

Farhad Khormali

List of Publications by Year in Descending Order

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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.

71
papers

1,199
citations

18
h-index

32
g-index

77
ext. papers

1,439
ext. citations

3.2
avg, IF

4.65
L-index

#	Paper	IF	Citations
71	Quaternary sediment sources and loess transport pathways in the Black Sea - Caspian Sea region identified by detrital zircon U-Pb geochronology. <i>Global and Planetary Change</i> , 2022 , 209, 103736	4.2	1
70	Digital soil mapping of organic carbon at two depths in loess hilly region of Northern Iran 2022 , 467-475		1
69	The impact of precipitation on the distributions of branched tetraethers in alkaline soils. <i>Organic Geochemistry</i> , 2022 , 104410	3.1	0
68	Biological weathering of phlogopite during enriched vermicomposting. <i>Pedosphere</i> , 2021 , 31, 440-451	5	1
67	Quartz OSL dating of loess deposits since the late glacial in the Southeast of Caspian Sea. <i>Quaternary International</i> , 2021 , 583, 39-47	2	3
66	Pleistocene dynamics of dust accumulation and soil formation in the southern Caspian Lowlands - New insights from the loess-paleosol sequence at Neka-Abelou, northern Iran. <i>Quaternary Science Reviews</i> , 2021 , 253, 106774	3.9	8
65	The formation of iron oxides and magnetic enhancement mechanisms in northern Iranian loess-paleosol sequences: Evidence from diffuse reflectance spectrophotometry and temperature dependence of magnetic susceptibility. <i>Quaternary International</i> , 2021 , 589, 68-82	2	1
64	Artificial Intelligence Statistical Analysis of Soil Respiration Improves Predictions Compared to Regression Methods. <i>Journal of Soil Science and Plant Nutrition</i> , 2021 , 21, 2242-2251	3.2	3
63	Effect of biocrusts on profile distribution of soil water content and salinity at different stages of evaporation. <i>Journal of Arid Environments</i> , 2021 , 191, 104514	2.5	6
62	Biocrust islands enhance infiltration, and reduce runoff and sediment yield on a heavily salinized dryland soil. <i>Geoderma</i> , 2021 , 404, 115329	6.7	4
61	Biological soil crusts determine soil properties and salt dynamics under arid climatic condition in Qara Qir, Iran. <i>Science of the Total Environment</i> , 2020 , 732, 139168	10.2	13
60	Spatial Variability of Rainfed Wheat Production Under the Influence of Topography and Soil Properties in Loess-Derived Soils, Northern Iran. <i>International Journal of Plant Production</i> , 2020 , 14, 597-608	2.4	9
59	Holocene Moisture Variations in Western Arid Central Asia Inferred From Loess Records From NE Iran. <i>Geochemistry, Geophysics, Geosystems</i> , 2020 , 21, e2019GC008616	3.6	5
58	Investigating soil magnetic properties with pedogenic variation along a precipitation gradient in loess-derived soils of the Golestan province, northern Iran. <i>Quaternary International</i> , 2020 , 552, 100-110 ²		4
57	Pedogenic carbonates archive modern and past precipitation change [A transect study from soils and loess-paleosol sequences from northern Iran. <i>Quaternary International</i> , 2020 , 552, 79-90	2	3
56	Hot desert soils Global distribution and unique characteristics. <i>Geoderma Regional</i> , 2020 , 23, e00330	2.7	2
55	Effect of the accuracy of topographic data on improving digital soil mapping predictions with limited soil data: An application to the Iranian loess plateau. <i>Catena</i> , 2020 , 195, 104810	5.8	14

54	Evidence for signatures of ancient microbial life in paleosols. <i>Scientific Reports</i> , 2020 , 10, 16830	4.9	0
53	Role of geomorphic surface on the above-ground biomass and soil organic carbon storage in a semi-arid region of Iranian loess plateau. <i>Quaternary International</i> , 2020 , 552, 111-121	2	3
52	Clay mineralogy and geochemistry of the Lower Pleistocene Loess in the Iranian Loess Plateau (Agh Band section) and implications for its provenance and paleoclimate change. <i>Quaternary International</i> , 2020 , 552, 91-99	2	3
51	Timing and development of sand dunes in the Golestan Province, northern Iran Implications for the Late-Pleistocene history of the Caspian Sea. <i>Aeolian Research</i> , 2019 , 41, 100538	3.9	6
50	Base cation dynamics in rainfall, throughfall, litterflow and soil solution under Oriental beech (<i>Fagus orientalis</i> Lipsky) trees in northern Iran. <i>Annals of Forest Science</i> , 2019 , 76, 1	3.1	10
49	Development and magnetic properties of loess-derived forest soils along a precipitation gradient in northern Iran. <i>Journal of Mountain Science</i> , 2019 , 16, 1848-1868	2.1	4
48	Paleopedology and magnetic properties of Sari loess-paleosol sequence in Caspian lowland, northern Iran. <i>Journal of Mountain Science</i> , 2019 , 16, 1559-1570	2.1	1
47	Cadmium and lead immobilization in a calcareous contaminated soil using the cost-effective amendments. <i>Arabian Journal of Geosciences</i> , 2019 , 12, 1	1.8	3
46	Climatic significance of the stable carbon isotopic composition of surface soils in northern Iran and its application to an Early Pleistocene loess section. <i>Organic Geochemistry</i> , 2019 , 127, 104-114	3.1	10
45	Constraining the timing of palaeosol development in Iranian arid environments using OSL dating. <i>Quaternary Geochronology</i> , 2019 , 49, 92-100	2.7	5
44	Paleosols and Past Climate Change. <i>World Soils Book Series</i> , 2018 , 149-161	0.7	1
43	Major Soils, Properties, and Classification. <i>World Soils Book Series</i> , 2018 , 93-147	0.7	7
42	Late Pleistocene dust dynamics and pedogenesis in Southern Eurasia Detailed insights from the loess profile Toshan (NE Iran). <i>Quaternary Science Reviews</i> , 2018 , 180, 75-95	3.9	27
41	Soil-Forming Factors and Processes. <i>World Soils Book Series</i> , 2018 , 73-91	0.7	3
40	Geochemistry of soils derived from selected sedimentary parent rocks in Kopet Dagh, North East Iran. <i>Journal of Geochemical Exploration</i> , 2018 , 194, 52-70	3.8	6
39	Effects of environmental factors on classification of loess-derived soils and clay minerals variations, northern Iran. <i>Journal of Mountain Science</i> , 2018 , 15, 976-991	2.1	4
38	Cyanobacterial diversity and toxicity of biocrusts from the Caspian Lowland loess deposits, North Iran. <i>Quaternary International</i> , 2017 , 429, 74-85	2	16
37	Micromorphology of the lower Pleistocene loess in the Iranian Loess Plateau and its paleoclimatic implications. <i>Quaternary International</i> , 2017 , 429, 31-40	2	13

36	Biomarkers in modern and buried soils of semi-desert and forest ecosystems of northern Iran. <i>Quaternary International</i> , 2017 , 429, 62-73	2	9
35	Grain-size distribution of Pleistocene loess deposits in northern Iran and its palaeoclimatic implications. <i>Quaternary International</i> , 2017 , 429, 41-51	2	28
34	Soil-parent material relationship in a mountainous arid area of Kopet Dagh basin, North East Iran. <i>Catena</i> , 2017 , 152, 252-267	5.8	15
33	Accuracy Assessment of Landform Classification Approaches on Different Spatial Scales for the Iranian Loess Plateau. <i>ISPRS International Journal of Geo-Information</i> , 2017 , 6, 366	2.9	22
32	Discrimination of sand dunes and loess deposits using grain-size analysis in northeastern Iran. <i>Arabian Journal of Geosciences</i> , 2017 , 10, 1	1.8	7
31	Climatic interpretation of loess-paleosol sequences at Mobarakabad and Aghband, Northern Iran. <i>Quaternary Research</i> , 2016 , 86, 95-109	1.9	11
30	Legacy soil maps as a covariate in digital soil mapping: A case study from Northern Iran. <i>Geoderma</i> , 2016 , 279, 141-148	6.7	29
29	Using magnetic susceptibility to discriminate between soil moisture regimes in selected loess and loess-like soils in northern Iran. <i>Journal of Applied Geophysics</i> , 2016 , 127, 23-30	1.7	35
28	Loess-soil sequence at Toshan (Northern Iran): Insights into late Pleistocene climate change. <i>Quaternary International</i> , 2016 , 399, 122-135	2	42
27	Environmental factors controlling soil organic carbon storage in loess soils of a subhumid region, northern Iran. <i>Geoderma</i> , 2016 , 281, 1-10	6.7	65
26	Early Pleistocene climate in western arid central Asia inferred from loess-palaeosol sequences. <i>Scientific Reports</i> , 2016 , 6, 20560	4.9	34
25	Weathering and soils formation on different parent materials in Golestan Province, Northern Iran. <i>Journal of Mountain Science</i> , 2016 , 13, 870-881	2.1	7
24	Climatic interpretation of loess-paleosol sequences at Mobarakabad and Aghband, Northern Iran. <i>Quaternary Research</i> , 2016 , 86, 95-109	1.9	20
23	Effect of canola rhizosphere and silicate dissolving bacteria on the weathering and K release from indigenous glauconite shale. <i>Biology and Fertility of Soils</i> , 2015 , 51, 973-981	6.1	15
22	Rhizosphere-induced weathering of minerals in loess-derived soils of Golestan Province, Iran. <i>Geoderma Regional</i> , 2015 , 5, 34-43	2.7	13
21	Clay transformation and pedogenic calcite formation on a lithosequence of igneous rocks in northwestern Iran. <i>Catena</i> , 2015 , 133, 186-197	5.8	18
20	Spatial variability of soil organic carbon in different hillslope positions in Toshan area, Golestan Province, Iran: Geostatistical approaches. <i>Journal of Mountain Science</i> , 2015 , 12, 1422-1433	2.1	6
19	Clay mineralogy of the Jurassic-tertiary sedimentary rocks of the Kopet Dagh Basin (Northeastern Iran): Implications for paleoclimate and sedimentary environment. <i>Acta Geodynamica Et Geomaterialia</i> , 2015 , 387-398	1	6

18	Updating soil survey maps using random forest and conditioned Latin hypercube sampling in the loess derived soils of northern Iran. <i>Geoderma</i> , 2014 , 232-234, 97-106	6.7	69
17	Mineralogy and Characteristics of Soils Developed on Persian Gulf and Oman Sea Basin, Southern Iran. <i>Soil Science</i> , 2013 , 178, 568-584	0.9	9
16	Soil formation in loess-derived soils along a subhumid to humid climate gradient, Northeastern Iran. <i>Geoderma</i> , 2012 , 179-180, 113-122	6.7	34
15	Comparing the weathering of soil and sedimentary palygorskite in the rhizosphere zone. <i>Applied Clay Science</i> , 2011 , 54, 235-241	5.2	9
14	Pedogenetic investigation of soil degradation on a deforested loess hillslope of Golestan Province, Northern Iran. <i>Geoderma</i> , 2011 , 167-168, 274-283	6.7	22
13	Micromorphology and development of loess-derived surface and buried soils along a precipitation gradient in Northern Iran. <i>Quaternary International</i> , 2011 , 234, 109-123	2	59
12	Micromorphology and quality attributes of the loess derived soils affected by land use change: A case study in Ghapan watershed, Northern Iran. <i>Journal of Mountain Science</i> , 2009 , 6, 197-204	2.1	5
11	Role of deforestation and hillslope position on soil quality attributes of loess-derived soils in Golestan province, Iran. <i>Agriculture, Ecosystems and Environment</i> , 2009 , 134, 178-189	5.7	96
10	Relationships of barley biomass and grain yields to soil properties within a field in the arid region: Use of factor analysis. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2009 , 59, 107-117 ^{1.1}	1.1	12
9	Effect of Soil Moisture Regime and Rice Cultivation on Mineralogical Characteristics of Paddy Soils of Mazandaran Province, Northern Iran, Amol. <i>International Journal of Soil Science</i> , 2008 , 3, 138-148	0.2	13
8	Morphology and Micromorphology of Paddy Soils under Different Soil Moisture Regime and Ground Water Table in Mazandaran Province, Northern Iran, Amol. <i>International Journal of Soil Science</i> , 2008 , 3, 149-156	0.2	3
7	Forms of K as a function of clay mineralogy and soil development. <i>Clay Minerals</i> , 2006 , 41, 739-749	1.3	17
6	Micromorphology of calcitic features in highly calcareous soils of Fars Province, Southern Iran. <i>Geoderma</i> , 2006 , 132, 31-46	6.7	60
5	Late Mesozoic-Cenozoic clay mineral successions of southern Iran and their palaeoclimatic implications. <i>Clay Minerals</i> , 2005 , 40, 191-203	1.3	18
4	Argillic horizon development in calcareous soils of arid and semiarid regions of southern Iran. <i>Catena</i> , 2003 , 53, 273-301	5.8	63
3	Origin and distribution of clay minerals in calcareous arid and semi-arid soils of Fars Province, southern Iran. <i>Clay Minerals</i> , 2003 , 38, 511-527	1.3	103
2	GENESIS AND MORPHOLOGICAL CHARACTERISTICS OF MOLLISOLS FORMED IN A CATENA UNDER WATER TABLE INFLUENCE IN SOUTHERN IRAN. <i>Communications in Soil Science and Plant Analysis</i> , 2001 , 32, 1643-1658	1.5	16
1	Experimental micropedology: A technique for investigating soil carbonate biogenesis along a desert-grassland-forest transect, New Mexico, USA .. <i>Spanish Journal of Soil Science</i> , 4 ,		6

