

# Muhammad Irfan

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/162560/muhammad-irfan-publications-by-citations.pdf>

**Version:** 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

336  
papers

4,539  
citations

32  
h-index

49  
g-index

376  
ext. papers

8,172  
ext. citations

3.9  
avg, IF

6.93  
L-index

#	Paper	IF	Citations
336	Heterogeneous catalytic hydrogenation reactions in continuous-flow reactors. <i>ChemSusChem</i> , <b>2011</b> , 4, 300-16	8.3	269
335	Continuous flow ozonolysis in a laboratory scale reactor. <i>Organic Letters</i> , <b>2011</b> , 13, 984-7	6.2	103
334	Sintered silicon carbide: a new ceramic vessel material for microwave chemistry in single-mode reactors. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 12182-94	4.8	96
333	Nexus between air pollution and NCOV-2019 in China: Application of negative binomial regression analysis. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 150, 557-565	5.5	81
332	Assessing the energy dynamics of Pakistan: Prospects of biomass energy. <i>Energy Reports</i> , <b>2020</b> , 6, 80-93	4.6	75
331	Towards environmental Sustainability: Devolving the influence of carbon dioxide emission to population growth, climate change, Forestry, livestock and crops production in Pakistan. <i>Ecological Indicators</i> , <b>2021</b> , 125, 107460	5.8	65
330	Assessment of the public acceptance and utilization of renewable energy in Pakistan. <i>Sustainable Production and Consumption</i> , <b>2021</b> , 27, 312-324	8.2	64
329	Asymmetric investigation to track the effect of urbanization, energy utilization, fossil fuel energy and CO emission on economic efficiency in China: another outlook. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 17319-17330	5.1	64
328	Investigating the asymmetric linkages between infrastructure development, green innovation, and consumption-based material footprint: Novel empirical estimations from highly resource-consuming economies. <i>Resources Policy</i> , <b>2021</b> , 74, 102302	7.2	64
327	Antimicrobial functionalization of cotton fabric with silver nanoclusters/silica composite coating via RF co-sputtering technique. <i>Cellulose</i> , <b>2017</b> , 24, 2331-2345	5.5	61
326	Asymmetric link between environmental pollution and COVID-19 in the top ten affected states of US: A novel estimations from quantile-on-quantile approach. <i>Environmental Research</i> , <b>2020</b> , 191, 110189	7.9	61
325	Extraction and identification of bioactive compounds (eicosane and dibutyl phthalate) produced by <i>Streptomyces</i> strain KX852460 for the biological control of <i>Rhizoctonia solani</i> AG-3 strain KX852461 to control target spot disease in tobacco leaf. <i>AMB Express</i> , <b>2017</b> , 7, 54	4.1	51
324	Empirics on influencing mechanisms among energy, finance, trade, environment, and economic growth: a heterogeneous dynamic panel data analysis of China. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 14148-14170	5.1	51
323	Consumers' intention-based influence factors of renewable energy adoption in Pakistan: a structural equation modeling approach. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 432-445	5.1	51
322	Heterogeneous effects of energy efficiency and renewable energy on economic growth of BRICS countries: A fixed effect panel quantile regression analysis. <i>Energy</i> , <b>2021</b> , 215, 119019	7.9	51
321	Critical factors influencing wind power industry: A diamond model based study of India. <i>Energy Reports</i> , <b>2019</b> , 5, 1222-1235	4.6	50
320	Fast photocatalytic degradation of dyes using low-power laser-fabricated CuO-Cu nanocomposites.. <i>RSC Advances</i> , <b>2018</b> , 8, 20277-20286	3.7	50

319	Isolation and screening of cellulolytic bacteria from soil and optimization of cellulase production and activity. <i>Turkish Journal of Biochemistry</i> , <b>2012</b> , 37, 287-293	0.3	50
318	The influence of consumers' intention factors on willingness to pay for renewable energy: a structural equation modeling approach. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 21747-21761	5.1	48
317	Energy structure, digital economy, and carbon emissions: evidence from China. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 64606-64629	5.1	48
316	Nickle-cobalt composite catalyst-modified activated carbon anode for direct glucose alkaline fuel cell. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 1805-1815	6.7	47
315	Does energy trilemma a driver of economic growth? The roles of energy use, population growth, and financial development. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 146, 111157	16.2	47
314	Preparation and performance evaluation of novel alkaline stable anion exchange membranes. <i>Journal of Power Sources</i> , <b>2017</b> , 355, 171-180	8.9	43
313	Enhanced photocatalytic NOx oxidation and storage under visible-light irradiation by anchoring Fe3O4 nanoparticles on mesoporous graphitic carbon nitride (mpg-C3N4). <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 249, 126-137	21.8	41
312	Do Perceived Risk, Perception of Self-Efficacy, and Openness to Technology Matter for Solar PV Adoption? An Application of the Extended Theory of Planned Behavior. <i>Energies</i> , <b>2021</b> , 14, 5008	3.1	39
311	Hydrophobic Side Chains Impart Anion Exchange Membranes with High Monovalent/Divalent Anion Selectivity in Electrodialysis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 4429-4442	8.3	37
310	The spatial spillover effect and nonlinear relationship analysis between environmental decentralization, government corruption and air pollution: Evidence from China. <i>Science of the Total Environment</i> , <b>2021</b> , 763, 144183	10.2	37
309	The increases and decreases of the environment Kuznets curve (EKC) for 8 OECD countries. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 28535-28543	5.1	37
308	Addressing the effect of climate change in the framework of financial and technological development on cereal production in Pakistan. <i>Journal of Cleaner Production</i> , <b>2021</b> , 288, 125637	10.3	36
307	A hover view over effectual approaches on pandemic management for sustainable cities - The endowment of prospective technologies with revitalization strategies.. <i>Sustainable Cities and Society</i> , <b>2021</b> , 68, 102789	10.1	36
306	Rheological Behavior and Sensitivity of Wood-Derived Bio-Oil Modified Asphalt Binders. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 919	2.6	35
305	High performance anion exchange membrane with proton transport pathways for diffusion dialysis. <i>Separation and Purification Technology</i> , <b>2018</b> , 193, 11-20	8.3	35
304	A front tracking method for direct numerical simulation of evaporation process in a multiphase system. <i>Journal of Computational Physics</i> , <b>2017</b> , 337, 132-153	4.1	32
303	Assessing Public Willingness to Wear Face Masks during the COVID-19 Pandemic: Fresh Insights from the Theory of Planned Behavior. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	32
302	Analysis on barriers to biogas dissemination in Rwanda: AHP approach. <i>Renewable Energy</i> , <b>2021</b> , 163, 1127-1137	8.1	32

301	Ethanol production from agricultural wastes using <i>Saccharomyces cerevisiae</i> . <i>Brazilian Journal of Microbiology</i> , <b>2014</b> , 45, 457-65	2.2	31
300	Competitive assessment of Indian wind power industry: A five forces model. <i>Journal of Renewable and Sustainable Energy</i> , <b>2019</b> , 11, 063301	2.5	31
299	Carboxymethyl cellulase production optimization from newly isolated thermophilic <i>Bacillus subtilis</i> K-18 for saccharification using response surface methodology. <i>AMB Express</i> , <b>2017</b> , 7, 29	4.1	30
298	A Techno-Economic Analysis of Off-Grid Solar PV System: A Case Study for Punjab Province in Pakistan. <i>Processes</i> , <b>2019</b> , 7, 708	2.9	30
297	Electro-nanofiltration membranes with positively charged polyamide layer for cations separation. <i>Journal of Membrane Science</i> , <b>2020</b> , 594, 117453	9.6	30
296	Development of novel PVA-QUDAP based anion exchange membranes for diffusion dialysis and theoretical analysis therein. <i>Separation and Purification Technology</i> , <b>2017</b> , 178, 269-278	8.3	28
295	Characterization of antibacterial silver nanocluster/silica composite coating on high performance Kevlar® textile. <i>Surface and Coatings Technology</i> , <b>2017</b> , 321, 438-447	4.4	28
294	Relating consumers' information and willingness to buy electric vehicles: Does personality matter?. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2021</b> , 100, 103049	6.4	28
293	Effect of alkaline pretreatment on delignification of wheat straw. <i>Natural Product Research</i> , <b>2015</b> , 29, 125-31	2.3	27
292	Another outlook to sector-level energy consumption in Pakistan from dominant energy sources and correlation with economic growth. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 33735-33750	5.1	27
291	Analyze the environmental sustainability factors of China: The role of fossil fuel energy and renewable energy. <i>Renewable Energy</i> , <b>2022</b> , 187, 390-402	8.1	27
290	Statistical Optimization of Saccharification of Alkali Pretreated Wheat Straw for Bioethanol Production. <i>Waste and Biomass Valorization</i> , <b>2016</b> , 7, 1389-1396	3.2	27
289	Self-organized nanostructured anion exchange membranes for acid recovery. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122838	14.7	27
288	Energy consumption structural adjustment and carbon neutrality in the post-COVID-19 era.. <i>Structural Change and Economic Dynamics</i> , <b>2021</b> , 59, 442-453	4.5	27
287	Spatial spillovers and threshold effects of internet development and entrepreneurship on green innovation efficiency in China. <i>Technology in Society</i> , <b>2022</b> , 68, 101844	6.3	26
286	Novel electrodialysis membranes with hydrophobic alkyl spacers and zwitterion structure enable high monovalent/divalent cation selectivity. <i>Chemical Engineering Journal</i> , <b>2020</b> , 383, 123171	14.7	26
285	An unintended challenge of microplastic pollution in the urban surface water system of Lahore, Pakistan. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 16718-16730	5.1	25
284	Assessment of India's energy dynamics: Prospects of solar energy. <i>Journal of Renewable and Sustainable Energy</i> , <b>2020</b> , 12, 053701	2.5	25

283	Cation exchange membrane integrated with cationic and anionic layers for selective ion separation via electro dialysis. <i>Desalination</i> , <b>2019</b> , 458, 25-33	10.3	25
282	Pectinase Production from Schizophyllum commune Through Central Composite Design Using Citrus Waste and Its Immobilization for Industrial Exploitation. <i>Waste and Biomass Valorization</i> , <b>2019</b> , 10, 2527-2536	3.2	25
281	Understanding the Antecedents and Consequences of Service-Sales Ambidexterity: A Motivation-Opportunity-Ability (MOA) Framework. <i>Sustainability</i> , <b>2021</b> , 13, 9675	3.6	25
280	G-AETCAM: Gate-Based Area-Efficient Ternary Content-Addressable Memory on FPGA. <i>IEEE Access</i> , <b>2017</b> , 5, 20785-20790	3.5	24
279	Augmenting acid recovery from different systems by novel Q-DAN anion exchange membranes via diffusion dialysis. <i>Separation and Purification Technology</i> , <b>2018</b> , 201, 336-345	8.3	24
278	Do inward foreign direct investment and economic development improve local environmental quality: aggregation bias puzzle. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 34676-34696	5.1	24
277	RSM based optimization of nutritional conditions for cellulase mediated Saccharification by. <i>Journal of Biological Engineering</i> , <b>2018</b> , 12, 7	6.3	23
276	Antibacterial, highly hydrophobic and semi transparent Ag/plasma polymer nanocomposite coating on cotton fabric obtained by plasma based co-deposition. <i>Cellulose</i> , <b>2019</b> , 26, 8877-8894	5.5	22
275	Exploring the new potential antiviral constituents of Moringa oliefera for SARS-COV-2 pathogenesis: An molecular docking and dynamic studies. <i>Chemical Physics Letters</i> , <b>2021</b> , 767, 138379	2.5	22
274	Does temperature matter for COVID-19 transmissibility? Evidence across Pakistani provinces. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 59705-59719	5.1	22
273	Intention-Based Critical Factors Affecting Willingness to Adopt Novel Coronavirus Prevention in Pakistan: Implications for Future Pandemics. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	22
272	Convergence analysis of the ecological footprint: theory and empirical evidence from the USMCA countries. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 32648	5.1	22
271	Analysis of the mechanism of the impact of internet development on green economic growth: evidence from 269 prefecture cities in China. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	22
270	Hierarchically structured porous anion exchange membranes containing zwitterionic pores for ion separation. <i>Journal of Membrane Science</i> , <b>2017</b> , 537, 32-41	9.6	21
269	Effects of soil deformation and saturation on elastic wave velocities in relation to prediction of rain-induced landslides. <i>Engineering Geology</i> , <b>2017</b> , 230, 84-94	6	21
268	Zwitterion structure membrane provides high monovalent/divalent cation electro dialysis selectivity: Investigating the effect of functional groups and operating parameters. <i>Journal of Membrane Science</i> , <b>2019</b> , 588, 117211	9.6	21
267	Does carbon dioxide, methane, nitrous oxide, and GHG emissions influence the agriculture? Evidence from China. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 28768-28779	5.1	21
266	Impact of renewable energy consumption, financial development and natural resources on environmental degradation in OECD countries with dynamic panel data. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	21

265	Competitive assessment of South Asia's wind power industry: SWOT analysis and value chain combined model. <i>Energy Strategy Reviews</i> , <b>2020</b> , 32, 100540	9.8	21
264	Melting performance enhancement of PCM based thermal energy storage system using multiple tubes and modified shell designs. <i>Journal of Energy Storage</i> , <b>2021</b> , 33, 102161	7.8	21
263	Macaroon-like FeCo <sub>2</sub> O <sub>4</sub> modified activated carbon anode for enhancing power generation in direct glucose fuel cell. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 8178-8187	6.7	20
262	Optical influence of annealing in nano- and submicron-scale ZrO <sub>2</sub> powders. <i>Ceramics International</i> , <b>2014</b> , 40, 8513-8518	5.1	20
261	Asymmetric impact of temperature on COVID-19 spread in India: Evidence from quantile-on-quantile regression approach. <i>Journal of Thermal Biology</i> , <b>2021</b> , 104, 103101	2.9	20
260	Empirical Correlation of Permanent Deformation Tests for Evaluating the Rutting Response of Conventional Asphaltic Concrete Mixtures. <i>Journal of Materials in Civil Engineering</i> , <b>2017</b> , 29, 04017059	3	19
259	Spatial distribution of microplastics in soil with context to human activities: a case study from the urban center. <i>Environmental Monitoring and Assessment</i> , <b>2020</b> , 192, 671	3.1	19
258	Assessment of public intention to get vaccination against COVID-19: Evidence from a developing country. <i>Journal of Evaluation in Clinical Practice</i> , <b>2021</b> ,	2.5	19
257	Potato peels: A potential food waste for amylase production. <i>Journal of Food Process Engineering</i> , <b>2017</b> , 40, e12512	2.4	18
256	Prioritizing and overcoming biomass energy barriers: Application of AHP and G-TOPSIS approaches. <i>Technological Forecasting and Social Change</i> , <b>2022</b> , 177, 121524	9.5	18
255	Self-processing photopolymer materials for versatile design and fabrication of holographic sensors and interactive holograms. <i>Applied Optics</i> , <b>2018</b> , 57, E173-E183	1.7	17
254	Evaluating Green Technology Strategies for the Sustainable Development of Solar Power Projects: Evidence From Pakistan. <i>Sustainability</i> , <b>2021</b> , 13, 12997	3.6	17
253	Cardiac toxicity of heavy metals (cadmium and mercury) and pharmacological intervention by vitamin C in rabbits. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 29266-29279	5.1	16
252	Application of response surface methodology for optimization of medium components for the production of secondary metabolites by <i>Streptomyces diastatochromogenes</i> KX852460. <i>AMB Express</i> , <b>2017</b> , 7, 96	4.1	16
251	Kinetics Study of Extracellular Detergent Stable Alkaline Protease from <i>Rhizopus oryzae</i> . <i>Brazilian Archives of Biology and Technology</i> , <b>2015</b> , 58, 175-184	1.8	16
250	Renewable and non-renewable energy consumption in Bangladesh: The relative influencing profiles of economic factors, urbanization, physical infrastructure and institutional quality. <i>Renewable Energy</i> , <b>2022</b> , 184, 1130-1149	8.1	16
249	Modeling consumers' information acquisition and 5G technology utilization: Is personality relevant?. <i>Personality and Individual Differences</i> , <b>2022</b> , 188, 111450	3.3	16
248	Epidemiology of Male Sexual Dysfunction in Asian and European Regions: A Systematic Review. <i>American Journal of Men's Health</i> , <b>2020</b> , 14, 1557988320937200	2.2	16

247	Do Financial Development and Economic Openness Matter for Economic Progress in an Emerging Country? Seeking a Sustainable Development Path. <i>Journal of Risk and Financial Management</i> , <b>2021</b> , 14, 237	2.4	16
246	Melting performance enhancement of a phase change material using branched fins and nanoparticles for energy storage applications. <i>Journal of Energy Storage</i> , <b>2021</b> , 38, 102513	7.8	16
245	The Effect of Project Management Capabilities on Project Success in Pakistan: An Empirical Investigation. <i>IEEE Access</i> , <b>2019</b> , 7, 39417-39431	3.5	15
244	Unravelling the Fuzzy Effect of Economic, Social and Environmental Sustainability on the Corporate Reputation of Public-Sector Organizations: A Case Study of Pakistan. <i>Sustainability</i> , <b>2018</b> , 10, 769	3.6	15
243	A novel Sustainable Development Goal 7 composite index as the paradigm for energy sustainability assessment: A case study from Europe. <i>Applied Energy</i> , <b>2021</b> , 118173	10.7	15
242	Factors influencing individuals' intention to adopt mobile banking in China and Pakistan: The moderating role of cultural values. <i>Journal of Public Affairs</i> , <b>2019</b> , 19, e1884	1.3	14
241	Performance Test on Styrene-Butadiene-Styrene (SBS) Modified Asphalt Based on the Different Evaluation Methods. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 467	2.6	14
240	Rutting and Fatigue Properties of Cellulose Fiber-Added Stone Mastic Asphalt Concrete Mixtures. <i>Advances in Materials Science and Engineering</i> , <b>2019</b> , 2019, 1-8	1.5	14
239	Influence of Coarse-Aggregate Angularity on Asphalt Mixture Macroperformance: Skid Resistance, High-Temperature, and Compaction Performance. <i>Journal of Materials in Civil Engineering</i> , <b>2020</b> , 32, 04020095	2.0095	14
238	Ammonia capture from wastewater with a high ammonia nitrogen concentration by water splitting and hollow fiber extraction. <i>Chemical Engineering Science</i> , <b>2020</b> , 227, 115934	4.4	14
237	3D porous nanostructured NiN-CoN as a robust electrode material for glucose fuel cell.. <i>RSC Advances</i> , <b>2020</b> , 10, 6444-6451	3.7	14
236	The asymmetric nexus between air pollution and COVID-19: Evidence from a non-linear panel autoregressive distributed lag model.. <i>Environmental Research</i> , <b>2022</b> , 112848	7.9	14
235	Linking energy transitions, energy consumption, and environmental sustainability in OECD countries. <i>Gondwana Research</i> , <b>2021</b> ,	5.1	14
234	Pseudorandom Number Generator (PRNG) Design Using Hyper-Chaotic Modified Robust Logistic Map (HC-MRLM). <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 104	2.6	14
233	Investigation of key process parameters in acid recovery for diffusion dialysis using novel (MDMH-QPPO) anion exchange membranes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 93, 405-413	5.3	14
232	DFT study of the electronic and optical properties of ternary chalcogenides AlX <sub>2</sub> Te <sub>4</sub> . <i>Materials Research Express</i> , <b>2019</b> , 6, 116314	1.7	13
231	Liquid-Phase Parahydrogen-Induced Polarization (PHIP) with Ligand-Capped Platinum Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 13313-13319	3.8	13
230	Tunneling and traversal of ultracold three-level atoms through vacuum-induced potentials. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	13

229	Do Tourism Development, Energy Consumption and Transportation Demolish Sustainable Environments? Evidence from Chinese Provinces. <i>Sustainability</i> , <b>2021</b> , 13, 12361	3.6	13
228	How do green financing and green logistics affect the circular economy in the pandemic situation: key mediating role of sustainable production. <i>Economic Research-Ekonomska Istrazivanja</i> , 1-21	2.5	13
227	The impact of internet development on the health of Chinese residents: Transmission mechanisms and empirical tests. <i>Socio-Economic Planning Sciences</i> , <b>2021</b> , 101178	3.7	13
226	Multi-objective mutation-enabled adaptive local attractor quantum behaved particle swarm optimisation based optimal sizing of hybrid renewable energy system for smart cities in India. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 49, 101689	4.7	13
225	Chlorella-derived porous heteroatom-doped carbons as robust catalysts for oxygen reduction reaction in direct glucose alkaline fuel cell. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 2823-2831	6.7	13
224	Antibacterial nanostructured composite coating on high performance Vectran fabric for aerospace structures. <i>Surface and Coatings Technology</i> , <b>2019</b> , 373, 47-55	4.4	12
223	Online Self-Disclosure Through Social Networking Sites Addiction: A Case Study of Pakistani University Students. <i>Interdisciplinary Description of Complex Systems</i> , <b>2019</b> , 17, 187-208	0.4	12
222	Revisiting the relationship of dynamic and resilient modulus test for asphaltic concrete mixtures. <i>Construction and Building Materials</i> , <b>2018</b> , 170, 698-707	6.7	12
221	Feasibility of Using Elastic Wave Velocity Monitoring for Early Warning of Rainfall-Induced Slope Failure. <i>Sensors</i> , <b>2018</b> , 18,	3.8	12
220	Three-qubit Grover algorithm using superconducting quantum interference devices in cavity-QED. <i>Quantum Information Processing</i> , <b>2013</b> , 12, 3649-3664	1.6	12
219	Investigating the employee work performance in task interdependence and ESM environment. <i>International Journal of Information Systems and Change Management</i> , <b>2018</b> , 10, 266	0.3	12
218	Natural resources and financial development: Role of business regulations in testing the resource-curse hypothesis in ASEAN countries. <i>Resources Policy</i> , <b>2022</b> , 76, 102612	7.2	12
217	Wind Energy Development in South Asia: Status, Potential and Policies <b>2019</b> ,		11
216	Morphological and molecular characterization of Nosema pernyi, a microsporidian parasite in Antheraea pernyi. <i>Parasitology Research</i> , <b>2015</b> , 114, 3327-36	2.4	11
215	Energy Efficiency in the Post-COVID-19 Era: Exploring the Determinants of Energy-Saving Intentions and Behaviors. <i>Frontiers in Energy Research</i> , <b>2022</b> , 9,	3.8	11
214	Reinvestigating the Environmental Kuznets Curve (EKC) hypothesis by a composite model constructed on the Armeij curve hypothesis with government spending for the US States. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	11
213	Household head's educational level and household education expenditure in China: The mediating effect of social class identification. <i>International Journal of Educational Development</i> , <b>2021</b> , 83, 102400	1.6	11
212	Screening, identification, optimization of fermentation conditions, and extraction of secondary metabolites for the biocontrol of Rhizoctonia Solani AG-3. <i>Biotechnology and Biotechnological Equipment</i> , <b>2017</b> , 31, 91-98	1.6	10



211	Processing of metallic fiber hybrid spun yarns for better electrical conductivity. <i>Materials and Manufacturing Processes</i> , <b>2019</b> , 34, 1008-1015	4.1	10
210	Investigating the Influence of International Tourism in Pakistan and Its Linkage to Economic Growth: Evidence From ARDL Approach. <i>SAGE Open</i> , <b>2020</b> , 10, 215824402093252	1.5	10
209	Post tuberculosis treatment infectious complications. <i>International Journal of Infectious Diseases</i> , <b>2020</b> , 92S, S41-S45	10.5	10
208	Production of bioethanol from sugarcane bagasse using yeast strains: A kinetic study. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2018</b> , 40, 364-372	1.6	10
207	Enhanced Dissolution of Liquid Microdroplets in the Extensional Creeping Flow of a Hydrodynamic Trap. <i>Langmuir</i> , <b>2016</b> , 32, 9460-7	4	10
206	Production of Avermectin B1b From <i>Streptomyces avermitilis</i> 41445 by Batch Submerged Fermentation. <i>Jundishapur Journal of Microbiology</i> , <b>2013</b> , 6,	1.2	10
205	State-of-the-art sustainable approaches for deeper decarbonization in Europe [An endowment to climate neutral vision. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 159, 112204	16.2	10
204	Links among energy intensity, non-linear financial development, and environmental sustainability: New evidence from Asia Pacific Economic Cooperation countries. <i>Journal of Cleaner Production</i> , <b>2022</b> , 330, 129747	10.3	10
203	The role of innovation investment and institutional quality on green total factor productivity: evidence from 46 countries along the "Belt and Road". <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	10
202	Production, purification, and characterization of carboxymethyl cellulase from novel strain <i>Bacillus megaterium</i> . <i>Environmental Progress and Sustainable Energy</i> , <b>2016</b> , 35, 1741-1749	2.5	10
201	PVP-bridged $\gamma$ -LiAlO <sub>2</sub> nanolayer on Li <sub>1.2</sub> Ni <sub>0.182</sub> Co <sub>0.08</sub> Mn <sub>0.538</sub> O <sub>2</sub> cathode materials for improving the rate capability and cycling stability. <i>Chemical Engineering Science</i> , <b>2021</b> , 229, 116126	4.4	10
200	Recent advances in high performance conducting solid polymer electrolytes for lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2021</b> , 486, 229378	8.9	10
199	Does electricity production from different sources in Pakistan have dominant contribution to economic growth? Empirical evidence from long-run and short-run analysis. <i>Electricity Journal</i> , <b>2020</b> , 33, 106717	2.6	9
198	Assessment of Microbial Load of Un-pasteurized Fruit Juices and in vitro Antibacterial Potential of Honey Against Bacterial Isolates. <i>Open Microbiology Journal</i> , <b>2015</b> , 9, 26-32	0.8	9
197	Effects of detuning on tunneling and traversal of ultracold atoms through vacuum-induced potentials. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	9
196	Coherent control of tunneling and traversal of ultracold atoms through vacuum-induced potentials. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	9
195	The dynamics of public spending on sustainable green economy: role of technological innovation and industrial structure effects. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	9
194	Purification and kinetics study of thermostable cellulase free xylanase from <i>Bacillus subtilis</i> . <i>Protein and Peptide Letters</i> , <b>2013</b> , 20, 1225-31	1.9	9

193	Investigating the myth of smokeless industry: environmental sustainability in the ASEAN countries and the role of service sector and renewable energy. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 55344-55361	5.1	9
192	How does telecommunications infrastructure affect eco-efficiency? Evidence from a quasi-natural experiment in China. <i>Technology in Society</i> , <b>2022</b> , 101963	6.3	9
191	mRNA vaccines for COVID-19 and diverse diseases.. <i>Journal of Controlled Release</i> , <b>2022</b> , 345, 314-333	11.7	9
190	Zi-CAM: A Power and Resource Efficient Binary Content-Addressable Memory on FPGAs. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 584	2.6	8
189	Analysis of Germin-like Protein Genes (OsGLPs) Family in Rice Using Various In silico Approaches. <i>Current Bioinformatics</i> , <b>2020</b> , 15, 17-33	4.7	8
188	Tailoring supercurrent confinement in graphene bilayer weak links. <i>Nature Communications</i> , <b>2018</b> , 9, 1722	17.4	8
187	Effects of mode profile on tunneling and traversal of ultracold atoms through vacuum-induced potentials. <i>Optics Communications</i> , <b>2016</b> , 365, 157-163	2	8
186	A front tracking method for particle-resolved simulation of evaporation and combustion of a fuel droplet. <i>Computers and Fluids</i> , <b>2018</b> , 174, 283-299	2.8	8
185	Factors associated within 28 days in-hospital mortality of patients with acute respiratory distress syndrome. <i>BioMed Research International</i> , <b>2013</b> , 2013, 564547	3	8
184	Phase change in terahertz waves emitted from differently doped graphite: The role of carrier drift. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 201108	3.4	8
183	Engineering drought tolerance in plants by modification of transcription and signalling factors. <i>Biotechnology and Biotechnological Equipment</i> , <b>2020</b> , 34, 781-789	1.6	8
182	Enhancement of photocatalytic NOx abatement on titania via additional metal oxide NOx-storage domains: Interplay between surface acidity, specific surface area, and humidity. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 263, 118227	21.8	8
181	Poly(2-methyl-2-oxazoline) and poly(4-vinyl pyridine) based mixed brushes with switchable ability toward protein adsorption. <i>European Polymer Journal</i> , <b>2019</b> , 120, 109199	5.2	7
180	Essential role of the N- and C-terminals of laccase from <i>Pleurotus florida</i> on the laccase activity and stability. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 174, 2007-17	3.2	7
179	Interventions for the Current COVID-19 Pandemic: Frontline Workers' Intention to Use Personal Protective Equipment.. <i>Frontiers in Public Health</i> , <b>2021</b> , 9, 793642	6	7
178	Do economic openness and electricity consumption matter for environmental deterioration: silver bullet or a stake?. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 54069-54084	5.1	7
177	Novel evaluation of bender element transmitter response in transparent soil. <i>Geotechnique</i> , <b>2020</b> , 70, 187-198	3.4	7
176	Geotechnical Properties of Effluent-Contaminated Cohesive Soils and Their Stabilization Using Industrial By-Products. <i>Processes</i> , <b>2018</b> , 6, 203	2.9	7

175	Valorization of banana peels waste into biovanillin and optimization of process parameters using submerged fermentation. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2021</b> , 36, 102154	4.2	7
174	Determinants of Social Commerce Usage and Online Impulse Purchase: Implications for Business and Digital Revolution.. <i>Frontiers in Psychology</i> , <b>2022</b> , 13, 837042	3.4	7
173	Isolation and Identification of Cellulolytic and Ethanologenic Bacteria from Soil <b>2017</b> , 41, 551-555		6
172	Electrodialytic Desalination of Tobacco Sheet Extract: Membrane Fouling Mechanism and Mitigation Strategies. <i>Membranes</i> , <b>2020</b> , 10,	3.8	6
171	Development and Performance Evaluation of Disk-Type Piezoelectric Transducer for Measurement of Shear and Compression Wave Velocities in Soil. <i>Journal of Earthquake Engineering</i> , <b>2018</b> , 22, 147-171	1.8	6
170	Statistical modeling and optimization of pretreatment of Bombax ceiba with KOH through BoxBehnken design of response surface methodology. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2018</b> , 40, 1114-1124	1.6	6
169	Production of ethanol from alkali-pretreated sugarcane bagasse under the influence of different process parameters. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , <b>2015</b> , 8, 358-362	0.7	6
168	Analysis of the Impact of Livestock Structure on Carbon Emissions of Animal Husbandry: A Sustainable Way to Improving Public Health and Green Environment.. <i>Frontiers in Public Health</i> , <b>2022</b> , 10, 835210	6	6
167	Chlorophyll Fluorescence Imaging-Based Duckweed Phenotyping to Assess Acute Phytotoxic Effects.. <i>Plants</i> , <b>2021</b> , 10,	4.5	6
166	An updated checklist of Pteridophytes of district Mansehra, Khyber Pukhtunkhwa-Pakistan. <i>Plant Science Today</i> , <b>2016</b> , 3, 237	2.2	6
165	Bioinformatics Approaches to Explore the Phylogeny and Role of BRCA1 in Breast Cancer. <i>Critical Reviews in Eukaryotic Gene Expression</i> , <b>2019</b> , 29, 551-564	1.3	6
164	The Psychological Impact of Coronavirus on University Students and its Socio-Economic Determinants in Malaysia. <i>Inquiry (United States)</i> , <b>2021</b> , 58, 469580211056217	1.4	6
163	Core-crown Quantum Nanoplatelets with Favorable Type-II Heterojunctions Boost Charge Separation and Photocatalytic NO Oxidation on TiO <sub>2</sub> . <i>ChemCatChem</i> , <b>2020</b> , 12, 6329-6343	5.2	6
162	Assessment of Non-Carcinogenic and Carcinogenic Risks Due to Ingestion of Vegetables Grown Under Sewage Water Irrigated Soils Near a 33 Years Old Landfill Site in Kolkata, India. <i>Exposure and Health</i> ,1	8.8	6
161	Underlying Conditions and Clinical Spectrum of Chronic Pulmonary Aspergillosis (CPA): An Experience from a Tertiary Care Hospital in Karachi, Pakistan. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2020</b> , 6,	5.6	6
160	Hispidulin: A novel natural compound with therapeutic potential against human cancers. <i>Phytotherapy Research</i> , <b>2021</b> , 35, 771-789	6.7	6
159	Role of Project Planning and Project Manager Competencies on Public Sector Project Success. <i>Sustainability</i> , <b>2021</b> , 13, 1421	3.6	6
158	How public expenditure in recreational and cultural industry and socioeconomic status caused environmental sustainability in OECD countries?. <i>Economic Research-Ekonomiska Istrazivanja</i> ,1-18	2.5	6

157	Psychological Healing in Pakistan: From Sufism to Culturally Adapted Cognitive Behaviour Therapy. <i>Journal of Contemporary Psychotherapy</i> , <b>2017</b> , 47, 119-124	2.3	5
156	Antecedents of task performance: An examination of transformation leadership, team communication, team creativity, and team trust. <i>Journal of Public Affairs</i> , <b>2019</b> , 19, e1927	1.3	5
155	Study on the effect of magnetic field treatment of newly isolated Paenibacillus sp. <i>Botanical Studies</i> , <b>2015</b> , 56, 2	2.3	5
154	In-Situ Combination of Bipolar Membrane Electrodialysis with Monovalent Selective Anion-Exchange Membrane for the Valorization of Mixed Salts into Relatively High-Purity Monoprotic and Diprotic Acids. <i>Membranes</i> , <b>2020</b> , 10,	3.8	5
153	Ultraviolet (UV)-B radiation from Gd <sup>3+</sup> activated Li <sub>2</sub> MgSiO <sub>4</sub> ceramics. <i>Optik</i> , <b>2020</b> , 207, 164475	2.5	5
152	Project Management Maturity and Organizational Reputation: A Case Study of Public Sector Organizations. <i>IEEE Access</i> , <b>2020</b> , 8, 73828-73842	3.5	5
151	Multiqubit quantum phase gate using four-level superconducting quantum interference devices coupled to superconducting resonator. <i>Physica C: Superconductivity and Its Applications</i> , <b>2012</b> , 477, 24-31 <sup>1-3</sup>		5
150	Design and development of a generic spatial decision support system, based on artificial intelligence and multicriteria decision analysis. <i>GeoResJ</i> , <b>2017</b> , 14, 47-58		5
149	Effect of KOH Pretreatment on Lignocellulosic Waste to be Used as Substrate for Ethanol Production <b>2017</b> , 41, 659-663		5
148	Characterization of LpGPAT gene in Lilium pensylvanicum and response to cold stress. <i>BioMed Research International</i> , <b>2015</b> , 2015, 792819	3	5
147	Directional terahertz emission from corrugated InAs structures. <i>Optics Express</i> , <b>2013</b> , 21, 19709-17	3.3	5
146	Lithium hydroxyphenyl propanesulfonate imparts composite solid polymer electrolytes with ultrahigh ionic conductivity for dendrite free lithium batteries. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 134775	14.7	5
145	Experimental and statistical study for leaching of niobium pentoxide from Pakistani ore. <i>Chemical Industry and Chemical Engineering Quarterly</i> , <b>2018</b> , 24, 51-58	0.7	5
144	Utilization of agricultural wastes as a substrate for Carboxymethyl cellulase production from <i>Aspergillus niger</i> in submerged fermentation. <i>International Journal for Agro Veterinary and Medical Sciences</i> , <b>2011</b> , 5, 464		5
143	Thermostable trypsin-like protease by <i>Penicillium roqueforti</i> secreted in cocoa shell fermentation: Production optimization, characterization, and application in milk clotting. <i>Biotechnology and Applied Biochemistry</i> , <b>2021</b> ,	2.8	5
142	Electrical resistive heating characterization of conductive hybrid staple spun yarns. <i>Journal of the Textile Institute</i> , <b>2020</b> , 111, 1481-1488	1.5	5
141	Statistical optimization of cultural parameters for the optimized production of alginic acid using apple ( <i>Malus domestica</i> ) peels through solid-state fermentation. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2.3	5
140	Development of Kapok/Recycled-PET Blended Needle-Punched Thermal Waddings. <i>Journal of Natural Fibers</i> , <b>2020</b> , 1-9	1.8	5

139	The Nexus between Team Culture, Innovative Work Behaviour and Tacit Knowledge Sharing: Theory and Evidence. <i>Sustainability</i> , <b>2021</b> , 13, 4333	3.6	5
138	Vulnerability of Environmental Resources in Indus Basin after the Development of Irrigation System <b>2019</b> ,		5
137	Cultural adaptation of cognitive behavioural therapy (CBT) for patients with depression and anxiety in Saudi Arabia and Bahrain: a qualitative study exploring views of patients, carers, and mental health professionals. <i>The Cognitive Behaviour Therapist</i> , <b>2019</b> , 12,	2.9	4
136	Realization of quantum gates with multiple control qubits or multiple target qubits in a cavity. <i>Quantum Information Processing</i> , <b>2015</b> , 14, 1869-1887	1.6	4
135	Enhanced remediation of Cr <sup>6+</sup> in bacterial-assisted floating wetlands. <i>Water and Environment Journal</i> , <b>2020</b> , 34, 970-978	1.7	4
134	UVB-emitting gadolinium-doped Ba <sub>2</sub> YZrO <sub>6</sub> perovskite ceramic phosphor. <i>Optik</i> , <b>2020</b> , 206, 164263	2.5	4
133	On the tunneling time of ultracold atoms through a system of two mazer cavities. <i>Scientific Reports</i> , <b>2018</b> , 8, 1864	4.9	4
132	Investigation of near-infrared luminescence in Er <sup>3+</sup> and Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped ZnMgAl <sub>10</sub> O <sub>17</sub> phosphors. <i>Optik</i> , <b>2018</b> , 158, 1283-1288	2.5	4
131	Effects of the Biocontrol Agent <i>Aspergillus flavipes</i> on the Soil Microflora and Soil Enzymes in the Rooting Zone of Pepper Plants Infected with <i>Phytophthora capsici</i> . <i>Journal of Phytopathology</i> , <b>2015</b> , 163, 513-521	1.8	4
130	Scheme for the teleportation of bipartite entangled state of the two cavity modes. <i>Optics Communications</i> , <b>2011</b> , 284, 675-680	2	4
129	Ethnobotanical survey of the flora of Maidan Valley, Lower Dir District, Khyber Pakhtunkhwa Province, Pakistan. <i>Plant Science Today</i> , <b>2018</b> , 5, 68-71	2.2	4
128	<i>Anisochilus carnosus</i> (L. f.) Wall. ex Benth. (Lamiaceae) Æ new generic record for Pakistan. <i>Plant Science Today</i> , <b>2017</b> , 4, 102-104	2.2	4
127	Luminescence and EPR properties of UVB emitting Gd doped NaBaPO <sub>4</sub> phosphor prepared by co-precipitation method. <i>Optik</i> , <b>2020</b> , 206, 164086	2.5	4
126	Photoluminescence and electron spin resonance study on narrow-band UVB emitting Gd-doped LaPO <sub>4</sub> phosphors. <i>Optik</i> , <b>2020</b> , 206, 164020	2.5	4
125	Integrated metabolic profiling and transcriptome analysis of pigment accumulation in diverse petal tissues in the lily cultivar 'Vivian'. <i>BMC Plant Biology</i> , <b>2020</b> , 20, 446	5.3	4
124	The global research trend on cadmium in freshwater: a bibliometric review. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	4
123	Stimulating student's pro-environmental behavior in higher education institutions: an ability-motivation-opportunity perspective. <i>Environment, Development and Sustainability</i> , 1	4.5	4
122	Effect of NaOH on delignification of <i>Saccharum spontaneum</i> . <i>Environmental Progress and Sustainable Energy</i> , <b>2016</b> , 35, 284-288	2.5	4

121	Angiotensin Receptor Blockers for Erectile Dysfunction in Hypertensive Men: A Brief Meta-Analysis of Randomized Control Trials. <i>American Journal of Men's Health</i> , <b>2019</b> , 13, 1557988319892735	2.2	4
120	Finding space to grow urban hedges as a natural air filter along pedestrian paths: a GIS-based investigation of a UK urban centre. <i>Euro-Mediterranean Journal for Environmental Integration</i> , <b>2018</b> , 3, 1	1.7	4
119	MEASURING THE IMPACT OF ECONOMIC POLICIES ON CO2 EMISSIONS: WAYS TO ACHIEVE GREEN ECONOMIC RECOVERY IN THE POST-COVID-19 ERA. <i>Climate Change Economics</i> ,	0.9	4
118	Forest and mineral volatility and economic performance: Evidence from frequency domain causality approach for global data. <i>Resources Policy</i> , <b>2022</b> , 76, 102685	7.2	4
117	Designing of a Novel Multi-Antigenic Epitope-Based Vaccine against E. hormaechei: An Intergraded Reverse Vaccinology and Immunoinformatics Approach. <i>Vaccines</i> , <b>2022</b> , 10, 665	5.3	4
116	Polarized Terahertz Waves Emitted from In0.2Ga0.8As Nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 6024-7	1.3	3
115	Effectiveness of a culturally adapted cognitive behavioural therapy-based guided self-help (CACBT-GSH) intervention to reduce social anxiety and enhance self-esteem in adolescents: a randomized controlled trial from Pakistan. <i>Behavioural and Cognitive Psychotherapy</i> , <b>2020</b> , 48, 503-514	2.1	3
114	Sexual Abstinence and Associated Factors Among Young and Middle-Aged Men: A Systematic Review. <i>Journal of Sexual Medicine</i> , <b>2020</b> , 17, 412-430	1.1	3
113	Kallar grass ( <i>Leptochloa fusca</i> L. Kunth) as a feedstock for ethanol fermentation with the aid of response surface methodology. <i>Environmental Progress and Sustainable Energy</i> , <b>2018</b> , 37, 569-576	2.5	3
112	Structure and evolution analysis of pollen receptor-like kinase in <i>Zea mays</i> and <i>Arabidopsis thaliana</i> . <i>Computational Biology and Chemistry</i> , <b>2014</b> , 51, 63-70	3.6	3
111	An Overview of Bacterial Lipases and their Enormous Applications. <i>Punjab University Journal of Zoology</i> , <b>2019</b> ,	1.1	3
110	Regulation of MYB Transcription Factors of Anthocyanin Synthesis in Lily Flowers.. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 761668	6.2	3
109	The role of environmental regulation, industrial upgrading, and resource allocation on foreign direct investment: evidence from 276 Chinese cities.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	3
108	Identification of quantitative trait loci for leaf traits in rice. <i>Genetika</i> , <b>2016</b> , 48, 643-652	0.6	3
107	ISOLATION OF CELLULOLYTIC BACTERIA FROM SOIL AND VALORIZATION OF DIFFERENT LIGNOCELLULOSIC WASTES FOR CELLULASE PRODUCTION BY SUBMERGED FERMENTATION. <i>Cellulose Chemistry and Technology</i> , <b>2021</b> , 55, 821-828	1.9	3
106	Traditional medicinal plant knowledge of some spermatophytes of Samar Bagh Valley, Lower Dir District, Pakistan. <i>Plant Science Today</i> , <b>2017</b> , 4, 151-153	2.2	3
105	Alpha Solanine: A Novel Natural Bioactive Molecule with Anticancer Effects in Multiple Human Malignancies. <i>Nutrition and Cancer</i> , <b>2021</b> , 73, 1541-1552	2.8	3
104	Evaluation of Cadmium Chloride-Induced Toxicity in Chicks Via Hematological, Biochemical Parameters, and Cadmium Level in Tissues. <i>Biological Trace Element Research</i> , <b>2021</b> , 199, 3457-3469	4.5	3

103	A comprehensive review on anticancer mechanism of bazedoxifene. <i>Biotechnology and Applied Biochemistry</i> , <b>2021</b> ,	2.8	3
102	Experimental Study on Endurance Performance of Lime and Cement-Treated Cohesive Soil. <i>KSCE Journal of Civil Engineering</i> , <b>2021</b> , 25, 3306-3318	1.9	3
101	Statistical optimization of dilute acid pretreatment of pinus needles to be used as substrate for biofuel production. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 1983-1992	1.6	3
100	Effect of Fermentation Broth of Endophytic Fungi on Physiological and Biochemical Characteristics of Tomato Seedling Under Calcium Nitrate Stress <b>2019</b> , 43, 1427-1432		3
99	The impact of data noise on permanent deformation behaviour of asphalt concrete mixtures. <i>International Journal of Pavement Engineering</i> , <b>2020</b> , 21, 1470-1481	2.6	3
98	Effects of gradient concentration on the microstructure and electrochemical performance of LiNi <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> O <sub>2</sub> cathode materials. <i>Frontiers of Chemical Science and Engineering</i> , <b>2020</b> , 14, 988-994	4.5	3
97	An Optimized Adaptive Protection Scheme for Numerical and Directional Overcurrent Relay Coordination Using Harris Hawk Optimization. <i>Energies</i> , <b>2021</b> , 14, 5603	3.1	3
96	Novel conducting solid polymer electrolytes with a zwitterionic structure boosting ionic conductivity and retarding lithium dendrite formation. <i>Journal of Materials Chemistry A</i> ,	13	3
95	Asymmetric effects of fine particulate matter and stringency policy on COVID-19 intensity.. <i>International Journal of Environmental Health Research</i> , <b>2022</b> , 1-13	3.6	3
94	Recent Trends, Challenges, and Future Aspects of P2P Energy Trading Platforms in Electrical-Based Networks Considering Blockchain Technology: A Roadmap Toward Environmental Sustainability. <i>Frontiers in Energy Research</i> , <b>2022</b> , 10,	3.8	3
93	Exploring the technical and behavioral dimensions of green supply chain management: a roadmap toward environmental sustainability.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	3
92	Statistical optimization for deconstruction of poplar substrate by dilute sulfuric acid for bioethanol production. <i>Green Chemistry Letters and Reviews</i> , <b>2017</b> , 10, 69-79	4.7	2
91	Role of Bioprocess Parameters to Improve Cellulase Production: Part I <b>2019</b> , 63-76		2
90	Modeling the Impact of Modified Inertia Coefficient (H) due to ESS in Power System Frequency Response Analysis. <i>Energies</i> , <b>2020</b> , 13, 902	3.1	2
89	Effect of Different Pretreatment Conditions on Saccharum spontaneum for Cellulase Production by B. subtilis K-18 Through Box-Bhenken Design <b>2018</b> , 42, 313-320		2
88	GIS-based investigation of historic landfill sites in the coastal zones of Wales (UK). <i>Euro-Mediterranean Journal for Environmental Integration</i> , <b>2019</b> , 4, 1	1.7	2
87	Propagation effects of THz waves in InAs-based heterostructures. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 5228-31	1.3	2
86	Comparison of different pretreatment methods for efficient conversion of bagasse into ethanol. <i>Biofuels</i> , <b>2017</b> , 8, 135-141	2	2

85	Physical stress may result in growth suppression and pubertal delay in working boys. <i>Journal of Medical Hypotheses and Ideas</i> , <b>2012</b> , 6, 35-39		2
84	Microbial conversion of pomegranate peels to biovanillin using submerged fermentation and process optimization through statistical design. <i>Biomass Conversion and Biorefinery</i> ,1	2.3	2
83	Valorization of Fruit Peels into Biovanillin and Statistical Optimization of Process Using <i>Enterobacter hormaechei</i> through Solid-State Fermentation. <i>Fermentation</i> , <b>2022</b> , 8, 40	4.7	2
82	Utilization of fruit wastes for enzyme production in submerged fermentation. <i>International Journal of Biology and Chemistry</i> , <b>2020</b> , 13,	1.2	2
81	"Allergic bronchopulmonary aspergillosis misdiagnosed as smear negative pulmonary tuberculosis; a retrospective study from Pakistan". <i>Annals of Medicine and Surgery</i> , <b>2021</b> , 72, 103045	2	2
80	Concentration of cane-sugar syrup in a pilot scale climbing film evaporator. <i>Chemical Industry and Chemical Engineering Quarterly</i> , <b>2018</b> , 24, 43-50	0.7	2
79	Genetic analysis of chlorophyll content in maize by mixed major and polygene models. <i>Genetika</i> , <b>2014</b> , 46, 1037-1046	0.6	2
78	Construction of a genetic linkage map in <i>Lilium</i> using a RIL mapping population based on SRAP marker. <i>Genetika</i> , <b>2015</b> , 47, 425-438	0.6	2
77	Determinants of labor productivity for building projects in Pakistan. <i>Journal of Construction Engineering Management &amp; Innovation</i> , <b>2020</b> , 3, 85-100	2.6	2
76	Etiology, Clinical, Radiological, and Microbiological Profile of Patients with Non-cystic Fibrosis Bronchiectasis at a Tertiary Care Hospital of Pakistan. <i>Cureus</i> , <b>2020</b> , 12, e7208	1.2	2
75	An Overview of Production and Industrial Exploitation of Bacterial Laccases. <i>Punjab University Journal of Zoology</i> , <b>2020</b> , 35,	1.1	2
74	Effects of exogenous and foliar applications of Brassinosteroid (BRs) and salt stress on the growth, yield and physiological parameters of <i>Lycopersicon esculentum</i> (Mill.). <i>Plant Science Today</i> , <b>2017</b> , 4, 88-101	2.2	2
73	Accuracy of genotype MTBDR line probe assay in patients with tuberculous pleural effusion: comparison with clinical and culture based diagnosis. <i>Infectious Diseases</i> , <b>2020</b> , 52, 235-241	3.1	2
72	Statistical Optimization of Xylanase from <i>Bacillus licheniformis</i> Using Banana Peels in Submerged Fermentation <b>2020</b> , 44, 981-991		2
71	Post COVID-19 tuberculosis: An emerging threat of pandemic. <i>Monaldi Archives for Chest Disease</i> , <b>2021</b> , 91,	2.7	2
70	Ecofriendly development of electrospun antibacterial membranes loaded with silver nanoparticles. <i>Journal of Industrial Textiles</i> ,152808372110125	1.6	2
69	Manipulation of terahertz waves by work function engineering in metal-graphite structures. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 161104	3.4	2
68	Analysing UTAUT with trust toward mobile banking adoption in China and Pakistan: extending with the effect of power distance and uncertainty avoidance. <i>International Journal of Financial Innovation in Banking</i> , <b>2019</b> , 2, 183	0.5	2



67	UV-B (ultraviolet-B) emitting Gd <sup>3+</sup> activated Ba <sub>2</sub> SiO <sub>4</sub> phosphor prepared by sol-gel method. <i>Optik</i> , <b>2021</b> , 225, 165442	2.5	2
66	Dynamic Causal Linkages Among Urbanization, Energy Consumption, Pollutant Emissions and Economic Growth in China <b>2021</b> , 90-105		2
65	Valorization of potato peel for production of alginate and optimization of the process through response surface methodology (RSM) by using <i>Azotobacter nigrificans</i> . <i>Biomass Conversion and Biorefinery</i> ,1	2.3	2
64	Effect of Long-Term Fertilization on Ammonia-Oxidizing Microorganisms and Nitrification in Brown Soil of Northeast China. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 622454	5.7	2
63	Internal and External Phosphorus Requirements for Optimum Grain Yield are Associated with P-utilization Efficiency of Wheat Cultivars. <i>Communications in Soil Science and Plant Analysis</i> , <b>2018</b> , 49, 2843-2853	1.5	2
62	Treating Postpartum Depression: What Do We Know about Brexanolone?. <i>Diseases (Basel, Switzerland)</i> , <b>2021</b> , 9,	4.4	2
61	Investigation of the stab resistance mechanism and performance of uncoated and SiO <sub>2</sub> coated high-performance aramid fabrics. <i>Journal of the Textile Institute</i> ,1-16	1.5	2
60	Performance enhancement of double-wall-heated rectangular latent thermal energy storage unit through effective design of fins. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 27, 101339	5.6	2
59	Dominant roles of eccentricity, fin design, and nanoparticles in performance enhancement of latent thermal energy storage unit. <i>Journal of Energy Storage</i> , <b>2021</b> , 43, 103181	7.8	2
58	Role of core structural genes for flavonoid biosynthesis and transcriptional factors in flower color of plants. <i>Biotechnology and Biotechnological Equipment</i> , <b>2021</b> , 35, 1214-1229	1.6	2
57	Hydrogeochemical Investigation of Elevated Arsenic Based on Entropy Modeling, in the Aquifers of District Sanghar, Sindh, Pakistan. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 3477	3	2
56	Does financial stress wreak havoc on banking, insurance, oil, and gold markets? New empirics from the extended joint connectedness of TVP-VAR model. <i>Resources Policy</i> , <b>2022</b> , 77, 102718	7.2	2
55	Green Investment for Sustainable Business Development: The Influence of Policy Instruments on Solar Technology Adoption. <i>Frontiers in Energy Research</i> , <b>2022</b> , 10,	3.8	2
54	Redescription of <i>Cheiracanthium rupicola</i> (Thorell, 1897) (Araneae, Cheiracanthiidae) with the first description of the male from Yunnan, China. <i>Journal of Asia-Pacific Biodiversity</i> , <b>2019</b> , 12, 316-319	0.6	1
53	and -Specific IgG Cut-Offs for the Diagnosis of Chronic Pulmonary Aspergillosis in Pakistan. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2020</b> , 6,	5.6	1
52	Characterization of the promoter region of the glycerol-3-phosphate-O-acyltransferase gene in <i>Lilium pensylvanicum</i> . <i>Turkish Journal of Biology</i> , <b>2017</b> , 41, 552-562	3.1	1
51	Effect of NaOH on pretreatment of <i>Gossypium herbaceum</i> . <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 1898-1903	1.6	1
50	Application of classification based cognitive functional therapy for a patient with lumbar spinal stenosis: A case report. <i>Manual Therapy</i> , <b>2016</b> , 23, 124-7		1

49	Action Mechanism of <i>Streptomyces diastatochromogenes</i> KX852460 Against <i>Rhizoctonia solani</i> AG-3 Involving Basidiospores Suppression and Oxidative Damage <b>2019</b> , 43, 2141-2147		1
48	Two new species of <i>Dipoena</i> Thorell, 1869 (Araneae, Theridiidae) from Wuling Mountains, China. <i>Turkish Journal of Zoology</i> , <b>2019</b> , 43, 598-608	0.7	1
47	Phylogenetic analysis of STK gene family and Usp domain in maize. <i>Molecular Biology Reports</i> , <b>2014</b> , 41, 8273-84	2.8	1
46	Catalytic Properties of Carboxymethyl Cellulase Produced from Newly Isolated Novel Fungus <i>Penicillium ochrochloron</i> ZH1 in Submerged Fermentation. <i>Catalysis Letters</i> , <b>2017</b> , 147, 2013-2022	2.8	1
45	First Record of <i>Didymella anemones</i> sp. nov. Teleomorph of <i>Ascochyta anemones</i> , the Causal Agent of Leaf Spots on <i>Pulsatilla korreana</i> in China. <i>Journal of Phytopathology</i> , <b>2012</b> , 160, 728-731	1.8	1
44	Role and Perspectives of Inflammation and C-Reactive Protein (CRP) in Psychosis: An Economic and Widespread Tool for Assessing the Disease. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
43	An Effective Coordination Setting for Directional Overcurrent Relays Using Modified Harris Hawk Optimization. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 3007	2.6	1
42	Phylogenetic diversity and cross-inoculation of indigenous isolated from nodules of peanut in Liaoning province of China. <i>Molecular Biology Research Communications</i> , <b>2019</b> , 8, 59-68	1.6	1
41	Immunotherapy for Triple-Negative Breast Cancer: Latest Research and Clinical Prospects. <i>Critical Reviews in Immunology</i> , <b>2019</b> , 39, 211-221	1.8	1
40	PL and EPR characteristics of Gd <sup>3+</sup> -activated SrMgSi <sub>2</sub> O <sub>6</sub> phosphor prepared by sol-gel procedure. <i>Optik</i> , <b>2020</b> , 204, 164157	2.5	1
39	Photoluminescence and EPR studies of narrowband ultraviolet B emitting trivalent gadolinium activated CaLaAl <sub>3</sub> O <sub>7</sub> phosphors. <i>Optik</i> , <b>2020</b> , 206, 163978	2.5	1
38	Clinical characteristics and outcomes of patients with H1N1 influenza pneumonia admitted at a tertiary care hospital in Karachi, Pakistan. <i>Pneumonia (Nathan Qld)</i> , <b>2020</b> , 12, 5	2.8	1
37	Metoprolol for prophylaxis of postoperative atrial fibrillation in cardiac surgery patients: systematic review and meta-analysis. <i>BMJ Open</i> , <b>2020</b> , 10, e038364	3	1
36	Efficacy of Aspirin for Vasculogenic Erectile Dysfunction in Men: A Meta-Analysis of Randomized Control Trials. <i>American Journal of Men's Health</i> , <b>2020</b> , 14, 1557988320969082	2.2	1
35	Enhanced interlaminar shear and impact performance of woven carbon/epoxy composites interleaved with needle punched high performance polyethylene fiber nonwoven. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50683	2.9	1
34	Luminescence and EPR studies of UVB emitting YPO <sub>4</sub> doped with Gd <sup>3+</sup> ions. <i>Optik</i> , <b>2021</b> , 225, 165804	2.5	1
33	Identification of bioactive compounds in leaves and fruits of <i>Actinidia arguta</i> accessions from northeastern China and assessment of their antioxidant activity with a radical-scavenging effect. <i>Biotechnology and Biotechnological Equipment</i> , <b>2021</b> , 35, 593-607	1.6	1
32	Characterization of LiMAPK gene in response to salinity stress in Tiger lily ( <i>Lilium lancifolium</i> Thunb.). <i>Biotechnology and Biotechnological Equipment</i> , <b>2018</b> , 32, 1154-1166	1.6	1

31	Review of the spider genus <i>Ectatosticta</i> Simon, 1892 (Araneae: Hypochilidae) with description of four new species from China. <i>Zootaxa</i> , <b>2021</b> , 5016, 523-542	0.5	1
30	Dynamic Multimodal Response of Bender Element Transmitter. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , <b>2021</b> , 147, 04021073	3.4	1
29	Interventions to mitigate indoor air pollution: A cost-benefit analysis. <i>PLoS ONE</i> , <b>2021</b> , 16, e0257543	3.7	1
28	Smart IoT and Machine Learning-based Framework for Water Quality Assessment and Device Component Monitoring.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	1
27	Bioethanol Production Optimization from KOH-Pretreated <i>Bombax ceiba</i> Using <i>Saccharomyces cerevisiae</i> through Response Surface Methodology. <i>Fermentation</i> , <b>2022</b> , 8, 148	4.7	1
26	AnDHN, a Dehydrin Protein From , Mitigates the Negative Effects of Drought Stress in Plants.. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 788938	6.2	1
25	Procurement and Characterization of Biodegradable Films made from Blends of Eucalyptus, Pine and Cocoa Bean Shell Nanocelluloses. <i>Waste and Biomass Valorization</i> ,	3.2	1
24	Retesting the EKC hypothesis through transmission of the ARMEY curve model: an alternative composite model approach with theory and policy implications for NAFTA countries.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	1
23	"CELLULASE PRODUCTION OPTIMIZATION BY BACILLUS AERIUS THROUGH RESPONSE SURFACE METHODOLOGY IN SUBMERGED FERMENTATION ". <i>Cellulose Chemistry and Technology</i> , <b>2022</b> , 56, 321-330	1.9	1
22	Two new species of Theridiidae (Arachnida, Araneae) from Yunnan province, China. <i>Journal of Asia-Pacific Biodiversity</i> , <b>2019</b> , 12, 394-399	0.6	0
21	On the ultraviolet B emissions of CaLaB7O13:Gd3+ phosphor. <i>Optik</i> , <b>2020</b> , 217, 164880	2.5	0
20	Ultra-violet B emitting Gd3+ doped LaP3O9 phosphors prepared by co-precipitation procedure. <i>Optik</i> , <b>2020</b> , 206, 164239	2.5	0
19	Exometabolomic study of extracellular metabolites in tobacco plant induced by ethyl acetate extracts of <i>Streptomyces diastatochromogenes</i> KX852460. <i>Journal of Radiation Research and Applied Sciences</i> , <b>2019</b> , 12, 157-165	1.5	0
18	Pharmacological actions of Dieckol on modulation of platelet functions and thrombus formation via integrin and cAMP signaling.. <i>Pharmacological Research</i> , <b>2022</b> , 177, 106088	10.2	0
17	Disease-related income and economic productivity loss in New Zealand: A longitudinal analysis of linked individual-level data. <i>PLoS Medicine</i> , <b>2021</b> , 18, e1003848	11.6	0
16	Diversity of methane-producing microbial community structure with 16S-V3 rDNA PCR-DGGE. <i>Genetika</i> , <b>2016</b> , 48, 1111-1119	0.6	0
15	Temperature-Sensitive Holograms with Switchable Memory. <i>Advanced Photonics Research</i> , <b>2021</b> , 2, 2100062	0.62	0
14	pH responsive switchable protein adsorption properties of poly(2-methyl-2-oxazoline)/ poly(4-vinyl pyridine) based coatings: Influence of poly(4-vinyl pyridine) chain length and ionic strength. <i>Progress in Organic Coatings</i> , <b>2021</b> , 157, 106307	4.8	0

13	Analysis of flavonoids biosynthesis-related genes expression reveals the mechanism of difference of flavonoid content in different tissues of <i>Actinidia arguta</i> . <i>Revista Brasileira De Botanica</i> , <b>2021</b> , 44, 513-523	1.2	o
12	Performance enhancement of latent energy storage system using effective designs of tubes and shell. <i>Energy Reports</i> , <b>2022</b> , 8, 3856-3872	4.6	o
11	Contrasting response of wheat to one-time root zone fertilization of ordinary and polymer coated urea for grain yield and nitrogen use efficiency. <i>Journal of Plant Nutrition</i> , 1-12	2.3	o
10	Revisiting economic and non-economic indicators of natural resources: Analysis of developed economies. <i>Resources Policy</i> , <b>2022</b> , 77, 102748	7.2	o
9	Three new species of Phrurolithus Koch, 1839 (Araneae, Phrurolithidae) from the Wuling Mountains, China. <i>Journal of Asia-Pacific Biodiversity</i> , <b>2019</b> , 12, 173-180	0.6	
8	Two new species of Theridiidae Sundevall, 1833, (Arachnida, Araneae) from the Wuling Mountain, China. <i>Journal of Asia-Pacific Biodiversity</i> , <b>2019</b> , 12, 165-172	0.6	
7	Effect of Elastane Parameters on the Dimensional and Mechanical Properties of Stretchable Denim Fabrics. <i>Clothing and Textiles Research Journal</i> , <b>2020</b> , 0887302X2096881	0.7	
6	Three new species of the spider genus Pimoa Chamberlin amp; Ivie, 1943 (Araneae, Pimoidae) from Qinghai-Tibet Plateau of China.. <i>Zootaxa</i> , <b>2022</b> , 5092, 318-330	0.5	
5	Six new species of Tonsilla Wang amp; Yin, 1992 (Araneae: Agelenidae) from southern China, with the first description of the male of T. yanlingensis (Zhang, Yin amp; Kim, 2000).. <i>Zootaxa</i> , <b>2022</b> , 5091, 357-372	0.5	
4	Finding Space to Grow Urban Hedges as a Natural Air Filter Along Pedestrian Paths: A GIS Based Investigation of Cardiff City Centre, Wales. <i>Advances in Science, Technology and Innovation</i> , <b>2018</b> , 1721-1722	0.3	
3	An overview of molecular genetic linkage maps in <i>Lilium</i> spp.. <i>Genetika</i> , <b>2017</b> , 49, 755-764	0.6	
2	Generation of polarization enhanced THz waves from holey nitrogenated graphene. <i>Optik</i> , <b>2019</b> , 178, 712-716	2.5	
1	Further revision of the mesh-web spider genus Taira Lehtinen, 1967 (Amaurobiidae), with the description of six new species. <i>Zootaxa</i> , <b>2021</b> , 5020, 457-488	0.5	