastewater using graphene oxide functionalized magnetic chitosan composite. Polymer Composites, 2018, 39, 3317-3328.	2.3	69
4	Adsorptive desulfurization of kerosene and diesel oil by Zn impregnated montmorillonite clay. Arabian Journal of Chemistry, 2017, 10, S3263-S3269.	2.3	62
5	Self-assembled three-dimensional reduced graphene oxide-based hydrogel for highly efficient and facile removal of pharmaceutical compounds from aqueous solution. Journal of Colloid and Interface Science, 2018, 527, 356-367.	5.0	62
6	Adsorptive desulphurization study of liquid fuels using Tin (Sn) impregnated activated charcoal. Journal of Hazardous Materials, 2016, 304, 205-213.	6.5	48
7	Adsorptive desulfurization of model oil using untreated, acid activated and magnetite nanoparticle loaded bentonite as adsorbent. Journal of Saudi Chemical Society, 2017, 21, 143-151.	2.4	48
8	Interfacial Energy-Level Alignment for High-Performance All-Inorganic Perovskite CsPbBr <sub>3</sub> Quantum Dot-Based Inverted Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 13236-13243.	4.0	44
9	Influence of metal oxide-supported bentonites on the pyrolysis behavior of polypropylene and high-density polyethylene. Journal of Applied Polymer Science, 2015, 132, .	1.3	26
10	Overcoming the Electroluminescence Efficiency Limitations in Quantum Dot Light-Emitting Diodes. Advanced Optical Materials, 2019, 7, 1900695.	3.6	26
11	Removal of methyl violet 2-B from aqueous solutions using untreated and magnetite-impregnated almond shell as adsorbents. Desalination and Water Treatment, 2016, 57, 13484-13493.	1.0	24
12	Deep Desulphurization Study of Liquid Fuels Using Acid Treated Activated Charcoal as Adsorbent. Energy & Fuels, 2017, 31, 7867-7873.	2.5	22
13	Photocatalytic oxidative degradation of hydrocarbon pollutants in refinery wastewater using TiO <sub>2</sub> as catalyst. Water Environment Research, 2020, 92, 2086-2094.	1.3	21
14	Pyrolysis of HDPE into fuel like products: Evaluating catalytic performance of plain and metal oxides impregnated waste brick kiln dust. Journal of Analytical and Applied Pyrolysis, 2017, 124, 195-203.	2.6	20
15	Crafting CdTe/CdS QDs surface for the selective recognition of formaldehyde gas via ratiometric contrivance. Sensors and Actuators B: Chemical, 2020, 304, 127379.	4.0	19
16	Study on adsorptive capability of acid activated charcoal for desulphurization of model and commercial fuel oil samples. Journal of Environmental Chemical Engineering, 2018, 6, 4037-4043.	3.3	18
17	Catalytic Pyrolysis of Used Engine Oil over Coal Ash into Fuel-like Products. Energy & Fuels, 2016, 30, 204-218.	2.5	16
18	Adsorption and recovery of hexavalent chromium from tannery wastewater over magnetic max phase composite. Separation Science and Technology, 2021, 56, 439-452.	1.3	15

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19	Desulfurization of Lakhra coal by combined leaching and catalytic oxidation techniques. International Journal of Coal Preparation and Utilization, 2022, 42, 124-140.	1.2	13
20	Degradation study of used polystyrene with UV irradiation. Advanced Material Science, 2017, 2, .	0.3	13
21	Production of diesel-like fuel from spent engine oil by catalytic pyrolysis over natural magnetite. Journal of Analytical and Applied Pyrolysis, 2016, 120, 493-500.	2.6	11
22	Encapsulation and controlled release of fragrances from MIL-101(Fe)-based recyclable magnetic nanoporous carbon. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 640, 128453.	2.3	11
23	Monitoring of oxidation behavior in mineral base oil additized with biomass derived antioxidants using FT-IR spectroscopy. RSC Advances, 2015, 5, 101089-101100.	1.7	9
24	Valorization of spent lubricant engine oil via catalytic pyrolysis: Influence of barium-strontium ferrite on product distribution and composition. Journal of Analytical and Applied Pyrolysis, 2016, 122, 131-141.	2.6	9
25	Synthesis and Characterization of Graphene/Fe <sub>3</sub> O <sub>4</sub> Nanocomposite as an Effective Adsorbent for Removal of Acid Red-17 and Remazol Brilliant Blue R from Aqueous Solutions. Current Nanoscience, 2016, 12, 554-563.	0.7	9
26	Transport of Zn (II) by TDDA-Polypropylene Supported Liquid Membranes and Recovery from Waste Discharge Liquor of Galvanizing Plant of Zn (II). Journal of Chemistry, 2017, 2017, 1-9.	0.9	8
27	Highly Selective Supramolecular Detection of Pefloxacin with Gold Nanoparticles. Sensor Letters, 2016, 14, 310-318.	0.4	7
28	Desulfurization and de-ashing of low-rank coal by catalytic oxidation using Sn as catalyst loaded in different forms. International Journal of Coal Preparation and Utilization, 2022, 42, 2260-2276.	1.2	7
29	Synthesis and characterization of iron(III) oxide/polyvinyl chloride/poly(methyl methacrylate) nanocomposites. Instrumentation Science and Technology, 2016, 44, 566-576.	0.9	6
30	Oxidative Stability of Base Lubricant Oil Monitored by Gas Chromatography-Mass Spectrometry: Influence of Sawdust-Derived Antioxidants. Energy & Fuels, 2017, 31, 7653-7661.	2.5	6
31	Application of composite adsorbents prepared from waste PS and PET for removal of Cr and Cu ions from wastewater. , 0, 171, 144-157.		6
32	Oxidative Stability of the Plain and Additized Mineral Base Oil Samples Monitored through Gas Chromatography-Mass Spectrometry. Energy & Fuels, 2015, 29, 6522-6528.	2.5	5
33	Production of Lighter Fuels from Spent Lubricating Oil via Pyrolysis over Barium-Substituted Spinel Ferrite. Energy & Fuels, 2016, 30, 4781-4789.	2.5	5
34	Desulphurization of Transportation Fuels by Per-Formic Acid Oxidant Using MoO <sub>x</sub> Loaded on ZSM-5 Catalyst. Journal of Power and Energy Engineering, 2017, 05, 87-99.	0.3	5
35	Study on Atmospheric Distillation of Some Plain and Chemically Dispersed Crude Oils: Comparison of Yields and Fuel Quality of Distillate Fractions. Energy & Fuels, 2018, 32, 181-190.	2.5	4
36	Characterizing Antioxidant Potential of Alcoholic Extracts of Rice Husk and Saw Dust for Oxidative Stability of Base Lubricating Oil Using Physico-chemical Properties. Waste and Biomass Valorization, 2016, 7, 331-341.	1.8	2

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37	Influence of waste brick kiln dust on pyrolytic conversion of polypropylene in to potential automotive fuels. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 126, 247-256.	2.6	2
38	Enhanced and Facile Desulfurization of Commercial Oil Using Air-Assisted Performic Acid Oxidation System. <i>Environmental Engineering Science</i> , 2019, 36, 1404-1411.	0.8	2
39	Influence of surfactants on dispersity of Pakistani crude oils for resource recovery and residue reduction during distillation. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102952.	3.3	2
40	Antioxidant performance of bio-oils in oxidative stability of base lubricating oil determined through TGA and PDSC techniques. <i>Thermochimica Acta</i> , 2022, 713, 179241.	1.2	2
41	Catalytic Performance of Metal Impregnated Carbon (Darco) in Conversion of Polypropylene and High-Density Polyethylene into Useful Products. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 627-639.	1.0	1
42	2-Methanesulfonamidobenzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o2453-o2453.	0.2	1