

# Ali Raza

## List of Publications by Year in descending order

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185  
papers

7,170  
citations

94381

37  
h-index

79644

73  
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192  
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192  
docs citations

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times ranked

5130  
citing authors

#	ARTICLE	IF	CITATIONS
1	Life Cycle Impact Assessment (Cradle-to-Gate) of Fiber-Reinforced Concrete Application for Pavement Use: A Case Study of Islamabad City. <i>International Journal of Pavement Research and Technology</i> , 2023, 16, 247-263.	1.3	2
2	Role of Jasmonic and Salicylic Acid on Enzymatic Changes in the Root of Two <i>Alyssum inflatum</i> NÄjyr. Populations Exposed to Nickel Toxicity. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 1647-1664.	2.8	5
3	Plant lipid phosphate phosphatases: current advances and future outlooks. <i>Critical Reviews in Biotechnology</i> , 2023, 43, 384-392.	5.1	9
4	Investigation on Self-Sensing Capability of Different Grades of Carbon Black in Cementitious Composites. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2023, 47, 761-774.	1.0	2
5	Metabolomics: a systems biology approach for enhancing heat stress tolerance in plants. <i>Plant Cell Reports</i> , 2022, 41, 741-763.	2.8	76
6	Effect of Aging on Adhesion and Moisture Damage of Asphalt: A Perspective of Rolling Bottle and Bitumen Bond Strength Test. <i>International Journal of Pavement Research and Technology</i> , 2022, 15, 233-242.	1.3	8
7	Rapid repair of partially damaged GFRP-reinforced recycled aggregate concrete columns using FRP composites. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 6070-6086.	1.5	12
8	Data-driven analysis of concrete-filled steel-tube CFRP-confined NSC columns. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 5667-5688.	1.5	15
9	Data-oriented analysis of axial capacity of externally CFRP-confined concrete columns transversely reinforced with steel hoops or spirals. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 6543-6556.	1.5	4
10	Experiments and numerical simulations of glass fiber reinforced polymers in structural fibers RC members. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 6891-6906.	1.5	5
11	Mechanical behavior of electronic waste concrete columns reinforced with structural fibers and glass fiber reinforced polymer bars: Experimental and analytical investigation. <i>Advances in Structural Engineering</i> , 2022, 25, 374-391.	1.2	3
12	Structural evaluation of recycled aggregate concrete circular columns having FRP rebars and synthetic fibers. <i>Engineering Structures</i> , 2022, 250, 113392.	2.6	18
13	Genome-wide analysis of potassium transport genes in <i>Gossypium raimondii</i> suggest a role of GrHAK/KUP/KT8, GrAKT2.1 and GrAKT1.1 in response to abiotic stress. <i>Plant Physiology and Biochemistry</i> , 2022, 170, 110-122.	2.8	16
14	Experimental investigation of eco-friendly high strength fiber-reinforced concrete developed with combined incorporation of tyre-steel fiber and fly ash. <i>Construction and Building Materials</i> , 2022, 314, 125626.	3.2	28
15	Designing ECG monitoring healthcare system with federated transfer learning and explainable AI. <i>Knowledge-Based Systems</i> , 2022, 236, 107763.	4.0	71
16	Experimental study of the mechanical properties and microstructure of geopolymers containing nano-silica from agricultural waste and crystalline admixtures. <i>Case Studies in Construction Materials</i> , 2022, 16, e00792.	0.8	23
17	Mechanical performance, water and chloride permeability of hybrid steel-polypropylene fiber-reinforced recycled aggregate concrete. <i>Case Studies in Construction Materials</i> , 2022, 16, e00831.	0.8	13
18	Potassium and melatonin-mediated regulation of fructose-1,6-bisphosphatase (FBPase) and sedoheptulose-1,7-bisphosphatase (SBPase) activity improve photosynthetic efficiency, carbon assimilation and modulate glyoxalase system accompanying tolerance to cadmium stress in tomato seedlings. <i>Plant Physiology and Biochemistry</i> , 2022, 171, 49-65.	2.8	27

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19	Seismic behavior of Double-Skin tubular E-waste concrete columns transversely confined with steel and GFRP tubes. <i>Composite Structures</i> , 2022, 282, 115076.	3.1	1
20	Glass FRP-Reinforced Geopolymer Based Columns Comprising Hybrid Fibres: Testing and FEA Modelling. <i>Polymers</i> , 2022, 14, 324.	2.0	7
21	An Enhanced Privacy Preserving, Secure and Efficient Authentication Protocol for VANET. <i>Computers, Materials and Continua</i> , 2022, 71, 3703-3719.	1.5	1
22	Phytoremediation of nickel by quinoa: Morphological and physiological response. <i>PLoS ONE</i> , 2022, 17, e0262309.	1.1	14
23	Screening of Wheat ( <i>Triticum aestivum</i> L.) Genotypes for Drought Tolerance through Agronomic and Physiological Response. <i>Agronomy</i> , 2022, 12, 287.	1.3	54
24	Mechanical Performance of Geopolymer Composites Containing Nano-Silica and Micro-Carbon Fibers. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 12621-12632.	1.7	7
25	Prospects of beneficial microbes as a natural resource for sustainable legumes production under changing climate. , 2022, , 29-56.		1
26	Biological Nitrogen Fixation: An Analysis of Intoxicating Tribulations from Pesticides for Sustainable Legume Production. , 2022, , 351-374.		1
27	New Antifriction Composites for Printing Machines Based on Tool Steel Grinding Waste. <i>Sustainability</i> , 2022, 14, 2799.	1.6	2
28	Analyzing the regulatory role of heat shock transcription factors in plant heat stress tolerance: a brief appraisal. <i>Molecular Biology Reports</i> , 2022, 49, 5771-5785.	1.0	47
29	Nanobionics in Crop Production: An Emerging Approach to Modulate Plant Functionalities. <i>Plants</i> , 2022, 11, 692.	1.6	20
30	Iron Oxide and Silicon Nanoparticles Modulate Mineral Nutrient Homeostasis and Metabolism in Cadmium-Stressed <i>Phaseolus vulgaris</i> . <i>Frontiers in Plant Science</i> , 2022, 13, 806781.	1.7	28
31	Induction of hydrolytic enzyme activities in dormant seeds of <i>Dracocephalum kotschy</i> Boiss. causes improvement of germination and seedling vigor indices. <i>Acta Physiologiae Plantarum</i> , 2022, 44, 1.	1.0	3
32	Mechanistic Insights Into Trehalose-Mediated Cold Stress Tolerance in Rapeseed ( <i>Brassica napus</i> L.) Seedlings. <i>Frontiers in Plant Science</i> , 2022, 13, 857980.	1.7	24
33	Inositol Improves Cold Tolerance Through Inhibiting CBL1 and Increasing Ca <sup>2+</sup> Influx in Rapeseed ( <i>Brassica napus</i> L.). <i>Frontiers in Plant Science</i> , 2022, 13, 775692.	1.7	5
34	“Breathing Out” under Heat Stress” Respiratory Control of Crop Yield under High Temperature. <i>Agronomy</i> , 2022, 12, 806.	1.3	11
35	Analysis of Lhcb gene family in rapeseed ( <i>Brassica napus</i> L.) identifies a novel member “BnLhcb3.4” modulating cold tolerance. <i>Environmental and Experimental Botany</i> , 2022, 198, 104848.	2.0	6
36	Data-driven analysis on axial strength of GFRP-NSC columns based on practical artificial neural network tool. <i>Composite Structures</i> , 2022, 291, 115598.	3.1	6

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37	Photoperiodic Modulation in Immune and Reproductive Systems in Japanese Quails ( <i>Coturnix japonica</i> ): A Morphometric Perspective. <i>Veterinary Sciences</i> , 2022, 9, 248.	0.6	1
38	Enhancement of mechanical and toughness properties of carbon fiber-reinforced geopolymer pastes comprising nano calcium oxide. <i>Journal of the Australian Ceramic Society</i> , 2022, 58, 1375-1387.	1.1	11
39	A scientometric review on mechanical and durability performance of geopolymer Paste: Effect of various raw materials. <i>Construction and Building Materials</i> , 2022, 345, 128297.	3.2	16
40	Jasmonic acid: a key frontier in conferring abiotic stress tolerance in plants. <i>Plant Cell Reports</i> , 2021, 40, 1513-1541.	2.8	120
41	Effect of different fibers (steel fibers, glass fibers, and carbon fibers) on mechanical properties of reactive powder concrete. <i>Structural Concrete</i> , 2021, 22, 334-346.	1.5	52
42	Investigation of HFRC columns reinforced with GFRP bars and spirals under concentric and eccentric loadings. <i>Engineering Structures</i> , 2021, 227, 111461.	2.6	36
43	Gene regulation in halophytes in conferring salt tolerance. , 2021, , 341-370.		24
44	Eco-physiological and Biochemical Responses of Rapeseed ( <i>Brassica napus</i> L.) to Abiotic Stresses: Consequences and Mitigation Strategies. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1368-1388.	2.8	81
45	Structural Performance of Steel-Tube Concrete Columns Confined with CFRPs: Numerical and Theoretical Study. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2021, 45, 1575-1592.	1.0	4
46	Axial performance of hybrid fiber reinforced concrete columns having GFRP longitudinal bars and spirals. <i>Journal of Building Engineering</i> , 2021, 35, 102017.	1.6	8
47	Mechanical and durability behavior of recycled aggregate concrete made with different kinds of wastewater. <i>Journal of Building Engineering</i> , 2021, 34, 101950.	1.6	10
48	Axial performance of GFRP composite bars and spirals in circular hollow concrete columns. <i>Structures</i> , 2021, 29, 600-613.	1.7	10
49	Genetic engineering of plants to tolerate toxic metals and metalloids. , 2021, , 411-436.		16
50	Axial compressive behavior of damaged steel and GFRP bars reinforced concrete columns retrofitted with CFRP laminates. <i>Composite Structures</i> , 2021, 258, 113206.	3.1	31
51	Structural Behavior of GFRP-Reinforced Circular HFRC Columns Under Concentric and Eccentric Loading. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 4239-4252.	1.7	15
52	Efficiency of GFRP bars and hoops in recycled aggregate concrete columns: Experimental and numerical study. <i>Composite Structures</i> , 2021, 255, 112986.	3.1	31
53	Hypoxia and Anoxia Stress: Plant responses and tolerance mechanisms. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 249-284.	1.7	36
54	Omics: The way forward to enhance abiotic stress tolerance in <i>Brassica napus</i> L. <i>GM Crops and Food</i> , 2021, 12, 251-281.	2.0	51

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55	The Crucial Role of Jasmonates in Enhancing Heavy Metals Tolerance in Plants. Signaling and Communication in Plants, 2021, , 159-183.	0.5	6
56	Heterologous expression of Arabidopsis thaliana rty gene in strawberry (Fragaria Å— ananassa Duch.) improves drought tolerance. BMC Plant Biology, 2021, 21, 57.	1.6	13
57	Physiological and Molecular Responses to High, Chilling, and Freezing Temperature in Plant Growth and Production: Consequences and Mitigation Possibilities. , 2021, , 235-290.		9
58	Experimental and finite element analysis of hybrid fiber reinforced concrete two-way slabs at ultimate limit state. SN Applied Sciences, 2021, 3, 1.	1.5	0
59	Antioxidant Defense Systems and Remediation of Metal Toxicity in Plants. , 2021, , 91-124.		18
60	Study on the mechanism of exogenous serotonin improving cold tolerance of rapeseed (Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.8	37
61	A manipulative interplay between positive and negative regulators of phytohormones: A way forward for improving drought tolerance in plants. Physiologia Plantarum, 2021, 172, 1269-1290.	2.6	61
62	Gold-induced photothermal background in on-chip surface enhanced stimulated Raman spectroscopy. Optics Letters, 2021, 46, 953.	1.7	1
63	Foliar Application of CeO2 Nanoparticles Alters Generative Components Fitness and Seed Productivity in Bean Crop (Phaseolus vulgaris L.). Nanomaterials, 2021, 11, 862.	1.9	22
64	Effect of sulfate activation of fly ash on mechanical and durability properties of recycled aggregate concrete. Construction and Building Materials, 2021, 277, 122329.	3.2	21
65	Strength Profile Pattern of FRP-Reinforced Concrete Structures: A Performance Analysis through Finite Element Analysis and Empirical Modeling Technique. Polymers, 2021, 13, 1265.	2.0	7
66	Catalase (CAT) Gene Family in Rapeseed (Brassica napus L.): Genome-Wide Analysis, Identification, and Expression Pattern in Response to Multiple Hormones and Abiotic Stress Conditions. International Journal of Molecular Sciences, 2021, 22, 4281.	1.8	74
67	Evaluation of Fourteen Bread Wheat (Triticum aestivum L.) Genotypes by Observing Gas Exchange Parameters, Relative Water and Chlorophyll Content, and Yield Attributes under Drought Stress. Sustainability, 2021, 13, 4799.	1.6	53
68	Can omics deliver temperature resilient ready-to-grow crops?. Critical Reviews in Biotechnology, 2021, 41, 1209-1232.	5.1	114
69	Serum proteomes of Santa Gertrudis cattle before and after infestation with <i>Rhipicephalus australis</i> ticks. Parasite Immunology, 2021, 43, e12836.	0.7	3
70	On the Structural Performance of Recycled Aggregate Concrete Columns with Glass Fiber-Reinforced Composite Bars and Hoops. Polymers, 2021, 13, 1508.	2.0	14
71	Structural behavior of GFRP reinforced recycled aggregate concrete columns with polyvinyl alcohol and polypropylene fibers. Advances in Structural Engineering, 2021, 24, 3043-3056.	1.2	6
72	Utilization of Polymer Concrete Composites for a Circular Economy: A Comparative Review for Assessment of Recycling and Waste Utilization. Polymers, 2021, 13, 2135.	2.0	18

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73	Performance evaluation of hybrid fiber reinforced low strength concrete cylinders confined with CFRP wraps. Structures, 2021, 31, 182-189.	1.7	8
74	Effect of Salinity Stress on Physiological Changes in Winter and Spring Wheat. Agronomy, 2021, 11, 1193.	1.3	102
75	Integrated analysis of transcriptomics and proteomics provides insights into the molecular regulation of cold response in Brassica napus. Environmental and Experimental Botany, 2021, 187, 104480.	2.0	34
76	Genome-Wide Analysis and Expression Profile of Superoxide Dismutase (SOD) Gene Family in Rapeseed (Brassica napus L.) under Different Hormones and Abiotic Stress Conditions. Antioxidants, 2021, 10, 1182.	2.2	47
77	Genome-wide analysis and expression patterns of lipid phospholipid phospholipase gene family in Brassica napus L.. BMC Genomics, 2021, 22, 548.	1.2	13
78	Concentrically loaded recycled aggregate geopolymer concrete columns reinforced with GFRP bars and spirals. Composite Structures, 2021, 268, 113968.	3.1	44
79	Weeds Spectrum, Productivity and Land-Use Efficiency in Maize-Gram Intercropping Systems under Semi-Arid Environment. Agronomy, 2021, 11, 1615.	1.3	12
80	Leaf Proteome Response to Drought Stress and Antioxidant Potential in Tomato (Solanum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 To	1.0	18
81	HD-ZIP Gene Family: Potential Roles in Improving Plant Growth and Regulating Stress-Responsive Mechanisms in Plants. Genes, 2021, 12, 1256.	1.0	65
82	Effect of nano SiO <sub>2</sub> on mechanical properties of micro-steel fibers reinforced geopolymer composites. Ceramics International, 2021, 47, 33444-33453.	2.3	51
83	Effect of Water Stress on Grain Yield and Physiological Characters of Quinoa Genotypes. Agronomy, 2021, 11, 1934.	1.3	26
84	Foliar Application of Trehalose or 5-Aminolevulinic Acid Improves Photosynthesis and Biomass Production in Drought Stressed Alpinia zerumbet. Agriculture (Switzerland), 2021, 11, 908.	1.4	5
85	Development and Validation of Novel PCR Assays for the Diagnosis of Bovine Stephanofilaria and Detection of Stephanofilaria sp. Nematodes in Vector Flies. Pathogens, 2021, 10, 1211.	1.2	4
86	Evaluation of Drought Tolerance of Some Wheat (Triticum aestivum L.) Genotypes through Phenology, Growth, and Physiological Indices. Agronomy, 2021, 11, 1792.	1.3	53
87	Genome-Wide Characterization of Glutathione Peroxidase (GPX) Gene Family in Rapeseed (Brassica) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 462 To 2021, 10, 1481.	2.2	25
88	Soluble Starch Synthase Enzymes in Cereals: An Updated Review. Agronomy, 2021, 11, 1983.	1.3	17
89	Synergy of production of value-added bioplastic, astaxanthin and phycobilin co-products and Direct Green 6 textile dye remediation in Spirulina platensis. Chemosphere, 2021, 280, 130920.	4.2	12
90	Structural assessment of eccentrically loaded GFRP reinforced circular concrete columns: Experiments and finite element analysis. Composite Structures, 2021, 275, 114528.	3.1	15

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91	Experimental investigation on the mechanical and fracture evaluation of carbon Fiber-Reinforced cementitious composites with Nano-Calcium carbonate. <i>Construction and Building Materials</i> , 2021, 308, 125095.	3.2	18
92	Tests of polypropylene macro synthetic fibers and GFRP reinforced concrete columns subjected to concentric and eccentric loading. <i>Journal of Building Engineering</i> , 2021, 43, 103100.	1.6	1
93	Brassinosteroids: Molecular and physiological responses in plant growth and abiotic stresses. <i>Plant Stress</i> , 2021, 2, 100029.	2.7	43
94	Strigolactones: A Novel Carotenoid-Derived Phytohormone's Biosynthesis, Transporters, Signalling, and Mechanisms in Abiotic Stress. , 2021, , 275-303.		4
95	Effects of Biochar and Biochar's Compost Mix on Growth, Performance and Physiological Responses of Potted <i>Alpinia zerumbet</i> . <i>Sustainability</i> , 2021, 13, 11226.	1.6	4
96	Integrated Analysis of Metabolome and Transcriptome Reveals Insights for Cold Tolerance in Rapeseed ( <i>Brassica napus</i> L.). <i>Frontiers in Plant Science</i> , 2021, 12, 721681.	1.7	61
97	Yield Stability and Genotype Environment Interaction of Water Deficit Stress Tolerant Mung Bean ( <i>Vigna radiata</i> L. Wilczak) Genotypes of Bangladesh. <i>Agronomy</i> , 2021, 11, 2136.	1.3	11
98	Mechanical, Fracture, and Microstructural Assessment of Carbon-Fiber-Reinforced Geopolymer Composites Containing Na <sub>2</sub> O. <i>Polymers</i> , 2021, 13, 3852.	2.0	25
99	In Silico Characterization and Expression Profiles of Heat Shock Transcription Factors (HSFs) in Maize ( <i>Zea mays</i> L.). <i>Agronomy</i> , 2021, 11, 2335.	1.3	13
100	Artificial Neural Network (ANN) and Finite Element (FEM) Models for GFRP-Reinforced Concrete Columns under Axial Compression. <i>Materials</i> , 2021, 14, 7172.	1.3	28
101	Two-Component System Genes in <i>Sorghum bicolor</i> : Genome-Wide Identification and Expression Profiling in Response to Environmental Stresses. <i>Frontiers in Genetics</i> , 2021, 12, 794305.	1.1	15
102	Comprehensive In Silico Characterization and Expression Profiling of TCP Gene Family in Rapeseed. <i>Frontiers in Genetics</i> , 2021, 12, 794297.	1.1	13
103	Advances in 'Omics' Approaches for Improving Toxic Metals/Metalloids Tolerance in Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 794373.	1.7	47
104	Exogenous salicylic acid-induced drought stress tolerance in wheat ( <i>Triticum aestivum</i> L.) grown under hydroponic culture. <i>PLoS ONE</i> , 2021, 16, e0260556.	1.1	65
105	CAPTCHA-Based Secret-Key Sharing Using Quantum Communication. <i>IT Professional</i> , 2021, 23, 46-51.	1.4	1
106	Effect of Zero and Minimum Tillage on Cotton Productivity and Soil Characteristics under Different Nitrogen Application Rates. <i>Sustainability</i> , 2021, 13, 13753.	1.6	11
107	Potential Role of Plant Growth Regulators in Administering Crucial Processes Against Abiotic Stresses. <i>Frontiers in Agronomy</i> , 2021, 3, .	1.5	50
108	Nutrient use efficiency (NUE) for sustainable wheat production: a review. <i>Journal of Plant Nutrition</i> , 2020, 43, 297-315.	0.9	76

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109	Sustainable FRP-Confined Symmetric Concrete Structures: An Application Experimental and Numerical Validation Process for Reference Data. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 333.	1.3	33
110	Surface-Enhanced Raman Spectroscopy Based on Plasmonic Slot Waveguides With Free-Space Oblique Illumination. <i>IEEE Journal of Quantum Electronics</i> , 2020, 56, 1-8.	1.0	5
111	Prediction of axial load-carrying capacity of GFRP-reinforced concrete columns through artificial neural networks. <i>Structures</i> , 2020, 28, 1557-1571.	1.7	31
112	Silicon-induced postponement of leaf senescence is accompanied by modulation of antioxidative defense and ion homeostasis in mustard ( <i>Brassica juncea</i> ) seedlings exposed to salinity and drought stress. <i>Plant Physiology and Biochemistry</i> , 2020, 157, 47-59.	2.8	70
113	Performance evaluation of concrete developed using various types of wastewater: A step towards sustainability. <i>Construction and Building Materials</i> , 2020, 262, 120608.	3.2	13
114	Structural performance of FRP-RC compression members wrapped with FRP composites. <i>Structures</i> , 2020, 27, 1693-1709.	1.7	31
115	Phytoremediation of Cadmium: Physiological, Biochemical, and Molecular Mechanisms. <i>Biology</i> , 2020, 9, 177.	1.3	135
116	Controlling Geminiviruses before Transmission: Prospects. <i>Plants</i> , 2020, 9, 1556.	1.6	7
117	Experimental and theoretical study of GFRP hoops and spirals in hybrid fiber reinforced concrete short columns. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020, 53, 1.	1.3	17
118	Reactive Oxygen Species and Antioxidant Defense in Plants under Abiotic Stress: Revisiting the Crucial Role of a Universal Defense Regulator. <i>Antioxidants</i> , 2020, 9, 681.	2.2	1,288
119	Numerical Simulations of GFRP-Reinforced Columns Having Polypropylene and Polyvinyl Alcohol Fibers. <i>Complexity</i> , 2020, 2020, 1-14.	0.9	6
120	Enhancing the Hardened Properties of Recycled Concrete (RC) through Synergistic Incorporation of Fiber Reinforcement and Silica Fume. <i>Materials</i> , 2020, 13, 4112.	1.3	32
121	The Plant Family Brassicaceae: Introduction, Biology, And Importance. , 2020, , 1-43.		12
122	Brassicaceae Plants Response and Tolerance to Drought Stress: Physiological and Molecular Interventions. , 2020, , 229-261.		7
123	Effect of Varying Steel Fiber Content on Strength and Permeability Characteristics of High Strength Concrete with Micro Silica. <i>Materials</i> , 2020, 13, 5739.	1.3	53
124	Selenium Toxicity in Plants and Environment: Biogeochemistry and Remediation Possibilities. <i>Plants</i> , 2020, 9, 1711.	1.6	56
125	Prediction of Axial Compressive Strength for FRP-Confined Concrete Compression Members. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 2099-2109.	0.9	34
126	A priority based greedy path assignment mechanism in OpenFlow based datacenter networks. <i>Journal of Network and Computer Applications</i> , 2020, 163, 102653.	5.8	3

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127	Epidemiology of ticks and molecular characterization of <i>Rhipicephalus microplus</i> in cattle population in North-Western Pakistan. <i>International Journal of Acarology</i> , 2020, 46, 335-343.	0.3	8
128	Mechanical Properties of Hybrid Steel-Glass Fiber-Reinforced Reactive Powder Concrete After Exposure to Elevated Temperatures. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 4285-4300.	1.7	24
129	Experimental and numerical behavior of hybrid-fiber-reinforced concrete compression members under concentric loading. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	26
130	Selenium in plants: Boon or bane?. <i>Environmental and Experimental Botany</i> , 2020, 178, 104170.	2.0	140
131	Mechanical, durability and economic performance of concrete incorporating fly ash and recycled aggregates. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	23
132	Reliability analysis of strength models for CFRP-confined concrete cylinders. <i>Composite Structures</i> , 2020, 244, 112312.	3.1	60
133	A Framework for Privacy Preserving, Distributed Search Engine Using Topology of DLT and Onion Routing. <i>IEEE Access</i> , 2020, 8, 43001-43012.	2.6	9
134	Plant Adaptation and Tolerance to Environmental Stresses: Mechanisms and Perspectives. , 2020, , 117-145.		37
135	Nitrogen Fixation of Legumes: Biology and Physiology. , 2020, , 43-74.		16
136	<i>Arabidopsis thaliana</i> : A Model Plant for the Study of Abiotic Stress Responses. , 2020, , 129-180.		10
137	Finite element modelling and theoretical predictions of FRP-reinforced concrete columns confined with various FRP-tubes. <i>Structures</i> , 2020, 26, 626-638.	1.7	60
138	Waveguide-based surface-enhanced Raman spectroscopy detection of protease activity using non-natural aromatic amino acids. <i>Biomedical Optics Express</i> , 2020, 11, 4800.	1.5	8
139	Mitigation of photon background in nanoplasmonic all-on-chip Raman sensors. <i>Optics Express</i> , 2020, 28, 33564.	1.7	8
140	Multiplex volatile organic compound Raman sensing with nanophotonic slot waveguides functionalized with a mesoporous enrichment layer. <i>Optics Letters</i> , 2020, 45, 447.	1.7	17
141	Polymorphic information and genetic diversity in Brassica species revealed by RAPD markers. <i>Biocell</i> , 2020, 44, 769-776.	0.4	7
142	Waveguide-based Detection of Protease Activity using Surface-Enhanced Raman Spectroscopy. , 2020, , .		0
143	A Secure Authentication Protocol against the Co-located App Attack in BLE. <i>IEEE Transactions on Smart Processing and Computing</i> , 2020, 9, 399-404.	0.3	2
144	Plasma-Enhanced Atomic Layer Deposition of Nanostructured Gold Near Room Temperature. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 37229-37238.	4.0	12

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145	Comparison of Free-Space and Waveguide-Based SERS Platforms. <i>Nanomaterials</i> , 2019, 9, 1401.	1.9	20
146	Gate Switch Selection for In-Band Controlling in Software Defined Networking. <i>IEEE Access</i> , 2019, 7, 5671-5681.	2.6	7
147	A modified protocol for rapid DNA isolation from cotton ( <i>Gossypium spp.</i> ). <i>MethodsX</i> , 2019, 6, 259-264.	0.7	12
148	Impact of Climate Change on Crops Adaptation and Strategies to Tackle Its Outcome: A Review. <i>Plants</i> , 2019, 8, 34.	1.6	901
149	SERS Detection via Individual Bowtie Nanoantennas Integrated in Si <sub>3</sub> N <sub>4</sub> Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-6.	1.9	15
150	Applications of Molecular Markers to Develop Resistance Against Abiotic Stresses in Wheat. , 2019, , 393-420.		12
151	Targeting Plant Hormones to Develop Abiotic Stress Resistance in Wheat. , 2019, , 557-577.		31
152	Evaluation of Genetic Diversity Among Exotic Sorghum ( <i>Sorghum bicolor</i> L. Moench) Genotypes Through Molecular Based Analysis (RAPD-PCR). <i>Gesunde Pflanzen</i> , 2019, 71, 187-196.	1.7	3
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