

# Talal Darwish

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38  
papers

736  
citations

14  
h-index

26  
g-index

39  
ext. papers

857  
ext. citations

3.3  
avg, IF

3.82  
L-index

#	Paper	IF	Citations
38	Comparison of Different Indicators for Groundwater Contamination by Seawater Intrusion on the Lebanese Coast. <i>Water Resources Management</i> , <b>2006</b> , 20, 161-180	3.7	141
37	Salinity evolution and crop response to secondary soil salinity in two agro-climatic zones in Lebanon. <i>Agricultural Water Management</i> , <b>2005</b> , 78, 152-164	5.9	93
36	Nitrogen and water use efficiency of fertigated processing potato. <i>Agricultural Water Management</i> , <b>2006</b> , 85, 95-104	5.9	83
35	Sentinel-1 Data for Winter Wheat Phenology Monitoring and Mapping. <i>Remote Sensing</i> , <b>2019</b> , 11, 2228	5	41
34	Management of nitrogen by fertigation of potato in Lebanon. <i>Nutrient Cycling in Agroecosystems</i> , <b>2003</b> , 67, 1-11	3.3	40
33	Observations on soil and groundwater contamination with nitrate: A case study from Lebanon-East Mediterranean. <i>Agricultural Water Management</i> , <b>2011</b> , 99, 74-84	5.9	34
32	A Novel Approach for Mapping Wheat Areas Using High Resolution Sentinel-2 Images. <i>Sensors</i> , <b>2018</b> , 18,	3.8	31
31	Environmental impact of quarries on natural resources in Lebanon. <i>Land Degradation and Development</i> , <b>2011</b> , 22, 345-358	4.4	31
30	Distribution and nature of Red Mediterranean soils in Lebanon along an altitudinal sequence. <i>Catena</i> , <b>1997</b> , 28, 191-202	5.8	28
29	Determination of natural and artificial radioactivity in soil at North Lebanon province. <i>Journal of Environmental Radioactivity</i> , <b>2013</b> , 125, 36-9	2.4	26
28	Mobility and bioavailability of selected trace elements in Mediterranean red soil amended with phosphate fertilizers: Experimental study. <i>Geoderma</i> , <b>2012</b> , 189-190, 357-368	6.7	24
27	Ni, Cu, Zn and Pb background values determination in representative Lebanese soil using the thick target PIXE technique. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2004</b> , 219-220, 181-186	1.2	22
26	Metal(loid)s immobilization in soils of Lebanon using municipal solid waste compost: Microbial and biochemical impact. <i>Applied Soil Ecology</i> , <b>2019</b> , 143, 134-143	5	16
25	Characterization of the time dynamics of monthly satellite snow cover data on Mountain Chains in Lebanon. <i>Journal of Hydrology</i> , <b>2014</b> , 519, 3214-3222	6	14
24	Mapping of soil organic carbon stock in the Arab countries to mitigate land degradation. <i>Arabian Journal of Geosciences</i> , <b>2017</b> , 10, 1	1.8	13
23	Mobility of selected trace elements in Mediterranean red soil amended with phosphogypsum: experimental study. <i>Environmental Monitoring and Assessment</i> , <b>2012</b> , 184, 4397-412	3.1	12
22	Investigating the time dynamics of monthly rainfall time series observed in northern Lebanon by means of the detrended fluctuation analysis and the Fisher-Shannon method. <i>Acta Geophysica</i> , <b>2013</b> , 61, 1538-1555	2.2	9

21	Application of the LDN concept for quantification of the impact of land use and land cover changes on Mediterranean watersheds - Al Awali basin - Lebanon as a case study. <i>Catena</i> , <b>2019</b> , 176, 264-278	5.8	8
20	Effect of agricultural practices and coastal constraints on soil microbial functional properties in Mediterranean olive orchards. <i>European Journal of Soil Science</i> , <b>2016</b> , 67, 470-477	3.4	8
19	Singular spectrum analysis and Fisher-Shannon analysis of spring flow time series: An application to Anjar Spring, Lebanon. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2013</b> , 392, 3789-3797	3.3	8
18	Analysis of long-term fluctuations in stream flow time series: An application to Litani River, Lebanon. <i>Acta Geophysica</i> , <b>2014</b> , 62, 164-179	2.2	6
17	Total boron assessment in soil samples from dry Mediterranean region using the thick target-particle induced gamma-ray emission technique. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2006</b> , 249, 566-570	1.2	6
16	Watershed characteristics, land use and fabric: The application of remote sensing and geographical information systems. <i>Lakes and Reservoirs: Research and Management</i> , <b>2005</b> , 10, 85-92	1.2	6
15	Performance of wheat-based cropping systems and economic risk of low relative productivity assessment in a sub-dry Mediterranean environment. <i>European Journal of Agronomy</i> , <b>2020</b> , 113, 125968 <sup>5</sup>		6
14	Challenges of soil carbon sequestration in the NENA region. <i>Soil</i> , <b>2018</b> , 4, 225-235	5.8	6
13	Effect of abandonment of olive orchards on soil organic carbon sequestration in Mediterranean Lebanon. <i>Soil Research</i> , <b>2015</b> , 53, 745	1.8	5
12	Climatic Induced Snowpack Surfaces on Lebanon's Mountains. <i>The Open Hydrology Journal</i> , <b>2014</b> , 8, 8-16		5
11	Olive mill waste and glyphosate-based herbicide addition to olive grove soils: effects on microbial activities and their responses to drying-wetting cycles. <i>Soil Use and Management</i> , <b>2017</b> , 33, 499-510	3.1	3
10	Land Capability for Agriculture, Hermel District, Lebanon. <i>Journal of Maps</i> , <b>2019</b> , 15, 122-130	2.2	2
9	Assessment of the plasma desorption time-of-flight mass spectrometry technique for pesticide adsorption and degradation on 'as-received' treated soil samples. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 2379-89	2.2	2
8	Inducing Water Productivity from Snow Cover for Sustainable Water Management in Ibrahim River Basin, Lebanon. <i>British Journal of Applied Science &amp; Technology</i> , <b>2015</b> , 5, 233-243		2
7	Sustaining the ecological functions of the Litani River Basin, Lebanon. <i>International Journal of River Basin Management</i> , 1-15	1.7	2
6	Towards rapid and simultaneous quantification of F, Li and Na in 'as received' geological samples using PIGE technique. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2017</b> , 314, 1885-1895	1.5	1
5	Overwinter Mineralization of a Biosolid and Composted Banana Residues in Humid Mediterranean Conditions. <i>Communications in Soil Science and Plant Analysis</i> , <b>2011</b> , 42, 1237-1248	1.5	1
4	A GIS framework for the application of the Land Degradation Neutrality concept in Mediterranean landscapes. <i>Geocarto International</i> , 1-28	2.7	1

3	Validation of a new method for monitoring trace elements in Mediterranean cereal soils. <i>International Journal of Environmental Analytical Chemistry</i> ,1-17	1.8	o
2	Effect of Potassium Supply and Water Stress on Potato Drought Tolerance and Water Productivity. <i>Communications in Soil Science and Plant Analysis</i> , <b>2022</b> , 53, 1100-1112	1.5	
1	Biochar Addition Decreases the Mobility, Bioavailability, and Phytotoxicity of Potentially Toxic Elements in an Agricultural Contaminated Soil. <i>Communications in Soil Science and Plant Analysis</i> ,1-17	1.5	