

# Muhammad Rauf

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/737738/publications.pdf>

Version: 2024-02-01

40  
papers

476  
citations

1040056

9  
h-index

794594

19  
g-index

40  
all docs

40  
docs citations

40  
times ranked

503  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Wideband Hybrid Fractal Ring Antenna for WLAN Applications. International Journal of Antennas and Propagation, 2022, 2022, 1-8.	1.2	0
2	Green Supply Chain Management Practicesâ€™ Impact on Operational Performance with the Mediation of Technological Innovation. Sustainability, 2022, 14, 3362.	3.2	26
3	Dehydrin responsive HVA1 driven inducible gene expression enhanced salt and drought tolerance in wheat. Plant Physiology and Biochemistry, 2022, 180, 124-133.	5.8	8
4	Delineation of Physiological, Agronomic and Genetic Responses of Different Wheat Genotypes under Drought Condition. Agronomy, 2022, 12, 1056.	3.0	8
5	Characterization of Agro-morphological Traits of Tartary Buckwheat Germplasm Under Spring Cultivation and Analysis of Health-Related Primary Bioactive Components in Seeds by HPLC Method. Journal of Plant Biology, 2021, 64, 87-98.	2.1	5
6	Source modification for efficiency enhancement of marine controlled-source electromagnetic method. Journal of Geophysics and Engineering, 2021, 18, 253-267.	1.4	5
7	FPGA-Based Time-Domain Channel Estimation in Gaussian Mixture Model. Mathematical Problems in Engineering, 2021, 2021, 1-12.	1.1	0
8	Surface Waves Analysis of Efficient Underwater Radio-Based Wireless Link. Mathematical Problems in Engineering, 2021, 2021, 1-10.	1.1	2
9	A Revolution toward Gene-Editing Technology and Its Application to Crop Improvement. International Journal of Molecular Sciences, 2020, 21, 5665.	4.1	62
10	Underwater Channel Characterization for Effective Communication Link. , 2020, , .		2
11	Hazards of nitrogen fertilizers and ways to reduce nitrate accumulation in crop plants. Environmental Science and Pollution Research, 2020, 27, 17661-17670.	5.3	17
12	Evaluation of Fagopyrum esculentum Moench germplasm based on agro-morphological traits and the rutin and quercetin content of seeds under spring cultivation. Genetic Resources and Crop Evolution, 2020, 67, 1385-1403.	1.6	14
13	IoT based Linear Models Analysis for Demand-Side Management of Energy in Residential Buildings. , 2020, , .		1
14	A Prospect of Efficient radio-frequency based underwater Wireless Data Transfer. , 2020, , .		7
15	Evaluation of Major Dietary Ingredients in Diverse Oats (Avena sativa L.) Germplasm. Journal of Crop Science and Biotechnology, 2019, 22, 495-507.	1.5	5
16	Evaluation of anaerobic germinability in various rice subpopulations: identifying genotypes suitable for direct-seeded rice cultivation. Euphytica, 2019, 215, 1.	1.2	11
17	Skin depth verification of the electromagnetic waves for hydrocarbon detection. International Journal of Applied Electromagnetics and Mechanics, 2019, 60, 313-326.	0.6	14
18	Performance Measure on Efficient Wireless Data Transfer in Highly Conductive Medium. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Evaluation of Sprout Growth Traits and Flavonoid Content in Common and Tartary Buckwheat Germplasms. <i>Plant Breeding and Biotechnology</i> , 2019, 7, 375-385.	0.9	4
20	Seabed Logging Validation in a Lab Scale Setup for Hydrocarbon Exploration. , 2018, , .		3
21	Effective Transmitter Amplifier Design for Detection of Off-Shore Scaled Oil Reservoirs. , 2018, , .		3
22	Efficient HED Antenna Design for Exploring Scaled Offshore Oil Reservoir. , 2018, , .		2
23	Excessive use of nitrogenous fertilizers: an unawareness causing serious threats to environment and human health. <i>Environmental Science and Pollution Research</i> , 2017, 24, 26983-26987.	5.3	178
24	Isolation and in silico analysis of a novel H <sup>+</sup> -pyrophosphatase gene orthologue from the halophytic grass <i>Leptochloa fusca</i> . <i>Journal of Molecular Structure</i> , 2017, 1129, 179-187.	3.6	0
25	Estimating Direct Waves with Respect to Receiver Offset, Antenna Current and Frequency in MCSEM. , 2016, , .		3
26	Improved hydrocarbon reservoir detection using enhanced transmitter. , 2016, , .		4
27	A study of electric field components in shallow water and water half-space models in seabed logging. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
28	Computer algorithm for airwave prediction in marine controlled source electromagnetics data. , 2016, , .		4
29	The impact of airwave on tangential and normal components of electric field in seabed logging data. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	2
30	Solid state perovskite solar modules by vacuum-vapor assisted sequential deposition on Nd:YVO <sub>4</sub> laser patterned rutile TiO <sub>2</sub> nanorods. <i>Nanotechnology</i> , 2015, 26, 494002.	2.6	26
31	Prediction of double stacking hydrocarbon using Marine Controlled Source Electromagnetic method. , 2014, , .		3
32	Subsurface exploration of seabed using electromagnetic waves for the detection of hydrocarbon layers. , 2014, , .		2
33	Cloning and characterization of Na <sup>+</sup> /H <sup>+</sup> antiporter (LfnHX1) gene from a halophyte grass <i>Leptochloa fusca</i> for drought and salt tolerance. <i>Molecular Biology Reports</i> , 2014, 41, 1669-1682.	2.3	42
34	Infomax and FASTICA using principle component analysis as preprocessor for airwave removal in seabed logging. , 2014, , .		3
35	Infomax Algorithm for Filtering Airwaves in the Field of Seabed Logging. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 7, 2914-2920.	0.1	0
36	Design and develop automatic battery cyclic tester. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
37	Response Surface Method in-cooperating embedded system for bus route optimization. , 2013, , .		0
38	Response Surface Methodology in-Cooperating Embedded System for Bus's Route Optimization. Research Journal of Applied Sciences, Engineering and Technology, 2013, 5, 5170-5181.	0.1	1
39	Intelligent Multi ID buses navigation system with efficient data transmission technique. , 2010, , .		2
40	Enhancing Electromagnetic Field Over Resistive Offshore Hydrocarbon Using Synthetic Conduction Current Incurvature. Arabian Journal for Science and Engineering, 0, , 1.	3.0	0