

Muhammad Shahid

List of Publications by Year in descending order

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Version: 2024-02-01

342
papers

16,289
citations

15466

65
h-index

22764

112
g-index

346
all docs

346
docs citations

346
times ranked

13687
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical analysis of wastewater use in agriculture and associated health risks in Pakistan. <i>Environmental Geochemistry and Health</i> , 2023, 45, 5599-5618.	1.8	54
2	Synthesis of needle like Mn-Zn bimetallic nanoparticles and its applications towards photocatalysis and as fuel additives. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 7617-7632.	1.8	4
3	Unrevealing arsenic and lead toxicity and antioxidant response in spinach: a human health perspective. <i>Environmental Geochemistry and Health</i> , 2022, 44, 487-496.	1.8	29
4	Influence of biochar on trace element uptake, toxicity and detoxification in plants and associated health risks: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 2803-2843.	6.6	63
5	Quantitative Measurements of Ablative Laser Propulsion Parameters of Metal Foils Using Pulsed Nd:YAG Laser. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 895-901.	1.7	3
6	Ecofriendly application of coconut coir (<i>Cocos nucifera</i>) extract for silk dyeing. <i>Environmental Science and Pollution Research</i> , 2022, 29, 564-572.	2.7	35
7	Constructed wetlands as a sustainable technology for wastewater treatment with emphasis on chromium-rich tannery wastewater. <i>Journal of Hazardous Materials</i> , 2022, 422, 126926.	6.5	52
8	A Comprehensive Study on Pulsed Nd:YAG Laser Irradiation of Maize Kernels: Measurement of Biophoton Emissions, Metabolite Levels and Thermodynamical Attributes During Germination. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 7593-7607.	1.7	1
9	Detecting and Measuring Depression on Social Media Using a Machine Learning Approach: Systematic Review. <i>JMIR Mental Health</i> , 2022, 9, e27244.	1.7	22
10	Design, synthesis, and comparative study of optoelectronic properties of arylated triazine-based sulfanilamide derivatives through Suzuki–Miyaura cross-coupling reactions. <i>Journal of Molecular Modeling</i> , 2022, 28, 44.	0.8	1
11	Plausible Precipitation Trends over the Large River Basins of Pakistan in Twenty First Century. <i>Atmosphere</i> , 2022, 13, 190.	1.0	4
12	Polymer microgels for the stabilization of gold nanoparticles and their application in the catalytic reduction of nitroarenes in aqueous media. <i>RSC Advances</i> , 2022, 12, 5105-5117.	1.7	35
13	Does Mothers' Awareness of Health and Nutrition Matter? A Case Study of Child Malnutrition in Marginalized Rural Community of Punjab, Pakistan. <i>Frontiers in Public Health</i> , 2022, 10, 792164.	1.3	13
14	Biology of PEST-Containing Nuclear Protein: A Potential Molecular Target for Cancer Research. <i>Frontiers in Oncology</i> , 2022, 12, 784597.	1.3	2
15	<i>Withania somnifera</i> Chemical Constituents™ In Vitro Antioxidant Potential and Their Response on Spermatozoa Parameters. <i>Dose-Response</i> , 2022, 20, 155932582210749.	0.7	9
16	Chemical Fingerprinting, Antioxidant, and Anti-Inflammatory Potential of Hydroethanolic Extract of <i>Trigonella foenum-graecum</i> . <i>Antioxidants</i> , 2022, 11, 364.	2.2	6
17	The Associations Between Parental Burnout and Mental Health Symptoms Among Chinese Parents With Young Children During the COVID-19 Pandemic. <i>Frontiers in Psychiatry</i> , 2022, 13, 819199.	1.3	4
18	Socio-Economic and Environmental Determinants of Malnutrition in under Three Children: Evidence from PDHS-2018. <i>Children</i> , 2022, 9, 361.	0.6	9

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19	Prevalence of child malnutrition and household socioeconomic deprivation: A case study of marginalized district in Punjab, Pakistan. <i>PLoS ONE</i> , 2022, 17, e0263470.	1.1	9
20	Evaluating the impact of the environment on depleting groundwater resources: a case study from a semi-arid and arid climatic region. <i>Hydrological Sciences Journal</i> , 2022, 67, 791-805.	1.2	2
21	Germination and growth improvement of papaya utilizing oxygen (O_2) plasma treatment. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 255205.	1.3	8
22	Ultrasound Assisted Extraction and Characterization of Bioactives From <i>Verbascum thapsus</i> Roots to Evaluate Their Antioxidant and Medicinal Potential. <i>Dose-Response</i> , 2022, 20, 155932582210976.	0.7	2
23	Impact of Bullying Behavior on Mental Health and Quality of Life Among Pre-Adolescents and Adolescents in Sialkot-Pakistan. <i>Pakistan Journal of Humanities and Social Sciences</i> , 2022, 10, 324-331.	0.1	2
24	Determinants of Infant Young Child Feeding Among Mothers of Malnourished Children in South Punjab, Pakistan: A Qualitative Study. <i>Frontiers in Public Health</i> , 2022, 10, .	1.3	6
25	Extraction of copper ions from aqueous medium by microgel particles for in-situ fabrication of copper nanoparticles to degrade toxic dyes. <i>Zeitschrift Fur Physikalische Chemie</i> , 2022, 236, 1219-1241.	1.4	23
26	Methacrylic acid based microgels and hybrid microgels. <i>Reviews in Chemical Engineering</i> , 2022, .	2.3	1
27	Polyurethane dispersions prepared from vegetable oil and their application as textile finishes. <i>Textile Reseach Journal</i> , 2022, 92, 4639-4651.	1.1	2
28	Pharmacological Inhibition of Endogenous Hydrogen Sulfide Attenuates Breast Cancer Progression. <i>Molecules</i> , 2022, 27, 4049.	1.7	9
29	Comparison of machine learning and process-based SWAT model in simulating streamflow in the Upper Indus Basin. <i>Applied Water Science</i> , 2022, 12, .	2.8	20
30	Development of Artificial Geochemical Filter to Treat Acid Mine Drainage for Safe Disposal of Mine Water in Salt Range Portion of Indus Basin—A Lab to Pilot Scale Study. <i>Sustainability</i> , 2022, 14, 7693.	1.6	2
31	Key Challenges to Optimal Therapeutic Coverage and Maternal Utilization of CMAM Program in Rural Southern Pakistan: A Qualitative Exploratory Study. <i>Nutrients</i> , 2022, 14, 2612.	1.7	7
32	Distance to Healthcare Facility and Lady Health Workers' Visits Reduce Malnutrition in under Five Children: A Case Study of a Disadvantaged Rural District in Pakistan. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8200.	1.2	6
33	Identifying the Annual and Seasonal Trends of Hydrological and Climatic Variables in the Indus Basin Pakistan. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2021, 57, 191-205.	1.3	27
34	Studying the foliar selenium-modulated dynamics in phenology and quality of terminal heat-stressed cotton (<i>Gossypium hirsutum</i> L.) in association with yield. <i>Plant Biosystems</i> , 2021, 155, 668-678.	0.8	9
35	Facile Development of Hybrid Bulk-Nanostructured SnSe/SnS for Antibacterial Activity with Negligible Cytotoxicity. <i>Journal of Cluster Science</i> , 2021, 32, 665-672.	1.7	7
36	Green extraction of ethnomedicinal compounds from <i>Cymbopogon citratus</i> Stapf using hydrogen-bonded supramolecular network. <i>Separation Science and Technology</i> , 2021, 56, 1520-1533.	1.3	19

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37	Effect of co-application of wastewater and freshwater on the physiological properties and trace element content in <i>Raphanus sativus</i> : soil contamination and human health. <i>Environmental Geochemistry and Health</i> , 2021, 43, 2393-2406.	1.8	20
38	Foliar uptake, biotransformation, and impact of CuO nanoparticles in <i>Lactuca sativa</i> L. var. <i>ramosa</i> Hort.. <i>Environmental Geochemistry and Health</i> , 2021, 43, 423-439.	1.8	18
39	Hydrogeochemical and health risk evaluation of arsenic in shallow and deep aquifers along the different floodplains of Punjab, Pakistan. <i>Journal of Hazardous Materials</i> , 2021, 402, 124074.	6.5	46
40	Arsenic speciation and biotransformation pathways in the aquatic ecosystem: The significance of algae. <i>Journal of Hazardous Materials</i> , 2021, 403, 124027.	6.5	111
41	Risk assessment of potentially toxic metal(loid)s in <i>Vigna radiata</i> L. under wastewater and freshwater irrigation. <i>Chemosphere</i> , 2021, 265, 129124.	4.2	28
42	Application of precipitation products for flood modeling of transboundary river basin: a case study of Jhelum Basin. <i>Theoretical and Applied Climatology</i> , 2021, 143, 989-1004.	1.3	8
43	Effect of soil amendments on trace element-mediated oxidative stress in plants: Meta-analysis and mechanistic interpretations. <i>Journal of Hazardous Materials</i> , 2021, 407, 124881.	6.5	34
44	Synthesis, biological efficiency evaluation and application of sodium alginate-based polyurethane dispersions using cycloaliphatic isocyanate, as antibacterial textile coating. <i>Journal of Industrial Textiles</i> , 2021, 50, 1625-1642.	1.1	6
45	Convergent synthesis of carbonic anhydrase inhibiting biâ€heterocyclic benzamides: Structureâ€activity relationship and mechanistic explorations through enzyme inhibition, kinetics, and computational studies. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 1089-1103.	1.4	2
46	Heuristic based binary grasshopper optimization algorithm to solve unit commitment problem. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2021, 29, 944-961.	0.9	5
47	The potential of microbes and sulfate in reducing arsenic phytoaccumulation by maize (<i>Zea mays</i> L.) plants. <i>Environmental Geochemistry and Health</i> , 2021, 43, 5037-5051.	1.8	9
48	Magnetic Field Treatments Improves Sunflower Yield by Inducing Physiological and Biochemical Modulations in Seeds. <i>Molecules</i> , 2021, 26, 2022.	1.7	23
49	Microbial biofilm inhibition, antioxidants, and chemical fingerprints of Afghani pomegranate peel extract documented by gas chromatographyâ€mass spectrometry and Fourier transformation infrared. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15657.	0.9	10
50	Hydrogeochemical and health risk investigation of potentially toxic elements in groundwater along River Sutlej floodplain in Punjab, Pakistan. <i>Environmental Geochemistry and Health</i> , 2021, 43, 5195-5209.	1.8	12
51	Metabolite Profiling of Malaysian <i>Gracilaria edulis</i> Reveals Eplerenone as Novel Antibacterial Compound for Drug Repurposing Against MDR Bacteria. <i>Frontiers in Microbiology</i> , 2021, 12, 653562.	1.5	8
52	Arsenic biogeochemical cycling in paddy soil-rice system: Interaction with various factors, amendments and mineral nutrients. <i>Science of the Total Environment</i> , 2021, 773, 145040.	3.9	100
53	Health risks of arsenic buildup in soil and food crops after wastewater irrigation. <i>Science of the Total Environment</i> , 2021, 772, 145266.	3.9	52
54	Silver nanoparticles supported on smart polymer microgel system for highly proficient catalytic reduction of Cr ⁺⁶ to Cr ⁺³ with formic acid. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6405.	1.7	15

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55	Assessing the potential and hydrological usefulness of the CHIRPS precipitation dataset over a complex topography in Pakistan. <i>Hydrological Sciences Journal</i> , 2021, 66, 1664-1684.	1.2	12
56	Exogenous silicon and hydrogen sulfide alleviates the simultaneously occurring drought stress and leaf rust infection in wheat. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 558-571.	2.8	31
57	Challenges in microbially and chelate-assisted phytoextraction of cadmium and lead – A review. <i>Environmental Pollution</i> , 2021, 287, 117667.	3.7	74
58	Nanoparticles encapsulation of <i>Phoenix dactylifera</i> (date palm) mucilage for colonic drug delivery. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 861-871.	3.6	10
59	Comprehensive computational target fishing approach to identify Xanthorrhizol putative targets. <i>Scientific Reports</i> , 2021, 11, 1594.	1.6	17
60	Citrus Genus and Its Waste Utilization: A Review on Health-Promoting Activities and Industrial Application. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-17.	0.5	50
61	Quantitative assessment of regional land use and climate change impact on runoff across Gilgit watershed. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	48
62	Biofilm Inhibition and Antibacterial Potential of Different Varieties of Garlic () Against Sinusitis Isolates. <i>Dose-Response</i> , 2021, 19, 15593258211050491.	0.7	1
63	Therapeutic Potential of Selected Medicinal Plants Against Carrageenan Induced Inflammation in Rats. <i>Dose-Response</i> , 2021, 19, 155932582110580.	0.7	6
64	Anti-breast cancer synthetic peptides derived from the <i>Anabas testudineus</i> skin mucus fractions. <i>Scientific Reports</i> , 2021, 11, 23182.	1.6	13
65	A Qualitative Exploration in Causes of Water Insecurity Experiences, and Gender and Nutritional Consequences in South-Punjab, Pakistan. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12534.	1.2	12
66	Network analysis of COVID-19-related PTSD symptoms in China: the similarities and differences between the general population and PTSD sub-population. <i>HÅgre Utbildning</i> , 2021, 12, 1997181.	1.4	5
67	Biofilm Inhibition and Antibacterial Potential of Different Varieties of Garlic (<i>Allium sativum</i>) Against Sinusitis Isolates. <i>Dose-Response</i> , 2021, 19, 155932582110504.	0.7	12
68	Chinese Younger Parents' Quality of Life During the COVID-19 Pandemic: Do Job Changes and Family Conflicts Matter?. <i>Frontiers in Public Health</i> , 2021, 9, 758242.	1.3	1
69	American Older Adults in COVID-19 Times: Vulnerability Types, Aging Attitudes, and Emotional Responses. <i>Frontiers in Public Health</i> , 2021, 9, 778084.	1.3	6
70	Synthesis, spectral analysis and biological evaluation of 2-[[[(morpholin-4-yl)ethyl]thio]-5-phenyl/aryl]-1,3,4-oxadiazole derivatives. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2021, 34, 441-446.	0.2	0
71	Comparative physiological and biochemical evaluation of salt and nickel tolerance mechanisms in two contrasting tomato genotypes. <i>Physiologia Plantarum</i> , 2020, 168, 27-37.	2.6	22
72	Quantification and risk assessment of heavy metal build-up in soil – plant system after irrigation with untreated city wastewater in Vehari, Pakistan. <i>Environmental Geochemistry and Health</i> , 2020, 42, 4281-4297.	1.8	67

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73	Assessment of arsenic exposure by drinking well water and associated carcinogenic risk in peri-urban areas of Vehari, Pakistan. <i>Environmental Geochemistry and Health</i> , 2020, 42, 121-133.	1.8	79
74	Screening of the FANCA gene mutational hotspots in the Pakistani fanconi anemia patients revealed 19 sequence variations. <i>Congenital Anomalies (discontinued)</i> , 2020, 60, 32-39.	0.3	5
75	A new biochar from cotton stalks for As (V) removal from aqueous solutions: its improvement with H3PO4 and KOH. <i>Environmental Geochemistry and Health</i> , 2020, 42, 2519-2534.	1.8	38
76	Effect of salinity on physiological, biochemical and photostabilizing attributes of two genotypes of quinoa (<i>Chenopodium quinoa</i> Willd.) exposed to arsenic stress. <i>Ecotoxicology and Environmental Safety</i> , 2020, 187, 109814.	2.9	63
77	Silver nano-particles: synthesis and characterization by using glucans extracted from <i>Pleurotus ostreatus</i> . <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 3205-3214.	1.6	17
78	Application of a Dynamic Clustered Bayesian Model Averaging (DCBA) Algorithm for Merging Multisatellite Precipitation Products over Pakistan. <i>Journal of Hydrometeorology</i> , 2020, 21, 17-37.	0.7	25
79	Compositional and health risk assessment of drinking water from health facilities of District Vehari, Pakistan. <i>Environmental Geochemistry and Health</i> , 2020, 42, 2425-2437.	1.8	25
80	A critical review of mercury speciation, bioavailability, toxicity and detoxification in soil-plant environment: Ecotoxicology and health risk assessment. <i>Science of the Total Environment</i> , 2020, 711, 134749.	3.9	153
81	Trace elements-induced phytohormesis: A critical review and mechanistic interpretation. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 1984-2015.	6.6	92
82	Nickel Toxicity Induced Changes in Nutrient Dynamics and Antioxidant Profiling in Two Maize (<i>Zea mays</i>) Genotypes. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 101-111.	1.6	51
83	Potential of siltstone and its composites with biochar and magnetite nanoparticles for the removal of cadmium from contaminated aqueous solutions: Batch and column scale studies. <i>Environmental Pollution</i> , 2020, 259, 113938.	3.7	37
84	Risk assessment and biophysicochemical responses of spinach to foliar application of lead oxide nanoparticles: A multivariate analysis. <i>Chemosphere</i> , 2020, 245, 125605.	4.2	56
85	Hydroxyethylcellulose-g-poly(lactic acid) blended polyurethanes: Preparation, characterization and biological studies. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 993-1003.	3.6	14
86	Synthesis, molecular docking, dynamic simulations, kinetic mechanism, cytotoxicity evaluation of		

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91	Development of a novel Weighted Average Least Squares-based ensemble multi-satellite precipitation dataset and its comprehensive evaluation over Pakistan. <i>Atmospheric Research</i> , 2020, 246, 105133.	1.8	15
92	Use of agricultural bio-wastes to remove arsenic from contaminated water. <i>Environmental Geochemistry and Health</i> , 2020, , 1.	1.8	11
93	Risk assessment of heavy metal(loid)s via <i>Spinacia oleracea</i> ingestion after sewage water irrigation practices in Vehari District. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39841-39851.	2.7	22
94	Heavy metal contamination and exposure risk assessment via drinking groundwater in Vehari, Pakistan. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39852-39864.	2.7	76
95	Application of Machine Learning Techniques to Delineate Homogeneous Climate Zones in River Basins of Pakistan for Hydro-Climatic Change Impact Studies. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6878.	1.3	8
96	Environmental toxicology and associated human health risks. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39671-39675.	2.7	19
97	Therapeutic Potential of Selected Varieties of <i>Phoenix Dactylifera</i> L. Against Microbial Biofilm and Free Radical Damage to DNA. <i>Dose-Response</i> , 2020, 18, 155932582096260.	0.7	19
98	Convergent synthesis, <scp>free radical</scp> scavenging, <scp>Lineweaverâ€Burk</scp> plot exploration, hemolysis and in silico study of novel <scp>indoleâ€phenyltriazole</scp> hybrid bearing acetamides as potent urease inhibitors. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 2955-2968.	1.4	6
99	Hydrological evaluation of merged satellite precipitation datasets for streamflow simulation using SWAT: A case study of Potohar Plateau, Pakistan. <i>Journal of Hydrology</i> , 2020, 587, 125040.	2.3	41
100	Hydrogeochemical investigation of arsenic in drinking water of schools and age dependent risk assessment in Vehari District, Punjab Pakistan: a multivariate analysis. <i>Environmental Science and Pollution Research</i> , 2020, 27, 30530-30541.	2.7	16
101	Copper uptake, essentiality, toxicity, detoxification and risk assessment in soil-plant environment. <i>Chemosphere</i> , 2020, 259, 127436.	4.2	217
102	Foliar application of lead and arsenic solutions to <i>Spinacia oleracea</i> : biophysicochemical analysis and risk assessment. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39763-39773.	2.7	16
103	Utilization of Bio-Municipal Solid Waste Improves Saline-Sodic Soils and Crop Productivity in Rice-Wheat. <i>Compost Science and Utilization</i> , 2020, 28, 16-27.	1.2	6
104	Impact assessment of land use and climate changes on the variation of runoff in Margalla Hills watersheds, Pakistan. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	17
105	Structural elucidation and biological aptitude of modified hydroxyethylcellulose-polydimethyl siloxane based polyurethanes. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 426-440.	3.6	13
106	An Appraisal of Dynamic Bayesian Model Averaging-based Merged Multi-Satellite Precipitation Datasets Over Complex Topography and the Diverse Climate of Pakistan. <i>Remote Sensing</i> , 2020, 12, 10.	1.8	23
107	A critical review on arsenic removal from water using biochar-based sorbents: The significance of modification and redox reactions. <i>Chemical Engineering Journal</i> , 2020, 396, 125195.	6.6	243
108	Foliar Potassium-Induced Regulations in Glycine Betaine and Malondialdehyde Were Associated with Grain Yield of Heat-Stressed Bread Wheat (<i>Triticum aestivum</i> L.). <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1785-1798.	1.7	12

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109	Synthesis of sandwich type acyclic tetra-nuclear silver(I)-N-heterocyclic carbene complexes for wound healing applications. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2020, 75, 369-376.	0.6	3
110	Novel Bi-heterocycles as Potent Inhibitors of Urease and Less Cytotoxic Agents: 3-({5-((2-Amino-1,3-thiazol-4-yl)methyl)-1,3,4-oxadiazol-2-yl}sulfanyl)-(un/substituted-phenyl)propanamides. <i>Iranian Journal of Pharmaceutical Research</i> , 2020, 19, 487-506.	0.3	2
111	Anthropogenic Effects of Coal Mining on Ecological Resources of the Central Indus Basin, Pakistan. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1255.	1.2	25
112	Effect of Dietary Supplementation of Bioactive Peptides on Antioxidant Potential of Broiler Breast Meat and Physicochemical Characteristics of Nuggets. <i>Food Science of Animal Resources</i> , 2020, 40, 55-73.	1.7	16
113	Quantitative Contribution of Climate Change and Land Use Change to Runoff in Tarbela Catchment, Pakistan. <i>Polish Journal of Environmental Studies</i> , 2020, 29, 3295-3304.	0.6	7
114	Synthesis, Bacterial biofilm inhibition and cytotoxicity of new N-Alkyl/aralkyl-N-(2,3-dihydro-1,4-benzodioxin-6-yl)-4-nitrobenzenesulfonamides. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2020, 33, 41-47.	0.2	0
115	Cytotoxic, α -amylase inhibitory and thrombolytic activities of organic and aqueous extracts of <i>Bacillus clausii</i> KP10. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2020, 33, 135-139.	0.2	0
116	Synthesis, characterization, antibacterial, hemolytic and thrombolytic activity evaluation of 5-(3-chlorophenyl)-2-((N-(substituted)-2-acetamoyl)sulfanyl)-1,3,4-oxadiazole derivatives. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2020, 33, 871-876.	0.2	1
117	Synthesis of some N-sulfonated derivatives of 1-[(E)-3-phenyl-2-propenyl]piperazine as suitable antibacterial agents. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2020, 33, 1609-1616.	0.2	0
118	REPORT - Synthesis of promising antibacterial and antifungal agents: 2-[[[(4-Chlorophenyl)sulfonyl](2,3-dihydro-1,4-benzodioxin-6-yl)amino]-N-(un/substituted-phenyl)acetamides. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2020, 33, 2161-2170.	0.2	0
119	Postharvest application of antibrowning chemicals modulates oxidative stress and delays pericarp browning of controlled atmosphere stored litchi fruit. <i>Journal of Food Biochemistry</i> , 2019, 43, e12746.	1.2	7
120	Comparative effect of organic amendments on physio-biochemical traits of young and old bean leaves grown under cadmium stress: a multivariate analysis. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11579-11590.	2.7	13
121	Atorvastatin Induced Erythrocytes Membrane Blebbing. <i>Dose-Response</i> , 2019, 17, 155932581986907.	0.7	8
122	Evaluation of the air pollution tolerance index of ornamentals growing in an industrial area compared to a less polluted area. <i>Horticulture Environment and Biotechnology</i> , 2019, 60, 595-601.	0.7	9
123	Investigation of role of urea in morphologically controlled synthesis of calcium-bismuth bimetallic nanoparticles from chicken egg shells and its catalytic and fuel additive applications. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 1628-1640.	0.8	11
124	The role of hydrogen bonding in π - π stacking interactions in Ni(II) complex derived from triethanolamine: synthesis, crystal structure, antimicrobial, and DFT studies. <i>Research on Chemical Intermediates</i> , 2019, 45, 5649-5664.	1.3	11
125	Designing of promising medicinal scaffolds for Alzheimer's disease through enzyme inhibition, lead optimization, molecular docking and dynamic simulation approaches. <i>Bioorganic Chemistry</i> , 2019, 91, 103138.	2.0	12
126	Batch and Column Scale Removal of Cadmium from Water Using Raw and Acid Activated Wheat Straw Biochar. <i>Water (Switzerland)</i> , 2019, 11, 1438.	1.2	76

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127	Environment-health link in a context of urban agricultures: studies of oral exposure to pollutants in order promote the human health. <i>Environmental Science and Pollution Research</i> , 2019, 26, 20015-20017.	2.7	3
128	Redox Mechanisms and Plant Tolerance Under Heavy Metal Stress: Genes and Regulatory Networks. , 2019, , 71-105.		3
129	Hepatoprotective effects of red beetrootâ€based beverages against CCl ₄ â€induced hepatic stress in <i>Sprague Dawley</i> rats. <i>Journal of Food Biochemistry</i> , 2019, 43, e13057.	1.2	15
130	Performance Assessment of SM2RAIN-CCI and SM2RAIN-ASCAT Precipitation Products over Pakistan. <i>Remote Sensing</i> , 2019, 11, 2040.	1.8	40
131	Synthesis and structure-activity relationship of tyrosinase inhibiting novel bi-heterocyclic acetamides: Mechanistic insights through enzyme inhibition, kinetics and computational studies. <i>Bioorganic Chemistry</i> , 2019, 86, 459-472.	2.0	24
132	Synthesis, Spectroscopic and Antimicrobial Studies of Homo- and Heteronuclear Tin(IV)/Pd(II) Complexes of 2-Amino-6-(Dithiocarboxyamino)Hexanoic Acid. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 6423-6434.	1.7	5
133	Synthesis of Eco-friendly Cobalt Nanoparticles Using <i>Celosia argentea</i> Plant Extract and Their Efficacy Studies as Antioxidant, Antibacterial, Hemolytic and Catalytical Agent. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 6435-6444.	1.7	46
134	Effect of ring substitution on synthesis of benzimidazolium salts and their silver(I) complexes: characterization, electrochemical studies and evaluation of anticancer potential. <i>Transition Metal Chemistry</i> , 2019, 44, 431-443.	0.7	16
135	Biogeochemical cycling, speciation and transformation pathways of arsenic in aquatic environments with the emphasis on algae. <i>Comprehensive Analytical Chemistry</i> , 2019, 85, 15-51.	0.7	21
136	A critical prospective analysis of the potential toxicity of trace element regulation limits in soils worldwide: Are they protective concerning health risk assessment? - A review. <i>Environment International</i> , 2019, 127, 819-847.	4.8	280
137	Biogeochemistry of antimony in soil-plant system: Ecotoxicology and human health. <i>Applied Geochemistry</i> , 2019, 106, 45-59.	1.4	53
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