

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	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
2	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
3	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
4	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
5	Adsorption characteristics of paracetamol removal onto activated carbon prepared from Cannabis sativum Hemp. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 7203-7212.	6.4	39
6	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
7	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
8	Multi-Hazard Susceptibility Assessment Using the Analytical Hierarchy Process and Frequency Ratio Techniques in the Northwest Himalayas, Pakistan. <i>Remote Sensing</i> , 2022, 14, 554.	4.0	30
9	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
10	Catalytic Conversion of Xylose to Furfural by p-Toluenesulfonic Acid (pTSA) and Chlorides: Process Optimization and Kinetic Modeling. <i>Molecules</i> , 2021, 26, 2208.	3.8	24
11	Role of Cysteine in Enhanced Degradation of Trichloroethane under Ferrous Percarbonate System. <i>Chemical Engineering Journal</i> , 2021, 423, 130221.	12.7	24
12	Effect of silica nanoparticles on carbon dioxide separation performances of PVA/PEG cross-linked membranes. <i>Chemical Papers</i> , 2021, 75, 3131-3153.	2.2	23
13	Analytical perspective and environmental remediation potentials of magnetic composite nanosorbents. <i>Chemosphere</i> , 2022, 304, 135312.	8.2	22
14	Self-supporting NiCoP for hydrogen generation via hydrolysis of ammonia borane. <i>Fuel</i> , 2022, 318, 123544.	6.4	21
15	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
16	Synoptic view on P ore beneficiation techniques. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 3069-3092.	6.4	19
17	Effective pretreatment of corn straw biomass using hydrothermal carbonization for co-gasification with coal: Response surface Methodologyâ€“Box Behnken design. <i>Fuel</i> , 2022, 324, 124544.	6.4	19
18	Conversion of Glucose to 5-Hydroxymethylfurfural by Co-catalysis of p-Toluenesulfonic Acid (pTSA) and Chlorides: A Comparison Based on Kinetic Modeling. <i>Waste and Biomass Valorization</i> , 2021, 12, 3271-3286.	3.4	18

#	ARTICLE	IF	CITATIONS
19	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
20	A secondary approach with conventional medicines and supplements to recuperate current COVID-19 status. Biomedicine and Pharmacotherapy, 2021, 142, 111956.	5.6	13
21	Geo-physical hazards microzonation and suitable site selection through multicriteria analysis using geographical information system. Applied Geography, 2021, 135, 102550.	3.7	13
22	A new analytical approach to study chaos fraction characterization by using intensity interferometry. Chaos, Solitons and Fractals, 2021, 152, 111414.	5.1	9
23	Catalytic conversion of sucrose to 5-hydroxymethylfurfural in green aqueous and organic medium. Journal of Environmental Chemical Engineering, 2022, 10, 106613.	6.7	9
24	Design strategies, surface functionalization, and environmental remediation potentialities of polymer-functionalized nanocomposites. Chemosphere, 2022, 306, 135656.	8.2	9
25	Parameter Identification and the Finite-Time Combination of Fractional-Order Chaotic Systems with Different Structures under Multiple Stochastic Disturbances. Mathematics, 2022, 10, 712.	2.2	7
26	Conversion of Fructose to 5-Hydroxymethyl Furfural: Mathematical Solution with Experimental Validation. Journal of Mathematics, 2022, 2022, 1-8.	1.0	5
27	Study of Phosphorous oxide (P ₂ O ₅) and Iron oxide (Fe ₂ O ₃) in rock phosphate of Hazara basin of Pakistan. International Journal of Agrochemistry, 0, , .	0.0	3
28	An Efficient Mathematical Approach for the Fraction Order Differentiation Based on Future Applications of Chaotic Parameter. Mathematical Problems in Engineering, 2021, 2021, 1-11.	1.1	2
29	AN EFFICIENT ANALYSIS OF DIFFERENCE EQUATIONS WITH COHERENCE FRACTION UNDER THE INFLUENCE OF BOSON INTERFEROMETRY. Fractals, 0, , .	3.7	2
30	Effects of Temperature and Pressure on Reservoir Fluids and Seismic Properties of Reservoir Rocks. International Journal of Pharmaceutical Sciences Review and Research, 2020, 63, 36-43.	0.1	2
31	A remarkable chaotic analysis for coherence fraction order with its applications. Chaos, Solitons and Fractals, 2022, 154, 111601.	5.1	2
32	Syngas from microalgae. , 2022, , 571-596.		2
33	Comparative study of adsorptive removal of oxyanion (Cr ₂ O ₄ ⁻²) from aqueous media over unmodified and magnetically modified Melia azedarach. IOP Conference Series: Materials Science and Engineering, 2021, 1101, 012031.	0.6	1
34	Self-Supporting NiCoP for Hydrogen Generation Via Hydrolysis of Ammonia Borane. SSRN Electronic Journal, 0, , .	0.4	0
35	Ionic liquid-mediated CO ₂ conversion. , 2022, , 225-233.		0
36	Effective Pretreatment of Corn Straw Biomass Using Hydrothermal Carbonization for Co-Gasification with Coal: Response Surface Methodology of Box Behnken Design. SSRN Electronic Journal, 0, , .	0.4	0