

# Muhammad Sajid

## List of Publications by Year in descending order

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36  
papers

1,084  
citations

471509

17  
h-index

454955

30  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1035  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synoptic view on P ore beneficiation techniques. AEJ - Alexandria Engineering Journal, 2022, 61, 3069-3092.	6.4	19
2	Catalytic conversion of sucrose to 5-hydroxymethylfurfural in green aqueous and organic medium. Journal of Environmental Chemical Engineering, 2022, 10, 106613.	6.7	9
3	Adsorption characteristics of paracetamol removal onto activated carbon prepared from Cannabis sativum Hemp. AEJ - Alexandria Engineering Journal, 2022, 61, 7203-7212.	6.4	39
4	A remarkable chaotic analysis for coherence fraction order with its applications. Chaos, Solitons and Fractals, 2022, 154, 111601.	5.1	2
5	Multi-Hazard Susceptibility Assessment Using the Analytical Hierarchy Process and Frequency Ratio Techniques in the Northwest Himalayas, Pakistan. Remote Sensing, 2022, 14, 554.	4.0	30
6	Ionic liquid-mediated CO <sub>2</sub> conversion. , 2022, , 225-233.		0
7	Parameter Identification and the Finite-Time Combinationâ€“Combination Synchronization of Fractional-Order Chaotic Systems with Different Structures under Multiple Stochastic Disturbances. Mathematics, 2022, 10, 712.	2.2	7
8	Self-supporting NiCoP for hydrogen generation via hydrolysis of ammonia borane. Fuel, 2022, 318, 123544.	6.4	21
9	Conversion of Fructose to 5-Hydroxymethyl Furfural: Mathematical Solution with Experimental Validation. Journal of Mathematics, 2022, 2022, 1-8.	1.0	5
10	Syngas from microalgae. , 2022, , 571-596.		2
11	Effective pretreatment of corn straw biomass using hydrothermal carbonization for co-gasification with coal: Response surface Methodologyâ€“Box Behnken design. Fuel, 2022, 324, 124544.	6.4	19
12	Analytical perspective and environmental remediation potentials of magnetic composite nanosorbents. Chemosphere, 2022, 304, 135312.	8.2	22
13	Design strategies, surface functionalization, and environmental remediation potentialities of polymer-functionalized nanocomposites. Chemosphere, 2022, 306, 135656.	8.2	9
14	Conversion of Glucose to 5-Hydroxymethylfurfural by Co-catalysis of p-Toluenesulfonic Acid (pTSA) and Chlorides: A Comparison Based on Kinetic Modeling. Waste and Biomass Valorization, 2021, 12, 3271-3286.	3.4	18
15	Effect of silica nanoparticles on carbon dioxide separation performances of PVA/PEG cross-linked membranes. Chemical Papers, 2021, 75, 3131-3153.	2.2	23
16	Comparative study of adsorptive removal of oxyanion (Cr <sub>2</sub> O <sub>4</sub> <sup>-2</sup> ) from aqueous media over unmodified and magnetically modified Melia azedarach. IOP Conference Series: Materials Science and Engineering, 2021, 1101, 012031.	0.6	1
17	Catalytic Conversion of Xylose to Furfural by p-Toluenesulfonic Acid (pTSA) and Chlorides: Process Optimization and Kinetic Modeling. Molecules, 2021, 26, 2208.	3.8	24
18	An Analytical Approach to Study the Blood Flow over a Nonlinear Tapering Stenosed Artery in Flow of Carreau Fluid Model. Complexity, 2021, 2021, 1-11.	1.6	16

#	ARTICLE	IF	CITATIONS
19	Regio- and stereoselective functionalization of alkenes with emphasis on mechanistic insight and sustainability concerns. <i>Journal of Saudi Chemical Society</i> , 2021, 25, 101260.	5.2	20
20	A secondary approach with conventional medicines and supplements to recuperate current COVID-19 status. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 111956.	5.6	13
21	Geo-physical hazards microzonation and suitable site selection through multicriteria analysis using geographical information system. <i>Applied Geography</i> , 2021, 135, 102550.	3.7	13
22	Role of Cysteine in Enhanced Degradation of Trichloroethane under Ferrous Percarbonate System. <i>Chemical Engineering Journal</i> , 2021, 423, 130221.	12.7	24
23	Designing small organic non-fullerene acceptor molecules with diflorobenzene or quinoline core and dithiophene donor moiety through density functional theory. <i>Scientific Reports</i> , 2021, 11, 19683.	3.3	29
24	An Efficient Mathematical Approach for the Fraction Order Differentiation Based on Future Applications of Chaotic Parameter. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-11.	1.1	2
25	A new analytical approach to study chaos fraction characterization by using intensity interferometry. <i>Chaos, Solitons and Fractals</i> , 2021, 152, 111414.	5.1	9
26	Sustainable production of levulinic acid and its derivatives for fuel additives and chemicals: progress, challenges, and prospects. <i>Green Chemistry</i> , 2021, 23, 9198-9238.	9.0	61
27	Organic acid catalyzed production of platform chemical 5-hydroxymethylfurfural from fructose: Process comparison and evaluation based on kinetic modeling. <i>Arabian Journal of Chemistry</i> , 2020, 13, 7430-7444.	4.9	36
28	Contamination Level, Ecological Risk, and Source Identification of Heavy Metals in the Hyporheic Zone of the Weihe River, China. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1070.	2.6	83
29	Effects of Temperature and Pressure on Reservoir Fluids and Seismic Properties of Reservoir Rocks. <i>International Journal of Pharmaceutical Sciences Review and Research</i> , 2020, 63, 36-43.	0.1	2
30	Screening of acidic and alkaline pretreatments for walnut shell and corn stover biorefining using two way heterogeneity evaluation. <i>Renewable Energy</i> , 2019, 132, 950-958.	8.9	39
31	Production of 2,5-furandicarboxylic acid (FDCA) from 5-hydroxymethylfurfural (HMF): recent progress focusing on the chemical-catalytic routes. <i>Green Chemistry</i> , 2018, 20, 5427-5453.	9.0	445
32	Adsorption of Brilliant Green Dye on Biochar Prepared From Lignocellulosic Bioethanol Plant Waste. <i>Clean - Soil, Air, Water</i> , 2016, 44, 55-62.	1.1	37
33	Study of Phosphorous oxide (P <sub>2</sub> O <sub>5</sub> ) and Iron oxide (Fe <sub>2</sub> O <sub>3</sub> ) in rock phosphate of Hazara basin of Pakistan. <i>International Journal of Agrochemistry</i> , 0, , .	0.0	3
34	AN EFFICIENT ANALYSIS OF DIFFERENCE EQUATIONS WITH COHERENCE FRACTION UNDER THE INFLUENCE OF BOSON INTERFEROMETRY. <i>Fractals</i> , 0, , .	3.7	2
35	Self-Supporting NiCoP for Hydrogen Generation Via Hydrolysis of Ammonia Borane. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
36	Effective Pretreatment of Corn Straw Biomass Using Hydrothermal Carbonization for Co-Gasification with Coal: Response Surface Methodology "Box Behnken Design. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0