

Muhammad Irfan

List of Publications by Year in descending order

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375
papers

11,484
citations

31976

53
h-index

60623

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. Environmental Science and Pollution Research, 2021, 28, 64606-64629.	5.3	326
2	Heterogeneous Catalytic Hydrogenation Reactions in Continuous-Flow Reactors. ChemSusChem, 2011, 4, 300-316.	6.8	321
3	Analyze the environmental sustainability factors of China: The role of fossil fuel energy and renewable energy. Renewable Energy, 2022, 187, 390-402.	8.9	308
4	Spatial spillovers and threshold effects of internet development and entrepreneurship on green innovation efficiency in China. Technology in Society, 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. Resources Policy, 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. Resources Policy, 2021, 74, 102302.	9.6	167
7	Nexus between air pollution and NCOV-2019 in China: Application of negative binomial regression analysis. Chemical Engineering Research and Design, 2021, 150, 557-565.	5.6	160
8	Assessment of the public acceptance and utilization of renewable energy in Pakistan. Sustainable Production and Consumption, 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. Renewable and Sustainable Energy Reviews, 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. Ecological Indicators, 2021, 125, 107460.	6.3	152
11	Prioritizing and overcoming biomass energy barriers: Application of AHP and G-TOPSIS approaches. Technological Forecasting and Social Change, 2022, 177, 121524.	11.6	143
12	The increases and decreases of the environment Kuznets curve (EKC) for 8 OECD countries. Environmental Science and Pollution Research, 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. Environmental Science and Pollution Research, 2022, 29, 9990-10004.	5.3	135
14	Linking energy transitions, energy consumption, and environmental sustainability in OECD countries. Gondwana Research, 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. Energy, 2021, 215, 119019.	8.8	133
16	Assessing the energy dynamics of Pakistan: Prospects of biomass energy. Energy Reports, 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. Environmental Science and Pollution Research, 2022, 29, 18202-18212.	5.3	123
18	Continuous Flow Ozonolysis in a Laboratory Scale Reactor. Organic Letters, 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. Energy Reports, 2019, 5, 1222-1235.	5.1	75
38	Relating consumers' information and willingness to buy electric vehicles: Does personality matter?. Transportation Research, Part D: Transport and Environment, 2021, 100, 103049.	6.8	75
39	Isolation and screening of cellulolytic bacteria from soil and optimization of cellulase production and activity. Turkish Journal of Biochemistry, 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. Journal of Energy Storage, 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. International Journal of Environmental Research and Public Health, 2021, 18, 4577.	2.6	71
42	Evaluating Green Technology Strategies for the Sustainable Development of Solar Power Projects: Evidence from Pakistan. Sustainability, 2021, 13, 12997.	3.2	71
43	Forest and mineral volatility and economic performance: Evidence from frequency domain causality approach for global data. Resources Policy, 2022, 76, 102685.	9.6	71
44	Fast photocatalytic degradation of dyes using low-power laser-fabricated Cu ₂ O@Cu nanocomposites. RSC Advances, 2018, 8, 20277-20286.	3.6	70
45	A hover view over effectual approaches on pandemic management for sustainable cities â€” The endowment of prospective technologies with revitalization strategies. Sustainable Cities and Society, 2021, 68, 102789.	10.4	69
46	Nickle-cobalt composite catalyst-modified activated carbon anode for direct glucose alkaline fuel cell. International Journal of Hydrogen Energy, 2018, 43, 1805-1815.	7.1	68
47	Modeling consumers' information acquisition and 5G technology utilization: Is personality relevant?. Personality and Individual Differences, 2022, 188, 111450.	2.9	67
48	Does carbon dioxide, methane, nitrous oxide, and GHG emissions influence the agriculture? Evidence from China. Environmental Science and Pollution Research, 2020, 27, 28768-28779.	5.3	66
49	Hydrophobic Side Chains Impart Anion Exchange Membranes with High Monovalentâ€”Divalent Anion Selectivity in Electrodialysis. ACS Sustainable Chemistry and Engineering, 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. Environmental Science and Pollution Research, 2022, 29, 22970-22988.	5.3	65
51	Enhanced photocatalytic NOx oxidation and storage under visible-light irradiation by anchoring Fe ₃ O ₄ nanoparticles on mesoporous graphitic carbon nitride (mpg-C ₃ N ₄). Applied Catalysis B: Environmental, 2019, 249, 126-137.	20.2	64
52	Understanding the Antecedents and Consequences of Service-Sales Ambidexterity: A Motivation-Opportunity-Ability (MOA) Framework. Sustainability, 2021, 13, 9675.	3.2	64
53	State-of-the-art sustainable approaches for deeper decarbonization in Europe â€” An endowment to climate neutral vision. Renewable and Sustainable Energy Reviews, 2022, 159, 112204.	16.4	64
54	A front tracking method for direct numerical simulation of evaporation process in a multiphase system. Journal of Computational Physics, 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 Armev curve hypothesis with government spending for the US States. Environmental Science and Pollution Research, 2022, 29, 16472-16483.	5.3	62
56	Analysis on barriers to biogas dissemination in Rwanda: AHP approach. Renewable Energy, 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. Environmental Monitoring and Assessment, 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. Climate Change Economics, 2022, 13, .	5.0	60
59	A Techno-Economic Analysis of Off-Grid Solar PV System: A Case Study for Punjab Province in Pakistan. Processes, 2019, 7, 708.	2.8	59
60	Intention-Based Critical Factors Affecting Willingness to Adopt Novel Coronavirus Prevention in Pakistan: Implications for Future Pandemics. International Journal of Environmental Research and Public Health, 2021, 18, 6167.	2.6	59
61	Do Tourism Development, Energy Consumption and Transportation Demolish Sustainable Environments? Evidence from Chinese Provinces. Sustainability, 2021, 13, 12361.	3.2	59
62	Determinants of Social Commerce Usage and Online Impulse Purchase: Implications for Business and Digital Revolution. Frontiers in Psychology, 2022, 13, 837042.	2.1	59
63	Exploring the new potential antiviral constituents of Moringa oliefera for SARS-COV-2 pathogenesis: An in silico molecular docking and dynamic studies. Chemical Physics Letters, 2021, 767, 138379.	2.6	58
64	Melting performance enhancement of a phase change material using branched fins and nanoparticles for energy storage applications. Journal of Energy Storage, 2021, 38, 102513.	8.1	58
65	The impact of internet development on the health of Chinese residents: Transmission mechanisms and empirical tests. Socio-Economic Planning Sciences, 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. Applied Energy, 2022, 307, 118173.	10.1	58
67	High performance anion exchange membrane with proton transport pathways for diffusion dialysis. Separation and Purification Technology, 2018, 193, 11-20.	7.9	57
68	Electro-nanofiltration membranes with positively charged polyamide layer for cations separation. Journal of Membrane Science, 2020, 594, 117453.	8.2	57
69	An unintended challenge of microplastic pollution in the urban surface water system of Lahore, Pakistan. Environmental Science and Pollution Research, 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. Environmental Research, 2022, 209, 112848.	7.5	55
71	Preparation and performance evaluation of novel alkaline stable anion exchange membranes. Journal of Power Sources, 2017, 355, 171-180.	7.8	53
72	Cation exchange membrane integrated with cationic and anionic layers for selective ion separation via electrodialysis. Desalination, 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 <scp>COVID</scp>â€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-QUADAP 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 electrodialysis 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. Plants, 2021, 10, 2763.	3.5	27
128	Application of response surface methodology for optimization of medium components for the production of secondary metabolites by Streptomyces diastatochromogenes KX852460. AMB Express, 2017, 7, 96.	3.0	26
129	Self-processing photopolymer materials for versatile design and fabrication of holographic sensors and interactive holograms. Applied Optics, 2018, 57, E173.	1.8	26
130	Influence of Coarse-Aggregate Angularity on Asphalt Mixture Macroporosity: Skid Resistance, High-Temperature, and Compaction Performance. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	26
131	Hispidulin: A novel natural compound with therapeutic potential against human cancers. Phytotherapy Research, 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. Journal of Risk and Financial Management, 2021, 14, 237.	2.3	26
133	Pseudorandom Number Generator (PRNG) Design Using Hyper-Chaotic Modified Robust Logistic Map (HC-MRLM). Electronics (Switzerland), 2020, 9, 104.	3.1	25
134	3D porous nanostructured Ni ₃ Co ₃ N as a robust electrode material for glucose fuel cell. RSC Advances, 2020, 10, 6444-6451.	3.6	25
135	PVP-bridged β -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. Chemical Engineering Science, 2021, 229, 116126.	3.8	25
136	How public expenditure in recreational and cultural industry and socioeconomic status caused environmental sustainability in OECD countries?. Economic Research-Ekonomika Istrazivanja, 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. Sustainability, 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. Applied Catalysis B: Environmental, 2020, 263, 118227.	20.2	24
139	The Psychological Impact of Coronavirus on University Students and its Socio-Economic Determinants in Malaysia. Inquiry (United States), 2021, 58, 004695802110562.	0.9	24
140	Revisiting economic and non-economic indicators of natural resources: Analysis of developed economies. Resources Policy, 2022, 77, 102748.	9.6	24
141	Experimental Study on Endurance Performance of Lime and Cement-Treated Cohesive Soil. KSCE Journal of Civil Engineering, 2021, 25, 3306-3318.	1.9	23
142	Interventions for the Current COVID-19 Pandemic: Frontline Workers' Intention to Use Personal Protective Equipment. Frontiers in Public Health, 2021, 9, 793642.	2.7	22
143	Kinetics Study of Extracellular Detergent Stable Alkaline Protease from Rhizopus oryzae. Brazilian Archives of Biology and Technology, 2015, 58, 175-184.	0.5	21
144	Feasibility of Using Elastic Wave Velocity Monitoring for Early Warning of Rainfall-Induced Slope Failure. Sensors, 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
150	The Effect of Project Management Capabilities on Project Success in Pakistan: An Empirical Investigation. IEEE Access, 2019, 7, 39417-39431.	4.2	20
151	Chlorella-derived porous heteroatom-doped carbons as robust catalysts for oxygen reduction reaction in direct glucose alkaline fuel cell. International Journal of Hydrogen Energy, 2019, 44, 2823-2831.	7.1	20
152	Role of Project Planning and Project Manager Competencies on Public Sector Project Success. Sustainability, 2021, 13, 1421.	3.2	20
153	How do renewable energy consumption, financial development, and technical efficiency change cause ecological sustainability in European Union countries?. Energy and Environment, 2023, 34, 2478-2496.	4.6	20
154	Antibacterial nanostructured composite coating on high performance Vectranâ„¢ fabric for aerospace structures. Surface and Coatings Technology, 2019, 373, 47-55.	4.8	19
155	Rutting and Fatigue Properties of Cellulose Fiber-Added Stone Mastic Asphalt Concrete Mixtures. Advances in Materials Science and Engineering, 2019, 2019, 1-8.	1.8	19
156	Do economic openness and electricity consumption matter for environmental deterioration: silver bullet or a stake?. Environmental Science and Pollution Research, 2021, 28, 54069-54084.	5.3	19
157	Household head's educational level and household education expenditure in China: The mediating effect of social class identification. International Journal of Educational Development, 2021, 83, 102400.	2.7	19
158	Designing of a Novel Multi-Antigenic Epitope-Based Vaccine against E. hormaechei: An Intergraded Reverse Vaccinology and Immunoinformatics Approach. Vaccines, 2022, 10, 665.	4.4	19
159	Tailoring supercurrent confinement in graphene bilayer weak links. Nature Communications, 2018, 9, 1722.	12.8	18
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