

Muhammad Ali

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

2,828
citations

257450

24
h-index

197818

49
g-index

114
all docs

114
docs citations

114
times ranked

3651
citing authors

#	ARTICLE	IF	CITATIONS
1	In-situ microaeration of anaerobic digester treating buffalo manure for enhanced biogas yield. <i>Renewable Energy</i> , 2022, 181, 843-850.	8.9	8
2	Quantification study of working fatigue state affected by coal mine noise exposure based on fuzzy comprehensive evaluation. <i>Safety Science</i> , 2022, 146, 105577.	4.9	17
3	Factors associated with prevalence of diarrhea among children under five years of age in Pakistan. <i>Children and Youth Services Review</i> , 2022, 132, 106303.	1.9	10
4	Orthogonal Numerical Analysis of Deformation and Failure Characteristics of Deep Roadway in Coal Mines: A Case Study. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 185.	2.0	22
5	Proteome-scale mapping of binding sites in the unstructured regions of the human proteome. <i>Molecular Systems Biology</i> , 2022, 18, e10584.	7.2	33
6	Inverse problem for a multi-parameters space-time fractional diffusion equation with nonlocal boundary conditions: operational calculus approach. <i>Journal of Pseudo-Differential Operators and Applications</i> , 2022, 13, 1.	0.7	3
7	An Efficient Power Management System Using Dynamically Configured Multiple Triboelectric Nanogenerators and Dual-Parameter Maximum Power Point Tracking. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	8
8	TULP3 NLS inhibition: an <i>in silico</i> study to hamper cargo transport to nucleus. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, , 1-9.	3.5	0
9	Leveraging large multi-center cohorts of Alzheimer disease endophenotypes to understand the role of Klotho heterozygosity on disease risk. <i>PLoS ONE</i> , 2022, 17, e0267298.	2.5	9
10	Some inverse problems for time-fractional diffusion equation with nonlocal Samarskii-Tonkin type condition. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 8447-8462.	2.3	3
11	Experimental Study of Electric Potential Response Characteristics of Different Lithological Samples Subject to Uniaxial Loading. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 397-408.	5.4	31
12	Prediction of putative epitope-based vaccine against all corona virus strains for the Chinese population: Approach toward development of vaccine. <i>Microbiology and Immunology</i> , 2021, 65, 154-160.	1.4	2
13	Integrated analysis of Shank1 PDZ interactions with C-terminal and internal binding motifs. <i>Current Research in Structural Biology</i> , 2021, 3, 41-50.	2.2	4
14	Cytoplasmic short linear motifs in ACE2 and integrin β 3 link SARS-CoV-2 host cell receptors to mediators of endocytosis and autophagy. <i>Science Signaling</i> , 2021, 14, .	3.6	65
15	Complementary feeding practices and associated factors among children aged 6-23 months in Pakistan. <i>PLoS ONE</i> , 2021, 16, e0247602.	2.5	26
16	Sanitation ladder and undernutrition among under-five children in Pakistan. <i>Environmental Science and Pollution Research</i> , 2021, 28, 38749-38763.	5.3	4
17	On the recovery of a time dependent diffusion coefficient for a space fractional diffusion equation. <i>Analysis and Mathematical Physics</i> , 2021, 11, 1.	1.3	1
18	Adaptation and Codon-Usage Preference of Apple and Pear-Infecting Apple Stem Grooving Viruses. <i>Microorganisms</i> , 2021, 9, 1111.	3.6	4

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19	Study on Acoustic Emission Characteristics and Mechanical Behavior of Water-Saturated Coal. <i>Geofluids</i> , 2021, 2021, 1-7.	0.7	6
20	Inertant effects and mechanism of Al(OH) ₃ powder on polyethylene dust explosions based on flame propagation behavior and thermal analysis. <i>Fire Safety Journal</i> , 2021, 124, 103392.	3.1	18
21	Evolution of industrial diversification and its determinants in West Germany: Evidence from population data of enterprises. <i>PLoS ONE</i> , 2021, 16, e0259352.	2.5	2
22	Antioxidant and antibacterial activities of <i>Artemisia absinthium</i> and <i>Citrus paradisi</i> extracts repress viability of aggressive liver cancer cell line. <i>Molecular Biology Reports</i> , 2021, 48, 7703-7710.	2.3	9
23	Energy Dissipation and Electromagnetic Radiation Response of Sandstone Samples with a Pre-Existing Crack of Various Inclinations under an Impact Load. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1363.	2.0	8
24	Inverse Problems for Diffusion Equation with Fractional Dzherbashian-Nersesian Operator. <i>Fractional Calculus and Applied Analysis</i> , 2021, 24, 1899-1918.	2.2	14
25	Inverse source problems for a space-time fractional differential equation. <i>Inverse Problems in Science and Engineering</i> , 2020, 28, 47-68.	1.2	22
26	Construction and application of a superplasmid for enhanced production of antibiotics. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1647-1660.	3.6	3
27	Response of growth, antioxidant enzymes and root exudates production towards As stress in <i>Pteris vittata</i> and in <i>Astragalus sinicus</i> colonized by arbuscular mycorrhizal fungi. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2340-2352.	5.3	34
28	Study on characteristics of EP responding to coal mining. <i>Engineering Fracture Mechanics</i> , 2020, 224, 106780.	4.3	15
29	Cloning and Heterologous Expression of Hepatitis B Virus Pre-Surface Antigen 1. <i>Molecular Genetics, Microbiology and Virology</i> , 2020, 35, 112-116.	0.3	0
30	3D modeling of the influence of a splay fault on controlling the propagation of nonlinear stress waves induced by blast loading. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 138, 106335.	3.8	21
31	Identification of the potential type 2 diabetes susceptibility genetic elements in South Asian populations. <i>Meta Gene</i> , 2020, 26, 100771.	0.6	4
32	Fabrication of high magnetic performance Fe-50Ni alloy by powder injection molding. <i>Materials and Manufacturing Processes</i> , 2020, 35, 1557-1566.	4.7	0
33	First Report of <i>Duranta leaf curl virus</i> Infecting <i>Ficus virens</i> Showing Leaf Curl Symptoms in Pakistan. <i>Plant Disease</i> , 2020, 104, 2034.	1.4	8
34	Numerical simulation of the morphological effect of rock joints in the processes of concentrating elastic strain energy: a direct shear study. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	6
35	Rockburst Risk Analysis During High-Hard Roof Breaking in Deep Mines. <i>Natural Resources Research</i> , 2020, 29, 4085-4101.	4.7	27
36	Wheat genomics and genome editing. , 2020, , 331-346.		2

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37	Influence of powder loading on rheology and injection molding of Fe-50Ni feedstocks. <i>Materials and Manufacturing Processes</i> , 2020, 35, 579-589.	4.7	9
38	Economic diversification and human development in Europe. <i>Eurasian Economic Review</i> , 2020, 10, 211-235.	3.0	10
39	Study on microstructure characteristics of material evidence in coal dust explosion and its significance in accident investigation. <i>Fuel</i> , 2020, 265, 116992.	6.4	38
40	Study on sealing effect of pre-drainage gas borehole in coal seam based on air-gas mixed flow coupling model. <i>Chemical Engineering Research and Design</i> , 2020, 136, 15-27.	5.6	37
41	SARS-CoV-2 and the hidden carriers: Sewage, feline, and blood transfusion. <i>Journal of Medical Virology</i> , 2020, 92, 2291-2292.	5.0	12
42	Pyoverdine-Mediated Killing of <i>Caenorhabditis elegans</i> by <i>Pseudomonas syringae</i> MBO3 and the Role of Iron in Its Pathogenicity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2198.	4.1	11
43	Next-generation sequencing in bread wheat. , 2020, , 311-320.		0
44	Diisonitrile-Mediated Reactive Oxygen Species Accumulation Leads to Bacterial Growth Inhibition. <i>Journal of Natural Products</i> , 2020, 83, 1634-1640.	3.0	6
45	3D modelling of the strength effect of backfill-rocks on controlling rockburst risk: a case study. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	15
46	Inverse Problem for a Multi-Term Fractional Differential Equation. <i>Fractional Calculus and Applied Analysis</i> , 2020, 23, 799-821.	2.2	12
47	Maternal Determinants of Childhood Stunting. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2020, , 19-36.	0.4	1
48	The Effect of GDP Growth and Inflation on Changes in Stock Company Prices Listing on the IDX 2016-2018. <i>International Journal of Psychosocial Rehabilitation</i> , 2020, 24, 3468-3473.	0.1	0
49	Financial Performance Analysis Based on Profitability Ratio (Study at PT Astra International Tbk Period) Tj ETQq1 1 0.784314 $\frac{rgBT}{Ov}$ 0.1		
50	<i>Infundibulicybe macrospora</i> sp. nov., a new and noteworthy species from Himalayan moist temperate forests of Pakistan. <i>Phytotaxa</i> , 2020, 452, 268-277.	0.3	3
51	First Report of <i>Papaya leaf curl virus</i> Associated with Leaf Curl Disease in <i>Cestrum nocturnum</i> in Pakistan. <i>Plant Disease</i> , 2020, 104, 3089.	1.4	5
52	Isolation, characterization and efficacy of phage MJ2 against biofilm forming multi-drug resistant <i>Enterobacter cloacae</i> . <i>Folia Microbiologica</i> , 2019, 64, 101-111.	2.3	33
53	A study on the FTIR spectra of pre- and post-explosion coal dust to evaluate the effect of functional groups on dust explosion. <i>Chemical Engineering Research and Design</i> , 2019, 130, 48-56.	5.6	55
54	ANALYSIS ON THE TIME-FREQUENCY CHARACTERISTICS OF ULTRASONIC WAVEFORM OF COAL UNDER UNIAXIAL LOADING. <i>Fractals</i> , 2019, 27, 1950100.	3.7	20

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55	Prevalence of Hepatitis C Virus Genotypes in Pakistan: Current Scenario and Review of Literature. <i>Viral Immunology</i> , 2019, 32, 402-413.	1.3	22
56	A review of processing techniques for Fe-Ni soft magnetic materials. <i>Materials and Manufacturing Processes</i> , 2019, 34, 1580-1604.	4.7	18
57	An experimental study on the precursory characteristics of EP before sandstone failure based on critical slowing down. <i>Journal of Applied Geophysics</i> , 2019, 170, 103818.	2.1	33
58	Experimental Study on Electric Potential Response Characteristics of Gas-Bearing Coal During Deformation and Fracturing Process. <i>Processes</i> , 2019, 7, 72.	2.8	18
59	Binder removal by a two-stage debinding process for powder injection molding Fe-50Ni alloy parts. <i>Materials Research Express</i> , 2019, 6, 0865e3.	1.6	4
60	Mechanical behaviors and acoustic emission fractal characteristics of coal specimens with a pre-existing flaw of various inclinations under uniaxial compression. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2019, 116, 38-51.	5.8	143
61	Multisectoral approach to nutrition in Pakistan. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2019, 9, 152-163.	1.8	6
62	Economic Diversification and Human Development in South Asia. <i>Journal of Asian and African Studies</i> , 2019, 54, 674-690.	1.5	4
63	Overcoming mine safety crisis in Pakistan: An appraisal. <i>Process Safety Progress</i> , 2019, 38, e12041.	1.0	24
64	Explosion-Induced Stress Wave Propagation in Interacting Fault System: Numerical Modeling and Implications for Chaoyang Coal Mine. <i>Shock and Vibration</i> , 2019, 2019, 1-12.	0.6	11
65	Data-mining approach for screening of rare genetic elements associated with predisposition of prostate cancer in South-Asian populations. <i>Biyokimya Dergisi</i> , 2019, 44, 848-854.	0.5	3
66	Precursory changes in wave velocity for coal and rock samples under cyclic loading. <i>Results in Physics</i> , 2019, 12, 432-434.	4.1	15
67	Bacteriophages: an overview of the control strategies against multiple bacterial infections in different fields. <i>Journal of Basic Microbiology</i> , 2019, 59, 123-133.	3.3	80
68	Vanadium toxicity in chickpea (<i>Cicer arietinum</i> L.) grown in red soil: Effects on cell death, ROS and antioxidative systems. <i>Ecotoxicology and Environmental Safety</i> , 2018, 158, 139-144.	6.0	69
69	Characteristics and precursor information of electromagnetic signals of mining-induced coal and gas outburst. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 54, 206-215.	3.3	63
70	The genus Luteovirus from infection to disease. <i>European Journal of Plant Pathology</i> , 2018, 151, 841-860.	1.7	17
71	Inverse problem for a space-time fractional diffusion equation: Application of fractional Sturm-Liouville operator. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 2733-2747.	2.3	22
72	Bacterial biofilm and associated infections. <i>Journal of the Chinese Medical Association</i> , 2018, 81, 7-11.	1.4	973

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73	Geotechnical Properties of Effluent-Contaminated Cohesive Soils and Their Stabilization Using Industrial By-Products. <i>Processes</i> , 2018, 6, 203.	2.8	13
74	Isolation and Characterization of a Phage to Control Vancomycin Resistant <i>Enterococcus faecium</i> . <i>Open Life Sciences</i> , 2018, 13, 553-560.	1.4	6
75	Wireless Power Transfer for Battery Powering System. <i>Electronics (Switzerland)</i> , 2018, 7, 178.	3.1	12
76	Series Active Filter Design Based on Asymmetric Hybrid Modular Multilevel Converter for Traction System. <i>Electronics (Switzerland)</i> , 2018, 7, 134.	3.1	4
77	A causal mechanism for anomalous electromagnetic radiations from coal and rock failure. <i>Geophysics</i> , 2018, 83, E423-E434.	2.6	19
78	Proteome-wide analysis of phospho-regulated <sc>PDZ</sc> domain interactions. <i>Molecular Systems Biology</i> , 2018, 14, e8129.	7.2	48
79	INverse Source Problem for a Space-Time Fractional Diffusion Equation. <i>Fractional Calculus and Applied Analysis</i> , 2018, 21, 844-863.	2.2	26
80	Human Capital, Social Capabilities and Economic Growth. <i>Economies</i> , 2018, 6, 2.	2.5	47
81	Tandem Hydration of Diisonitriles Triggered by Isonitrile Hydratase in <i>Streptomyces thioluteus</i> . <i>Organic Letters</i> , 2018, 20, 3562-3565.	4.6	10
82	Association of CTLA-4 polymorphisms and autoimmune type-1 diabetes mellitus susceptibility in Pakistani population. <i>Biyokimya Dergisi</i> , 2018, 43, 173-175.	0.5	2
83	High-throughput discovery of functional disordered regions. <i>Molecular Systems Biology</i> , 2018, 14, e8377.	7.2	3
84	Prevalence and Treatment of Untypable HCV Variants in Different Districts of Punjab, Pakistan. <i>Viral Immunology</i> , 2018, 31, 426-432.	1.3	7
85	Penta-1,4-Diene-3-One Oxime Derivatives Strongly Inhibit the Replicase Domain of Tobacco Mosaic Virus: Elucidation Through Molecular Docking and Density Functional Theory Mechanistic Computations. <i>Journal of Antivirals & Antiretrovirals</i> , 2018, 10, .	0.1	14
86	Isolation and characterization of a bacteriophage and its utilization against multi-drug resistant <i>Pseudomonas aeruginosa</i> -2995. <i>Life Sciences</i> , 2017, 190, 21-28.	4.3	29
87	An inverse problem for a family of two parameters time fractional diffusion equations with nonlocal boundary conditions. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 7737-7748.	2.3	6
88	Modern biotechnology-based therapeutic approaches against HIV infection (Review). <i>Biomedical Reports</i> , 2017, 7, 504-507.	2.0	8
89	An inverse problem for a family of time fractional diffusion equations. <i>Inverse Problems in Science and Engineering</i> , 2017, 25, 1299-1322.	1.2	19
90	Interactive effects of vanadium and phosphorus on their uptake, growth and heat shock proteins in chickpea genotypes under hydroponic conditions. <i>Environmental and Experimental Botany</i> , 2017, 134, 72-81.	4.2	38

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91	Determinants of Related and Unrelated Export Diversification. <i>Economies</i> , 2017, 5, 50.	2.5	14
92	Regulation of Inducible Potassium Transporter KdpFABC by the KdpD/KdpE Two-Component System in <i>Mycobacterium smegmatis</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 570.	3.5	36
93	PHYLOGENETIC AND GENOME-WIDE PAIRWISE DISTANCE ANALYSIS OF THE GENUS LUTEOVIRUS. <i>Pakistan Journal of Agricultural Sciences</i> , 2017, 54, 363-371.	0.2	2
94	On the existence of bounded solutions to a class of nonlinear initial value problems with delay. <i>Filomat</i> , 2017, 31, 3125-3135.	0.5	2
95	Knowledge Spillovers Through FDI and Trade: The Moderating Role of Quality-Adjusted Human Capital. <i>Economic Complexity and Evolution</i> , 2017, , 357-391.	0.1	2
96	The Pathogenicity of <i>Pseudomonas syringae</i> MB03 against <i>Caenorhabditis elegans</i> and the Transcriptional Response of Nematicidal Genes upon Different Nutritional Conditions. <i>Frontiers in Microbiology</i> , 2016, 7, 805.	3.5	16
97	Draft Genome Sequence of <i>Acinetobacter johnsonii</i> MB44, Exhibiting Nematicidal Activity against <i>Caenorhabditis elegans</i> . <i>Genome Announcements</i> , 2016, 4, .	0.8	3
98	Towards a coherent nomenclature of plant viruses. <i>Virologica Sinica</i> , 2016, 31, 197-198.	3.0	2
99	Knowledge spillovers through FDI and trade: the moderating role of quality-adjusted human capital. <i>Journal of Evolutionary Economics</i> , 2016, 26, 837-868.	1.7	37
100	Genome-sequence analysis of <i>Acinetobacter johnsonii</i> MB44 reveals potential nematode-virulent factors. <i>SpringerPlus</i> , 2016, 5, 986.	1.2	15
101	Surface Mn(II) oxidation actuated by a multicopper oxidase in a soil bacterium leads to the formation of manganese oxide minerals. <i>Scientific Reports</i> , 2015, 5, 10895.	3.3	39
102	Luteovirus: insights into pathogenicity. <i>Archives of Virology</i> , 2014, 159, 2853-2860.	2.1	29
103	Population Structure of Manganese-Oxidizing Bacteria in Stratified Soils and Properties of Manganese Oxide Aggregates under Manganese-Complex Medium Enrichment. <i>PLoS ONE</i> , 2013, 8, e73778.	2.5	39
104	Detection of the organophosphate degrading gene <i>opdA</i> in the newly isolated bacterial strain <i>Bacillus pumilus</i> W1. <i>Annals of Microbiology</i> , 2012, 62, 233-239.	2.6	23
105	Impact of exchange rate and its volatility on domestic consumption in India and Pakistan. <i>Journal of Public Affairs</i> , 0, , e2479.	3.1	3
106	Kinetic Modeling of Endosulfan Degradation by Mixed Bacterial Culture. <i>Soil and Sediment Contamination</i> , 0, , 1-14.	1.9	1
107	The relationship between foreign aid and income inequality and the role of corruption. <i>Journal of Public Affairs</i> , 0, , e2687.	3.1	1
108	Determinants of remittances by unskilled Pakistani migrant workers. <i>Asian and Pacific Migration Journal</i> , 0, , 011719682110418.	1.0	1