

Muhammad Irfan

List of Publications by Year in descending order

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375
papers

11,484
citations

31974

53
h-index

60616

81
g-index

376
all docs

376
docs citations

376
times ranked

6132
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy structure, digital economy, and carbon emissions: evidence from China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 64606-64629.	5.3	326
2	Heterogeneous Catalytic Hydrogenation Reactions in Continuous Flow Reactors. <i>ChemSusChem</i> , 2011, 4, 300-316.	6.8	321
3	Analyze the environmental sustainability factors of China: The role of fossil fuel energy and renewable energy. <i>Renewable Energy</i> , 2022, 187, 390-402.	8.9	308
4	Spatial spillovers and threshold effects of internet development and entrepreneurship on green innovation efficiency in China. <i>Technology in Society</i> , 2022, 68, 101844.	9.4	204
5	Natural resources and financial development: Role of business regulations in testing the resource-curse hypothesis in ASEAN countries. <i>Resources Policy</i> , 2022, 76, 102612.	9.6	170
6	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> , 2021, 74, 102302.	9.6	167
7	Nexus between air pollution and NCOV-2019 in China: Application of negative binomial regression analysis. <i>Chemical Engineering Research and Design</i> , 2021, 150, 557-565.	5.6	160
8	Assessment of the public acceptance and utilization of renewable energy in Pakistan. <i>Sustainable Production and Consumption</i> , 2021, 27, 312-324.	11.0	157
9	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> , 2021, 146, 111157.	16.4	154
10	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> , 2021, 125, 107460.	6.3	152
11	Prioritizing and overcoming biomass energy barriers: Application of AHP and G-TOPSIS approaches. <i>Technological Forecasting and Social Change</i> , 2022, 177, 121524.	11.6	143
12	The increases and decreases of the environment Kuznets curve (EKC) for 8 OECD countries. <i>Environmental Science and Pollution Research</i> , 2021, 28, 28535-28543.	5.3	138
13	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> , 2022, 29, 9990-10004.	5.3	135
14	Linking energy transitions, energy consumption, and environmental sustainability in OECD countries. <i>Gondwana Research</i> , 2022, 103, 445-457.	6.0	135
15	Heterogeneous effects of energy efficiency and renewable energy on economic growth of BRICS countries: A fixed effect panel quantile regression analysis. <i>Energy</i> , 2021, 215, 119019.	8.8	133
16	Assessing the energy dynamics of Pakistan: Prospects of biomass energy. <i>Energy Reports</i> , 2020, 6, 80-93.	5.1	127
17	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> , 2022, 29, 18202-18212.	5.3	123
18	Continuous Flow Ozonolysis in a Laboratory Scale Reactor. <i>Organic Letters</i> , 2011, 13, 984-987.	4.6	116

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19	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> , 2022, 184, 1130-1149.	8.9	113
20	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> , 2020, 191, 110189.	7.5	112
21	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> , 2021, 763, 144183.	8.0	112
22	Asymmetric investigation to track the effect of urbanization, energy utilization, fossil fuel energy and CO2 emission on economic efficiency in China: another outlook. <i>Environmental Science and Pollution Research</i> , 2021, 28, 17319-17330.	5.3	111
23	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> , 2021, 288, 125637.	9.3	111
24	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> , 2017, 7, 54.	3.0	110
25	Consumers'™ intention-based influence factors of renewable energy adoption in Pakistan: a structural equation modeling approach. <i>Environmental Science and Pollution Research</i> , 2021, 28, 432-445.	5.3	107
26	Energy consumption structural adjustment and carbon neutrality in the post-COVID-19 era. <i>Structural Change and Economic Dynamics</i> , 2021, 59, 442-453.	4.5	106
27	Sintered Silicon Carbide: A New Ceramic Vessel Material for Microwave Chemistry in Single-Mode Reactors. <i>Chemistry - A European Journal</i> , 2010, 16, 12182-12194.	3.3	103
28	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> , 2021, 14, 5008.	3.1	99
29	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> , 2020, 27, 21747-21761.	5.3	92
30	Convergence analysis of the ecological footprint: theory and empirical evidence from the USMCA countries. <i>Environmental Science and Pollution Research</i> , 2021, 28, 32648-32659.	5.3	91
31	How does telecommunications infrastructure affect eco-efficiency? Evidence from a quasi-natural experiment in China. <i>Technology in Society</i> , 2022, 69, 101963.	9.4	86
32	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> , 2022, 330, 129747.	9.3	84
33	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> , 2019, 26, 14148-14170.	5.3	83
34	The asymmetric influence of renewable energy and green innovation on carbon neutrality in China: Analysis from non-linear ARDL model. <i>Renewable Energy</i> , 2022, 193, 334-343.	8.9	81
35	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> , 2022, 35, 3836-3856.	4.7	77
36	Antimicrobial functionalization of cotton fabric with silver nanoclusters/silica composite coating via RF co-sputtering technique. <i>Cellulose</i> , 2017, 24, 2331-2345.	4.9	75

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37	Critical factors influencing wind power industry: A diamond model based study of India. <i>Energy Reports</i> , 2019, 5, 1222-1235.	5.1	75
38	Relating consumers' information and willingness to buy electric vehicles: Does personality matter?. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 100, 103049.	6.8	75
39	Isolation and screening of cellulolytic bacteria from soil and optimization of cellulase production and activity. <i>Turkish Journal of Biochemistry</i> , 2012, 37, 287-293.	0.5	74
40	Melting performance enhancement of PCM based thermal energy storage system using multiple tubes and modified shell designs. <i>Journal of Energy Storage</i> , 2021, 33, 102161.	8.1	73
41	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> , 2021, 18, 4577.	2.6	71
42	Evaluating Green Technology Strategies for the Sustainable Development of Solar Power Projects: Evidence from Pakistan. <i>Sustainability</i> , 2021, 13, 12997.	3.2	71
43	Forest and mineral volatility and economic performance: Evidence from frequency domain causality approach for global data. <i>Resources Policy</i> , 2022, 76, 102685.	9.6	71
44	Fast photocatalytic degradation of dyes using low-power laser-fabricated Cu ₂ O@Cu nanocomposites. <i>RSC Advances</i> , 2018, 8, 20277-20286.	3.6	70
45	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> , 2021, 68, 102789.	10.4	69
46	Nickle-cobalt composite catalyst-modified activated carbon anode for direct glucose alkaline fuel cell. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 1805-1815.	7.1	68
47	Modeling consumers' information acquisition and 5G technology utilization: Is personality relevant?. <i>Personality and Individual Differences</i> , 2022, 188, 111450.	2.9	67
48	Does carbon dioxide, methane, nitrous oxide, and GHG emissions influence the agriculture? Evidence from China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 28768-28779.	5.3	66
49	Hydrophobic Side Chains Impart Anion Exchange Membranes with High Monovalent/Divalent Anion Selectivity in Electrodialysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4429-4442.	6.7	65
50	The dynamics of public spending on sustainable green economy: role of technological innovation and industrial structure effects. <i>Environmental Science and Pollution Research</i> , 2022, 29, 22970-22988.	5.3	65
51	Enhanced photocatalytic NO _x oxidation and storage under visible-light irradiation by anchoring Fe ₃ O ₄ nanoparticles on mesoporous graphitic carbon nitride (mpg-C ₃ N ₄). <i>Applied Catalysis B: Environmental</i> , 2019, 249, 126-137.	20.2	64
52	Understanding the Antecedents and Consequences of Service-Sales Ambidexterity: A Motivation-Opportunity-Ability (MOA) Framework. <i>Sustainability</i> , 2021, 13, 9675.	3.2	64
53	State-of-the-art sustainable approaches for deeper decarbonization in Europe – An endowment to climate neutral vision. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 159, 112204.	16.4	64
54	A front tracking method for direct numerical simulation of evaporation process in a multiphase system. <i>Journal of Computational Physics</i> , 2017, 337, 132-153.	3.8	62

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55	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> , 2022, 29, 16472-16483.	5.3	62
56	Analysis on barriers to biogas dissemination in Rwanda: AHP approach. <i>Renewable Energy</i> , 2021, 163, 1127-1137.	8.9	61
57	Spatial distribution of microplastics in soil with context to human activities: a case study from the urban center. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 671.	2.7	60
58	MEASURING THE IMPACT OF ECONOMIC POLICIES ON CO ₂ EMISSIONS: WAYS TO ACHIEVE GREEN ECONOMIC RECOVERY IN THE POST-COVID-19 ERA. <i>Climate Change Economics</i> , 2022, 13, .	5.0	60
59	A Techno-Economic Analysis of Off-Grid Solar PV System: A Case Study for Punjab Province in Pakistan. <i>Processes</i> , 2019, 7, 708.	2.8	59
60	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> , 2021, 18, 6167.	2.6	59
61	Do Tourism Development, Energy Consumption and Transportation Demolish Sustainable Environments? Evidence from Chinese Provinces. <i>Sustainability</i> , 2021, 13, 12361.	3.2	59
62	Determinants of Social Commerce Usage and Online Impulse Purchase: Implications for Business and Digital Revolution. <i>Frontiers in Psychology</i> , 2022, 13, 837042.	2.1	59
63	Exploring the new potential antiviral constituents of <i>Moringa oliefera</i> for SARS-COV-2 pathogenesis: An in silico molecular docking and dynamic studies. <i>Chemical Physics Letters</i> , 2021, 767, 138379.	2.6	58
64	Melting performance enhancement of a phase change material using branched fins and nanoparticles for energy storage applications. <i>Journal of Energy Storage</i> , 2021, 38, 102513.	8.1	58
65	The impact of internet development on the health of Chinese residents: Transmission mechanisms and empirical tests. <i>Socio-Economic Planning Sciences</i> , 2022, 81, 101178.	5.0	58
66	A novel Sustainable Development Goal 7 composite index as the paradigm for energy sustainability assessment: A case study from Europe. <i>Applied Energy</i> , 2022, 307, 118173.	10.1	58
67	High performance anion exchange membrane with proton transport pathways for diffusion dialysis. <i>Separation and Purification Technology</i> , 2018, 193, 11-20.	7.9	57
68	Electro-nanofiltration membranes with positively charged polyamide layer for cations separation. <i>Journal of Membrane Science</i> , 2020, 594, 117453.	8.2	57
69	An unintended challenge of microplastic pollution in the urban surface water system of Lahore, Pakistan. <i>Environmental Science and Pollution Research</i> , 2020, 27, 16718-16730.	5.3	55
70	The asymmetric nexus between air pollution and COVID-19: Evidence from a non-linear panel autoregressive distributed lag model. <i>Environmental Research</i> , 2022, 209, 112848.	7.5	55
71	Preparation and performance evaluation of novel alkaline stable anion exchange membranes. <i>Journal of Power Sources</i> , 2017, 355, 171-180.	7.8	53
72	Cation exchange membrane integrated with cationic and anionic layers for selective ion separation via electrodialysis. <i>Desalination</i> , 2019, 458, 25-33.	8.2	53

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73	Rheological Behavior and Sensitivity of Wood-Derived Bio-Oil Modified Asphalt Binders. Applied Sciences (Switzerland), 2018, 8, 919.	2.5	52
74	Another outlook to sector-level energy consumption in Pakistan from dominant energy sources and correlation with economic growth. Environmental Science and Pollution Research, 2021, 28, 33735-33750.	5.3	52
75	Assessment of public intention to get vaccination against COVID-19: Evidence from a developing country. Journal of Evaluation in Clinical Practice, 2022, 28, 63-73.	1.8	51
76	Asymmetric impact of temperature on COVID-19 spread in India: Evidence from quantile-on-quantile regression approach. Journal of Thermal Biology, 2022, 104, 103101.	2.5	50
77	mRNA vaccines for COVID-19 and diverse diseases. Journal of Controlled Release, 2022, 345, 314-333.	9.9	50
78	Competitive assessment of South Asia's wind power industry: SWOT analysis and value chain combined model. Energy Strategy Reviews, 2020, 32, 100540.	7.3	49
79	Do inward foreign direct investment and economic development improve local environmental quality: aggregation bias puzzle. Environmental Science and Pollution Research, 2021, 28, 34676-34696.	5.3	49
80	Self-organized nanostructured anion exchange membranes for acid recovery. Chemical Engineering Journal, 2020, 382, 122838.	12.7	48
81	Development of novel PVA-QUDAP based anion exchange membranes for diffusion dialysis and theoretical analysis therein. Separation and Purification Technology, 2017, 178, 269-278.	7.9	47
82	Competitive assessment of Indian wind power industry: A five forces model. Journal of Renewable and Sustainable Energy, 2019, 11, .	2.0	47
83	Effect of alkaline pretreatment on delignification of wheat straw. Natural Product Research, 2015, 29, 125-131.	1.8	46
84	Novel electrodialysis membranes with hydrophobic alkyl spacers and zwitterion structure enable high monovalent/divalent cation selectivity. Chemical Engineering Journal, 2020, 383, 123171.	12.7	45
85	Assessment of India's energy dynamics: Prospects of solar energy. Journal of Renewable and Sustainable Energy, 2020, 12, .	2.0	45
86	Carboxymethyl cellulase production optimization from newly isolated thermophilic Bacillus subtilis K-18 for saccharification using response surface methodology. AMB Express, 2017, 7, 29.	3.0	44
87	Exploring the technical and behavioral dimensions of green supply chain management: a roadmap toward environmental sustainability. Environmental Science and Pollution Research, 2022, 29, 63444-63457.	5.3	43
88	Statistical Optimization of Saccharification of Alkali Pretreated Wheat Straw for Bioethanol Production. Waste and Biomass Valorization, 2016, 7, 1389-1396.	3.4	42
89	Augmenting acid recovery from different systems by novel Q-DAN anion exchange membranes via diffusion dialysis. Separation and Purification Technology, 2018, 201, 336-345.	7.9	42
90	Evaluating natural resources volatility in an emerging economy: The influence of solar energy development barriers. Resources Policy, 2022, 78, 102858.	9.6	42

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91	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> , 2022, 10, 835210.	2.7	41
92	RSM based optimization of nutritional conditions for cellulase mediated Saccharification by <i>Bacillus cereus</i> . <i>Journal of Biological Engineering</i> , 2018, 12, 7.	4.7	40
93	Energy Efficiency in the Post-COVID-19 Era: Exploring the Determinants of Energy-Saving Intentions and Behaviors. <i>Frontiers in Energy Research</i> , 2022, 9, .	2.3	40
94	Ethanol production from agricultural wastes using <i>Sacchomyces cerevisiae</i> . <i>Brazilian Journal of Microbiology</i> , 2014, 45, 457-465.	2.0	39
95	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> , 2019, 588, 117211.	8.2	39
96	Cardiac toxicity of heavy metals (cadmium and mercury) and pharmacological intervention by vitamin C in rabbits. <i>Environmental Science and Pollution Research</i> , 2020, 27, 29266-29279.	5.3	39
97	Recent advances in high performance conducting solid polymer electrolytes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2021, 486, 229378.	7.8	39
98	Epidemiology of Male Sexual Dysfunction in Asian and European Regions: A Systematic Review. <i>American Journal of Men's Health</i> , 2020, 14, 155798832093720.	1.6	38
99	Performance Test on Styrene-Butadiene-Styrene (SBS) Modified Asphalt Based on the Different Evaluation Methods. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 467.	2.5	37
100	Macaroon-like FeCo ₂ O ₄ modified activated carbon anode for enhancing power generation in direct glucose fuel cell. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 8178-8187.	7.1	37
101	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> , 2022, 29, 16597-16611.	5.3	37
102	G-AETCAM: Gate-Based Area-Efficient Ternary Content-Addressable Memory on FPGA. <i>IEEE Access</i> , 2017, 5, 20785-20790.	4.2	36
103	Post tuberculosis treatment infectious complications. <i>International Journal of Infectious Diseases</i> , 2020, 92, S41-S45.	3.3	36
104	Effects of soil deformation and saturation on elastic wave velocities in relation to prediction of rain-induced landslides. <i>Engineering Geology</i> , 2017, 230, 84-94.	6.3	35
105	Pectinase Production from <i>Schizophyllum commune</i> Through Central Composite Design Using Citrus Waste and Its Immobilization for Industrial Exploitation. <i>Waste and Biomass Valorization</i> , 2019, 10, 2527-2536.	3.4	35
106	Does temperature matter for COVID-19 transmissibility? Evidence across Pakistani provinces. <i>Environmental Science and Pollution Research</i> , 2021, 28, 59705-59719.	5.3	35
107	Antibacterial, highly hydrophobic and semi transparent Ag/plasma polymer nanocomposite coating on cotton fabric obtained by plasma based co-deposition. <i>Cellulose</i> , 2019, 26, 8877-8894.	4.9	34
108	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> , 2022, 49, 101689.	2.7	34

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109	Relating Sustainable Business Development Practices and Information Management in Promoting Digital Green Innovation: Evidence From China. <i>Frontiers in Psychology</i> , 0, 13, .	2.1	34
110	DFT study of the electronic and optical properties of ternary chalcogenides $\text{AlX}_{2}\text{Te}_{4}$. <i>Materials Research Express</i> , 2019, 6, 116314.	1.6	33
111	Stimulating student's pro-environmental behavior in higher education institutions: an ability-motivation-opportunity perspective. <i>Environment, Development and Sustainability</i> , 2022, 24, 4128-4149.	5.0	33
112	Characterization of antibacterial silver nanocluster/silica composite coating on high performance Kevlar® textile. <i>Surface and Coatings Technology</i> , 2017, 321, 438-447.	4.8	32
113	Potato peels: A potential food waste for amylase production. <i>Journal of Food Process Engineering</i> , 2017, 40, e12512.	2.9	31
114	Ammonia capture from wastewater with a high ammonia nitrogen concentration by water splitting and hollow fiber extraction. <i>Chemical Engineering Science</i> , 2020, 227, 115934.	3.8	31
115	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> , 2022, 29, 46587-46599.	5.3	31
116	Hierarchically structured porous anion exchange membranes containing zwitterionic pores for ion separation. <i>Journal of Membrane Science</i> , 2017, 537, 32-41.	8.2	30
117	Factors influencing individuals' intention to adopt mobile banking in China and Pakistan: The moderating role of cultural values. <i>Journal of Public Affairs</i> , 2019, 19, e1884.	3.1	30
118	Regulation of MYB Transcription Factors of Anthocyanin Synthesis in Lily Flowers. <i>Frontiers in Plant Science</i> , 2021, 12, 761668.	3.6	30
119	Smart IoT and Machine Learning-based Framework for Water Quality Assessment and Device Component Monitoring. <i>Environmental Science and Pollution Research</i> , 2022, 29, 46018-46036.	5.3	30
120	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> , 2021, 28, 55344-55361.	5.3	29
121	Performance enhancement of latent energy storage system using effective designs of tubes and shell. <i>Energy Reports</i> , 2022, 8, 3856-3872.	5.1	29
122	Optical influence of annealing in nano- and submicron-scale ZrO_2 powders. <i>Ceramics International</i> , 2014, 40, 8513-8518.	4.8	28
123	The global research trend on cadmium in freshwater: a bibliometric review. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71585-71598.	5.3	28
124	Empirical Correlation of Permanent Deformation Tests for Evaluating the Rutting Response of Conventional Asphaltic Concrete Mixtures. <i>Journal of Materials in Civil Engineering</i> , 2017, 29, .	2.9	27
125	The Nexus between Team Culture, Innovative Work Behaviour and Tacit Knowledge Sharing: Theory and Evidence. <i>Sustainability</i> , 2021, 13, 4333.	3.2	27
126	Dominant roles of eccentricity, fin design, and nanoparticles in performance enhancement of latent thermal energy storage unit. <i>Journal of Energy Storage</i> , 2021, 43, 103181.	8.1	27

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127	Chlorophyll Fluorescence Imaging-Based Duckweed Phenotyping to Assess Acute Phytotoxic Effects. <i>Plants</i> , 2021, 10, 2763.	3.5	27
128	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> , 2017, 7, 96.	3.0	26
129	Self-processing photopolymer materials for versatile design and fabrication of holographic sensors and interactive holograms. <i>Applied Optics</i> , 2018, 57, E173.	1.8	26
130	Influence of Coarse-Aggregate Angularity on Asphalt Mixture Macroporosity: Skid Resistance, High-Temperature, and Compaction Performance. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	2.9	26
131	Hispidulin: A novel natural compound with therapeutic potential against human cancers. <i>Phytotherapy Research</i> , 2021, 35, 771-789.	5.8	26
132	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> , 2021, 14, 237.	2.3	26
133	Pseudorandom Number Generator (PRNG) Design Using Hyper-Chaotic Modified Robust Logistic Map (HC-MRLM). <i>Electronics (Switzerland)</i> , 2020, 9, 104.	3.1	25
134	3D porous nanostructured Ni ₃ N@Co ₃ N as a robust electrode material for glucose fuel cell. <i>RSC Advances</i> , 2020, 10, 6444-6451.	3.6	25
135	PVP-bridged δ -LiAlO ₂ nanolayer on Li _{1.2} Ni _{0.182} Co _{0.08} Mn _{0.538} O ₂ cathode materials for improving the rate capability and cycling stability. <i>Chemical Engineering Science</i> , 2021, 229, 116126.	3.8	25
136	How public expenditure in recreational and cultural industry and socioeconomic status caused environmental sustainability in OECD countries?. <i>Economic Research-Ekonomika Istrazivanja</i> , 0, , 1-18.	4.7	25
137	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> , 2018, 10, 769.	3.2	24
138	Enhancement of photocatalytic NO _x abatement on titania via additional metal oxide NO _x -storage domains: Interplay between surface acidity, specific surface area, and humidity. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118227.	20.2	24
139	The Psychological Impact of Coronavirus on University Students and its Socio-Economic Determinants in Malaysia. <i>Inquiry (United States)</i> , 2021, 58, 004695802110562.	0.9	24
140	Revisiting economic and non-economic indicators of natural resources: Analysis of developed economies. <i>Resources Policy</i> , 2022, 77, 102748.	9.6	24
141	Experimental Study on Endurance Performance of Lime and Cement-Treated Cohesive Soil. <i>KSCCE Journal of Civil Engineering</i> , 2021, 25, 3306-3318.	1.9	23
142	Interventions for the Current COVID-19 Pandemic: Frontline Workers' Intention to Use Personal Protective Equipment. <i>Frontiers in Public Health</i> , 2021, 9, 793642.	2.7	22
143	Kinetics Study of Extracellular Detergent Stable Alkaline Protease from <i>Rhizopus oryzae</i> . <i>Brazilian Archives of Biology and Technology</i> , 2015, 58, 175-184.	0.5	21
144	Feasibility of Using Elastic Wave Velocity Monitoring for Early Warning of Rainfall-Induced Slope Failure. <i>Sensors</i> , 2018, 18, 997.	3.8	21

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145	Wind Energy Development in South Asia: Status, Potential and Policies. , 2019, , .		21
146	Does electricity production from different sources in Pakistan have dominant contribution to economic growth? Empirical evidence from long-run and short-run analysis. Electricity Journal, 2020, 33, 106717.	2.5	21
147	Recent Trends, Challenges, and Future Aspects of P2P Energy Trading Platforms in Electrical-Based Networks Considering Blockchain Technology: A Roadmap Toward Environmental Sustainability. Frontiers in Energy Research, 2022, 10, .	2.3	21
148	Does financial stress wreak havoc on banking, insurance, oil, and gold markets? New empirics from the extended joint connectedness of TVP-VAR model. Resources Policy, 2022, 77, 102718.	9.6	21
149	Entanglement enhancement in cavity magnomechanics by an optical parametric amplifier. Physical Review A, 2022, 105, .	2.5	21
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