Farhad Khormali

List of Publications by Year
in descending order

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Version: 2024-02-01

75 papers	1,688 citations	331538 21 h-index	330025 37 g-index
77 all docs	77 docs citations	77 times ranked	1483 citing authors

#	Article	IF	Citations
1	Digital soil mapping of organic carbon at two depths in loess hilly region of Northern Iran. , 2022, , 467-475.		2
2	Quaternary sediment sources and loess transport pathways in the Black Sea - Caspian Sea region identified by detrital zircon U-Pb geochronology. Global and Planetary Change, 2022, 209, 103736.	1.6	16
3	The impact of precipitation on the distributions of branched tetraethers in alkaline soils. Organic Geochemistry, 2022, 169, 104410.	0.9	8
4	General Holocene warming trend in arid Central Asia indicated by soil isoprenoid tetraethers. Global and Planetary Change, 2022, 215, 103879.	1.6	15
5	Quartz OSL dating of loess deposits since the late glacial in the Southeast of Caspian Sea. Quaternary International, 2021, 583, 39-47.	0.7	3
6	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. Quaternary Science Reviews, 2021, 253, 106774.	1.4	19
7	Biological weathering of phlogopite during enriched vermicomposting. Pedosphere, 2021, 31, 440-451.	2.1	2
8	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. Quaternary International, 2021, 589, 68-82.	0.7	5
9	Artificial Intelligence Statistical Analysis of Soil Respiration Improves Predictions Compared to Regression Methods. Journal of Soil Science and Plant Nutrition, 2021, 21, 2242-2251.	1.7	5
10	Effect of biocrusts on profile distribution of soil water content and salinity at different stages of evaporation. Journal of Arid Environments, 2021, 191, 104514.	1.2	11
11	Biocrust islands enhance infiltration, and reduce runoff and sediment yield on a heavily salinized dryland soil. Geoderma, 2021, 404, 115329.	2.3	12
12	Late Pleistocene Climate and Dust Source From the Mobarakabad Loessâ€"Paleosol Sequence, Northern Foothills of the Alborz Mountains, Northern Iran. Frontiers in Earth Science, 2021, 9, .	0.8	6
13	Role of geomorphic surface on the above-ground biomass and soil organic carbon storage in a semi-arid region of Iranian loess plateau. Quaternary International, 2020, 552, 111-121.	0.7	7
14	Clay mineralogy and geochemistry of the Lower Pleistocene Loess in the Iranian Loess Plateau (Agh) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2020, 552, 91-99.	0.7	9
15	Investigating soil magnetic properties with pedogenic variation along a precipitation gradient in loess-derived soils of the Golestan province, northern Iran. Quaternary International, 2020, 552, 100-110.	0.7	11
16	Pedogenic carbonates archive modern and past precipitation change â€" A transect study from soils and loess-paleosol sequences from northern Iran. Quaternary International, 2020, 552, 79-90.	0.7	12
17	Hot desert soilsâ€"Global distribution and unique characteristics. Geoderma Regional, 2020, 23, e00330.	0.9	8
18	Effect of the accuracy of topographic data on improving digital soil mapping predictions with limited soil data: An application to the Iranian loess plateau. Catena, 2020, 195, 104810.	2.2	30

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19	Evidence for signatures of ancient microbial life in paleosols. Scientific Reports, 2020, 10, 16830.	1.6	8
20	Biological soil crusts determine soil properties and salt dynamics under arid climatic condition in Qara Qir, Iran. Science of the Total Environment, 2020, 732, 139168.	3.9	28
21	Spatial Variability of Rainfed WheatÂProduction Under the Influence of Topography and Soil Properties in Loess-Derived Soils, Northern Iran. International Journal of Plant Production, 2020, 14, 597-608.	1.0	19
22	Holocene Moisture Variations in Western Arid Central Asia Inferred From Loess Records From NE Iran. Geochemistry, Geophysics, Geosystems, 2020, 21, e2019GC008616.	1.0	14
23	Development and magnetic properties of loess-derived forest soils along a precipitation gradient in northern Iran. Journal of Mountain Science, 2019, 16, 1848-1868.	0.8	10
24	Paleopedology and magnetic properties of Sari loess-paleosol sequence in Caspian lowland, northern Iran. Journal of Mountain Science, 2019, 16, 1559-1570.	0.8	4
25	Timing and development of sand dunes in the Golestan Province, northern Iranâ€"Implications for the Late-Pleistocene history of the Caspian Sea. Aeolian Research, 2019, 41, 100538.	1.1	14
26	Base cation dynamics in rainfall, throughfall, litterflow and soil solution under Oriental beech (Fagus orientalis Lipsky) trees in northern Iran. Annals of Forest Science, 2019, 76, 1.	0.8	14
27	Cadmium and lead immobilization in a calcareous contaminated soil using the cost-effective amendments. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	5
28	Climatic significance of the stable carbon isotopic composition of surface soils in northern Iran and its application to an Early Pleistocene loess section. Organic Geochemistry, 2019, 127, 104-114.	0.9	17
29	Constraining the timing of palaeosol development in Iranian arid environments using OSL dating. Quaternary Geochronology, 2019, 49, 92-100.	0.6	8
30	Paleosols and Past Climate Change. World Soils Book Series, 2018, , 149-161.	0.1	1
31	Major Soils, Properties, and Classification. World Soils Book Series, 2018, , 93-147.	0.1	11
32	Late Pleistocene dust dynamics and pedogenesis in Southern Eurasia â€" Detailed insights from the loess profile Toshan (NE Iran). Quaternary Science Reviews, 2018, 180, 75-95.	1.4	38
33	Soil-Forming Factors and Processes. World Soils Book Series, 2018, , 73-91.	0.1	3
34	Effects of environmental factors on classification of loessderived soils and clay minerals variations, northern Iran. Journal of Mountain Science, 2018, 15, 976-991.	0.8	4
35	Geochemistry of soils derived from selected sedimentary parent rocks in Kopet Dagh, North East Iran. Journal of Geochemical Exploration, 2018, 194, 52-70.	1.5	8
36	A GEOCHEMICAL INVESTIGATION OF PADDY (P) AND NON-PADDY (NP) SOILS ON A CATENA: A CASE STUDY OF GHAEMSHAHR IN MAZANDARAN PROVINCE, IRAN. Applied Ecology and Environmental Research, 2018, 16, 2487-2501.	0.2	0

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37	Cyanobacterial diversity and toxicity of biocrusts from the Caspian Lowland loess deposits, North Iran. Quaternary International, 2017, 429, 74-85.	0.7	24
38	Micromorphology of the lower Pleistocene loess in the Iranian Loess Plateau and its paleoclimatic implications. Quaternary International, 2017, 429, 31-40.	0.7	15
39	Biomarkers in modern and buried soils of semi-desert and forest ecosystems of northern Iran. Quaternary International, 2017, 429, 62-73.	0.7	12
40	Grain-size distribution of Pleistocene loess deposits in northern Iran and its palaeoclimatic implications. Quaternary International, 2017, 429, 41-51.	0.7	35
41	Soil-parent material relationship in a mountainous arid area of Kopet Dagh basin, North East Iran. Catena, 2017, 152, 252-267.	2.2	19
42	Discrimination of sand dunes and loess deposits using grain-size analysis in northeastern Iran. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	10
43	Accuracy Assessment of Landform Classification Approaches on Different Spatial Scales for the Iranian Loess Plateau. ISPRS International Journal of Geo-Information, 2017, 6, 366.	1.4	34
44	Environmental factors controlling soil organic carbon storage in loess soils of a subhumid region, northern Iran. Geoderma, 2016, 281, 1-10.	2.3	97
45	Early Pleistocene climate in western arid central Asia inferred from loess-palaeosol sequences. Scientific Reports, 2016, 6, 20560.	1.6	45
46	Weathering and soils formation on different parent materials in Golestan Province, Northern Iran. Journal of Mountain Science, 2016, 13, 870-881.	0.8	11
47	Climatic interpretation of loess-paleosol sequences at Mobarakabad and Aghband, Northern Iran. Quaternary Research, 2016, 86, 95-109.	1.0	25
48	Climatic interpretation of loess-paleosol sequences at Mobarakabad and Aghband, Northern Iran. Quaternary Research, 2016, 86, 95-109.	1.0	14
49	Legacy soil maps as a covariate in digital soil mapping: A case study from Northern Iran. Geoderma, 2016, 279, 141-148.	2.3	39
50	Using magnetic susceptibility to discriminate between soil moisture regimes in selected loess and loess-like soils in northern Iran. Journal of Applied Geophysics, 2016, 127, 23-30.	0.9	43
51	Loess-soil sequence at Toshan (Northern Iran): Insights into late Pleistocene climate change. Quaternary International, 2016, 399, 122-135.	0.7	52
52	Clay transformation and pedogenic calcite formation on a lithosequence of igneous rocks in northwestern Iran. Catena, 2015, 133, 186-197.	2.2	22
53	Spatial variability of soil organic carbon in different hillslope positions in Toshan area, Golestan Province, Iran: Geostatistical approaches. Journal of Mountain Science, 2015, 12, 1422-1433.	0.8	11
54	Effect of canola rhizosphere and silicate dissolving bacteria on the weathering and K release from indigenous glauconite shale. Biology and Fertility of Soils, 2015, 51, 973-981.	2.3	19

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55	Rhizosphere-induced weathering of minerals in loess-derived soils of Golestan Province, Iran. Geoderma Regional, 2015, 5, 34-43.	0.9	18
56	Clay mineralogy of the Jurassic-tertiary sedimentary rocks of the Kopet Dagh Basin (Northeastern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2015, , 387-398.	0.3	6
57	Updating soil survey maps using random forest and conditioned Latin hypercube sampling in the loess derived soils of northern Iran. Geoderma, 2014, 232-234, 97-106.	2.3	81
58	Mineralogy and Characteristics of Soils Developed on Persian Gulf and Oman Sea Basin, Southern Iran. Soil Science, 2013, 178, 568-584.	0.9	13
59	Soil formation in loess-derived soils along a subhumid to humid climate gradient, Northeastern Iran. Geoderma, 2012, 179-180, 113-122.	2.3	40
60	Comparing the weathering of soil and sedimentary palygorskite in the rhizosphere zone. Applied Clay Science, 2011, 54, 235-241.	2.6	9
61	Pedogenetic investigation of soil degradation on a deforested loess hillslope of Golestan Province, Northern Iran. Geoderma, 2011, 167-168, 274-283.	2.3	26
62	Micromorphology and development of loess-derived surface and buried soils along a precipitation gradient in Northern Iran. Quaternary International, 2011, 234, 109-123.	0.7	69
63	Micromorphology and quality attributes of the loess derived soils affected by land use change: A case study in Ghapan watershed, Northern Iran. Journal of Mountain Science, 2009, 6, 197-204.	0.8	9
64	Role of deforestation and hillslope position on soil quality attributes of loess-derived soils in Golestan province, Iran. Agriculture, Ecosystems and Environment, 2009, 134, 178-189.	2.5	130
65	Relationships of barley biomass and grain yields to soil properties within a field in the arid region: Use of factor analysis. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2009, 59, 107-117.	0.3	18
66	Effect of Soil Moisture Regime and Rice Cultivation on Mineralogical Characteristics of Paddy Soils of Mazandaran Province, Northern Iran, Amol. International Journal of Soil Science, 2008, 3, 138-148.	0.7	14
67	Morphology and Micromorphology of Paddy Soils under Different Soil Moisture Regime and Ground Water Table in Mazandaran Province, Northern Iran, Amol. International Journal of Soil Science, 2008, 3, 149-156.	0.7	7
68	Forms of K as a function of clay mineralogy and soil development. Clay Minerals, 2006, 41, 739-749.	0.2	20
69	Micromorphology of calcitic features in highly calcareous soils of Fars Province, Southern Iran. Geoderma, 2006, 132, 31-46.	2.3	68
70	Late Mesozoicâ€"Cenozoic clay mineral successions of southern Iran and their palaeoclimatic implications. Clay Minerals, 2005, 40, 191-203.	0.2	21
71	Argillic horizon development in calcareous soils of arid and semiarid regions of southern Iran. Catena, 2003, 53, 273-301.	2.2	72
72	Origin and distribution of clay minerals in calcareous arid and semi-arid soils of Fars Province, southern Iran. Clay Minerals, 2003, 38, 511-527.	0.2	123

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73	GENESIS AND MORPHOLOGICAL CHARACTERISTICS OF MOLLISOLS FORMED IN A CATENA UNDER WATER TABLE INFLUENCE IN SOUTHERN IRAN. Communications in Soil Science and Plant Analysis, 2001, 32, 1643-1658.	0.6	19
74	Late Pleistoceneâ€"Holocene pedogenesis and palaeoclimate in western Asia from palaeosols of the Central Iranian Plateau. Boreas, 0, , .	1.2	2
75	Experimental micropedologyâ€"A technique for investigating soil carbonate biogenesis along a desert-grassland-forest transect, New Mexico, USA .. Spanish Journal of Soil Science, 0, 4, .	0.0	6