Mushtaque Ahmed

List of Publications by Year
in descending order

68	2,025	279487	253896
papers	citations	23 h-index	43 g-index

70	70	70	2136
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simple Field Method for Determining Unsaturated Hydraulic Conductivity. Soil Science Society of America Journal, 1991, 55, 467.	1.2	393
2	Use of evaporation ponds for brine disposal in desalination plants. Desalination, 2000, 130, 155-168.	4.0	180
3	Brine disposal from reverse osmosis desalination plants in Oman and the United Arab Emirates. Desalination, 2001, 133, 135-147.	4.0	172
4	Feasibility of salt production from inland RO desalination plant reject brine: A case study. Desalination, 2003, 158, 109-117.	4.0	121
5	Freezingâ€Melting Process and Desalination: I. Review of the Stateâ€ofâ€theâ€Art. Separation and Purification Reviews, 2006, 35, 59-96.	2.8	90
6	Translocation of pharmaceuticals and personal care products (PPCPs) into plant tissues: A review. Emerging Contaminants, 2017, 3, 132-137.	2.2	86
7	Overcoming constraints in treated greywater reuse in Oman. Desalination, 2005, 186, 177-186.	4.0	77
8	Antibiotics in wastewaters: a review with focus on Oman. Applied Water Science, 2018, 8, 1.	2.8	47
9	Freezing melting process and desalination: review of present status and future prospects. International Journal of Nuclear Desalination, 2007, 2, 253.	0.2	45
10	Effect of salinity on pythium dampingâ€off of cucumber and on the tolerance of Pythium aphanidermatum. Plant Pathology, 2010, 59, 112-120.	1.2	43
11	Vulnerability Assessment of Environmental and Climate Change Impacts on Water Resources in Al Jabal Al Akhdar, Sultanate of Oman. Water (Switzerland), 2014, 6, 3118-3135.	1.2	42
12	Wastewater and sludge management and research in Oman: An overview. Journal of the Air and Waste Management Association, 2017, 67, 267-278.	0.9	42
13	Integrated power, water and salt generation: a discussion paper. Desalination, 2001, 134, 37-45.	4.0	38
14	Measurement of Field-Saturated Hydraulic Conductivity by Using Guelph and Velocity Permeameters. Transactions of the American Society of Agricultural Engineers, 1990, 32, 1885.	0.9	36
15	Simulation-Optimization Approach for Evaluating the Feasibility of Managed Aquifer Recharge in the Samail Lower Catchment, Oman. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .	1.3	36
16	Conjunctive use of reclaimed water and groundwater in crop rotations. Agricultural Water Management, 2013, 116, 228-234.	2.4	33
17	The effect of municipal sewage sludge on the quality of soil and crops. International Journal of Recycling of Organic Waste in Agriculture, 2017, 6, 289-299.	2.0	29
18	Assessment of reclaimed water irrigation on growth, yield, and water-use efficiency of forage crops. Applied Water Science, 2011, 1, 57-65.	2.8	28

#	Article	IF	Citations
19	Phytoremediation - A sustainable approach for contaminant remediation in arid and semi-arid regions ? a review. Emirates Journal of Food and Agriculture, 2014, 26, 757.	1.0	28
20	Climate change, vulnerability and adaptation experiences of farmers in Al-Suwayq Wilayat, Sultanate of Oman. International Journal of Climate Change Strategies and Management, 2013, 5, 445-454.	1.5	27
21	Brine Disposal from Inland Desalination Plants. Water International, 2002, 27, 194-201.	0.4	26
22	Integrated environmental assessment to explore water resources management in Al Jabal Al Akhdar, Sultanate of Oman. Regional Environmental Change, 2016, 16, 1345-1361.	1.4	26
23	Design, construction and evaluation of an ablution water treatment unit in Oman: a case study. International Journal of Environmental Studies, 2006, 63, 283-292.	0.7	25
24	Managed aquifer recharge using quaternary-treated wastewater: an economic perspective. International Journal of Water Resources Development, 2014, 30, 246-261.	1.2	25
25	Assessing the presence of pharmaceuticals in soil and plants irrigated with treated wastewater in Oman. International Journal of Recycling of Organic Waste in Agriculture, 2018, 7, 165-172.	2.0	24
26	The impact of heat and water stress conditions on the growth of the biofuel plantJatropha curcas. International Journal of Environmental Studies, 2012, 69, 273-288.	0.7	21
27	Climate change in Oman: current knowledge and way forward. Education, Business and Society: Contemporary Middle Eastern Issues, 2012, 5, 228-236.	0.6	20
28	Boron removal from seawater using date palm (Phoenix dactylifera) seed ash. Desalination and Water Treatment, 2016, 57, 5130-5137.	1.0	19
29	Relative vulnerability of coastal Wilayats to development: a study of Al-Batinah North, Oman. Journal of Coastal Conservation, 2015, 19, 51-57.	0.7	17
30	Extended use of grey water for irrigating home gardens in an arid environment. Environmental Science and Pollution Research, 2017, 24, 13650-13658.	2.7	15
31	Response of Different Tomato Cultivars to Diluted Seawater Salinity. Asian Journal of Crop Science, 2009, 1, 77-86.	0.2	15
32	Removal of Dissolved Organic Carbon from Oily Produced Water by Adsorption onto Date Seeds: Equilibrium, Kinetic, and Thermodynamic Studies. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	13
33	Pesticides and Herbicides. Water Environment Research, 2018, 90, 1663-1678.	1.3	12
34	Land disposal of treated saline oil production water: impacts on soil properties. Desalination, 2007, 212, 54-61.	4.0	11
35	Effect of reclaimed water irrigation on yield attributes and chemical composition of wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Over	1.3	10
36	Ecological and Human Health Risk Assessment. Water Environment Research, 2018, 90, 1777-1791.	1.3	10

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37	Biological treatment of greywater using sequencing batch reactor technology. International Journal of Environmental Studies, 2008, 65, 71-85.	0.7	9
38	Superiority of date seed ash as an adsorbent over other ashes and ferric chloride in removing boron from seawater. Desalination and Water Treatment, 2011, 32, 324-328.	1.0	9
39	Environmental quality assessment of groundwater resources in Al Jabal Al Akhdar, Sultanate of Oman. Applied Water Science, 2017, 7, 3539-3552.	2.8	9
40	Health Effects Associated with Wastewater Treatment, Reuse and Disposal. Water Environment Research, 2018, 90, 1759-1776.	1.3	9
41	Comparative analysis of economic and institutional aspects of desalination for agriculture in the Sultanate of Oman and Spain. , 0, 156, 1-6.		9
42	Impact of Treated Wastewater from Oil Extraction Process on Soil Physical Properties. Communications in Soil Science and Plant Analysis, 2004, 35, 751-758.	0.6	8
43	Evaluation of customâ€made and commercial greywater treatment systems: a case study from Oman. International Journal of Environmental Studies, 2008, 65, 33-40.	0.7	8
44	Effects of Pollution on Freshwater Organisms. Water Environment Research, 2017, 89, 1676-1703.	1.3	8
45	Analysis of crops cultivation trend: a shifting scenario in a coastal Wilayat, Oman. Environment, Development and Sustainability, 2020, 22, 2685-2698.	2.7	8
46	Effects of Treated Wastewater Irrigation on Element Concentrations in Soil and Maize Plants. Communications in Soil Science and Plant Analysis, 2011, 42, 2046-2063.	0.6	7
47	Prospects of desalination for irrigation water in the Sultanate of Oman. Journal of Water Reuse and Desalination, 2015, 5, 430-436.	1.2	6
48	Opportunities and Challenges of Using Treated Wastewater in Agriculture. , 2014, , 109-123.		5
49	Ecological and human health risk assessment. Water Environment Research, 2019, 91, 1072-1079.	1.3	5
50	Management of Saline Lands in Oman: Learning to Live with Salinity. , 2013, , 265-281.		5
51	Sampling soil water in sandy soils: comparative analysis of some common methods. Communications in Soil Science and Plant Analysis, 2001, 32, 1677-1686.	0.6	4
52	Attapulgite as Potential Adsorbent for Dissolved Organic Carbon From Oily Water. Clean - Soil, Air, Water, 2015, 43, 1522-1530.	0.7	4
53	Solar desalination technology to supply water for agricultural applications. , 2022, , 271-311.		4
54	An Overview: Desalination, Environmental and Marine Outfall Systems. , 2015, , 3-10.		3

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55	Treated Municipal Wastes: Are they Contaminating or Enriching the Soil?. , 2016, , .		3
56	Textiles. Water Environment Research, 2017, 89, 1424-1440.	1.3	3
57	Maximum Use of Treated Wastewater in Agriculture. Springer Water, 2017, , 371-382.	0.2	3
58	Utilization of low quality water of mountain reservoirs: a case study from Al Jabal Al Akhdar, Oman. Journal of Mountain Science, 2016, 13, 1423-1430.	0.8	2
59	Cost evaluation of desalination and sewage treatment based on plants operated in Oman and use of software models. Desalination and Water Treatment, 2016, 57, 8649-8656.	1.0	2
60	Bioenergy from Biofuel Residues and Wastes. Water Environment Research, 2017, 89, 1441-1460.	1.3	2
61	Preliminary Study on the Potential Use of Fly Ash as a Ventilated Improved Pit Latrine Additive. Journal of Solid Waste Technology and Management, 2019, 45, 395-402.	0.2	2
62	A short communication on growing Jatropha in Oman. International Journal of Environmental Studies, 2011, 68, 25-29.	0.7	1
63	Radioactive Wastes. Water Environment Research, 2017, 89, 1487-1502.	1.3	1
64	Use of Ceramic Membrane Technology for Sustainable Management of Oil Production Water: A Review. , 2015, , 11-23.		1
65	A SIMPLE TECHNIQUE TO IMPROVE THE EFFICIENCY OF FURROW IRRIGATION SYSTEM. Acta Horticulturae, 2014, , 103-110.	0.1	1
66	Effects of Pollution on Freshwater Organisms. Water Environment Research, 2018, 90, 1723-1747.	1.3	0
67	Improving water use efficiency of crops for sustainable agriculture in dry lands. , 0, 176, 182-189.		0
68	Disaster Risk Management, Ventilated Improved Pit Latrines, and Sanitation Challenges in South Africa. Sustainability, 2022, 14, 6934.	1.6	0