

Neli Jordanova

List of Publications by Year in descending order

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91
papers

2,412
citations

185998

28
h-index

223531

46
g-index

95
all docs

95
docs citations

95
times ranked

1779
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-field magnetic susceptibility: a proxy method of estimating increased pollution of different environmental systems. <i>Environmental Geology</i> , 2000, 39, 312-318.	1.2	146
2	Magnetic Response of Soils and Vegetation to Heavy Metal Pollution A Case Study. <i>Environmental Science & Technology</i> , 2003, 37, 4417-4424.	4.6	122
3	An ancient continuous human presence in the Balkans and the beginnings of human settlement in western Eurasia: A Lower Pleistocene example of the Lower Palaeolithic levels in Kozarnika cave (North-western Bulgaria). <i>Quaternary International</i> , 2010, 223-224, 94-106.	0.7	94
4	Factors Determining Magnetic Enhancement of Burnt Clay from Archaeological Sites. <i>Journal of Archaeological Science</i> , 2001, 28, 1137-1148.	1.2	86
5	Extended and revised archaeomagnetic database and secular variation curves from Bulgaria for the last eight millennia. <i>Physics of the Earth and Planetary Interiors</i> , 2014, 236, 79-94.	0.7	83
6	Title is missing!. <i>Surveys in Geophysics</i> , 1998, 19, 431-460.	2.1	80
7	Magnetic properties of alluvial soils contaminated with lead, zinc and cadmium. <i>Journal of Applied Geophysics</i> , 2001, 48, 127-136.	0.9	75
8	Updated archeomagnetic data set of the past 8 millennia from the Sofia laboratory, Bulgaria. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	72
9	Title is missing!. <i>Studia Geophysica Et Geodaetica</i> , 2002, 46, 43-57.	0.3	70
10	Application of magnetometry for delineation of anthropogenic pollution in areas covered by various soil types. <i>Geoderma</i> , 2008, 144, 557-571.	2.3	63
11	Effect of different soil conditions on magnetic parameters of power-plant fly ashes. <i>Journal of Applied Geophysics</i> , 2001, 48, 93-102.	0.9	62
12	Magnetic study of Late Pleistocene loess/palaeosol sections from Siberia: palaeoenvironmental implications. <i>Geophysical Journal International</i> , 2001, 147, 367-380.	1.0	61
13	Magnetic stability of power-plant fly ash in different soil solutions. <i>Physics and Chemistry of the Earth</i> , 2000, 25, 431-436.	0.6	60
14	Magnetic susceptibility of road deposited sediments at a national scale – Relation to population size and urban pollution. <i>Environmental Pollution</i> , 2014, 189, 239-251.	3.7	57
15	Industrial contamination of alluvial soils near Fe–Pb mining site revealed by magnetic and geochemical studies. <i>Geoderma</i> , 2013, 192, 237-248.	2.3	56
16	Rock magnetic, mineralogical and microstructural characterization of fly ashes from Bulgarian power plants and the nearby anthropogenic soils. <i>Physics and Chemistry of the Earth</i> , 2004, 29, 1011-1023.	1.2	54
17	Magnetic Study of Weakly Contaminated Forest Soils. <i>Water, Air, and Soil Pollution</i> , 2003, 148, 31-44.	1.1	53
18	Anisotropy of magnetic susceptibility of heated rocks. <i>Tectonophysics</i> , 2003, 366, 241-258.	0.9	45

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19	Magnetic signature of different vegetation species in polluted environment. <i>Studia Geophysica Et Geodaetica</i> , 2010, 54, 417-442.	0.3	41
20	Magnetism of outdoor and indoor settled dust and its utilization as a tool for revealing the effect of elevated particulate air pollution on cardiovascular mortality. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	41
21	Archaeomagnetic dating of archaeological sites from Switzerland and Bulgaria. <i>Journal of Archaeological Science</i> , 2004, 31, 1463-1479.	1.2	40
22	Remanence anisotropy effect on the palaeointensity results obtained from various archaeological materials, excluding pottery. <i>Earth, Planets and Space</i> , 2009, 61, 711-732.	0.9	39
23	Magnetic Characteristics of Different Soil Types from Bulgaria. <i>Studia Geophysica Et Geodaetica</i> , 1999, 43, 303-318.	0.3	38
24	On the suitability of baked clay for archaeomagnetic studies as deduced from detailed rock-magnetic studies. <i>Geophysical Journal International</i> , 2003, 153, 146-158.	1.0	38
25	Magnetic mineralogy and grain-size dependence of hysteresis parameters of single spherules from industrial waste products. <i>Physics of the Earth and Planetary Interiors</i> , 2006, 154, 255-265.	0.7	38
26	Pattern of cumulative soil erosion and redistribution pinpointed through magnetic signature of Chernozem soils. <i>Catena</i> , 2014, 120, 46-56.	2.2	36
27	Archaeomagnetic investigation and dating of Neolithic archaeological site (Kovachevo) from Bulgaria. <i>Physics of the Earth and Planetary Interiors</i> , 2004, 147, 89-102.	0.7	32
28	Soil development of three Chernozem-like profiles from North Bulgaria revealed by magnetic studies. <i>Catena</i> , 2010, 83, 158-169.	2.2	29
29	Preliminary Rock Magnetic Study of Archaeomagnetic Samples from Bulgarian Prehistoric Sites.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1997, 49, 543-566.	0.8	29
30	Rock magnetic properties of recent soils from northeastern Bulgaria. <i>Geophysical Journal International</i> , 1997, 128, 474-488.	1.0	26
31	Rock-magnetic investigation of Siberia loess and its implication. <i>Science Bulletin</i> , 2000, 45, 2192-2198.	1.7	25
32	The emplacement mode of Upper Cretaceous plutons from the southwestern part of the Sredna Gora Zone (Bulgaria): structural and AMS study. <i>Geologica Carpathica</i> , 2009, 60, 15-33.	0.2	24
33	Magnetic parameters of forest top soils in KrkonoÅ¡e mountains, Czech Republic. <i>Physics and Chemistry of the Earth</i> , 2001, 26, 917-ii.	0.6	23
34	Soil magnetic properties in Bulgaria at a national scale – Challenges and benefits. <i>Global and Planetary Change</i> , 2016, 137, 107-122.	1.6	23
35	Advanced mineral magnetic and geochemical investigations of road dusts for assessment of pollution in urban areas near the largest copper smelter in SE Europe. <i>Science of the Total Environment</i> , 2021, 792, 148402.	3.9	23
36	Magnetism of cigarette ashes. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 301, 50-66.	1.0	22

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37	Rock-magnetic and color characteristics of archaeological samples from burnt clay from destructions and ceramics in relation to their firing temperature. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 3595-3612.	0.7	22
38	The dam breakage of Baia Mare – a pilot study of magnetic screening. <i>Physics and Chemistry of the Earth</i> , 2002, 27, 1371-1376.	1.2	21
39	Soil formation and mineralogy of a Rhodic Luvisol – insights from magnetic and geochemical studies. <i>Global and Planetary Change</i> , 2013, 110, 397-413.	1.6	21
40	Soil tillage erosion estimated by using magnetism of soils – a case study from Bulgaria. <i>Environmental Monitoring and Assessment</i> , 2011, 183, 381-394.	1.3	20
41	Emplacement and fabric-forming conditions of plutons from structural and magnetic fabric analysis: A case study of the Plana pluton (Central Bulgaria). <i>Tectonophysics</i> , 2014, 629, 138-154.	0.9	20
42	Thermomagnetic Behavior of Magnetic Susceptibility – Heating Rate and Sample Size Effects. <i>Frontiers in Earth Science</i> , 2016, 3, .	0.8	20
43	Dansgaard – Oeschger-like events of the penultimate climate cycle: the loess point of view. <i>Climate of the Past</i> , 2020, 16, 713-727.	1.3	19
44	A Mineral Magnetic Approach to Determine Paleo – Firing Temperatures in the Neolithic Settlement Site of Mursalevo – Deveboaz (SW Bulgaria). <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 2522-2538.	1.4	18
45	A new contribution to the archaeomagnetic study of a Roman pottery kiln from Calahorra (Spain). <i>Geophysical Journal International</i> , 1995, 123, 931-936.	1.0	17
46	Comparison of in-situ Field Measurements of Soil Magnetic Susceptibility with Laboratory Data. <i>Studia Geophysica Et Geodaetica</i> , 1997, 41, 391-395.	0.3	17
47	Transformations of magnetic mineralogy in rocks revealed by difference of hysteresis loops measured after stepwise heating: theory and case studies. <i>Geophysical Journal International</i> , 2005, 162, 64-78.	1.0	17
48	Magnetic imprints of pedogenesis in Planosols and Stagnic Alisol from Bulgaria. <i>Geoderma</i> , 2011, 160, 477-489.	2.3	16
49	A remarkable Late Saalian (MIS 6) loess (dust) accumulation in the Lower Danube at Harletz (Bulgaria). <i>Quaternary Science Reviews</i> , 2019, 207, 80-100.	1.4	16
50	Temporal changes in magnetic signal of burnt soils – A compelling three years pilot study. <i>Science of the Total Environment</i> , 2019, 669, 729-738.	3.9	15
51	Updating the significance and paleoclimate implications of magnetic susceptibility of Holocene loessic soils. <i>Geoderma</i> , 2021, 391, 114982.	2.3	15
52	Environmental significance of magnetic properties of Gley soils near Rosslau (Germany). <i>Environmental Earth Sciences</i> , 2013, 69, 1719-1732.	1.3	14
53	Wildfire severity: Environmental effects revealed by soil magnetic properties. <i>Land Degradation and Development</i> , 2019, 30, 2226-2242.	1.8	14
54	Magnetic fabric of Bulgarian loess sediments derived by using various sampling techniques. <i>Studia Geophysica Et Geodaetica</i> , 1996, 40, 36-49.	0.3	13

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55	Spinel Solid Solutions in the Li-Fe-Mn-O System. <i>Journal of Solid State Chemistry</i> , 2001, 161, 152-160.	1.4	13
56	Title is missing!. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2001, 247, 685-696.	0.7	13
57	Changes in mean magnetic susceptibility and its anisotropy of rock samples as a result of alternating field demagnetization. <i>Earth and Planetary Science Letters</i> , 2007, 255, 390-401.	1.8	13
58	Relations between the emplacement and fabric-forming conditions of the Kapitan-Dimitriev pluton and the Maritsa shear zone (Central Bulgaria): magnetic and visible fabrics analysis. <i>International Journal of Earth Sciences</i> , 2012, 101, 747-759.	0.9	13
59	Preliminary Study on the Effect of Water Glass Impregnation on the Rock-Magnetic Properties of Baked Clay. <i>Studia Geophysica Et Geodaetica</i> , 2004, 48, 637-646.	0.3	12
60	Diversity and peculiarities of soil formation in eolian landscapes – Insights from the mineral magnetic records. <i>Earth and Planetary Science Letters</i> , 2020, 531, 115956.	1.8	11
61	Strongly magnetic soil developed on a non-magnetic rock basement: A case study from NW Bulgaria. <i>Studia Geophysica Et Geodaetica</i> , 2011, 55, 697-716.	0.3	10
62	The signs of past wildfires encoded in the magnetic properties of forest soils. <i>Catena</i> , 2018, 171, 265-279.	2.2	10
63	Study of cooling rate effect on baked clay materials and its importance for archaeointensity determinations. <i>Physics of the Earth and Planetary Interiors</i> , 2019, 288, 9-25.	0.7	10
64	A detailed magnetic record of Pleistocene climate and distal ash dispersal during the last 800 kyrs - The Suhia Kladenetz quarry loess-paleosol sequence near Pleven (Bulgaria). <i>Global and Planetary Change</i> , 2022, 214, 103840.	1.6	10
65	Paleomagnetism in northwestern Bulgaria: geological implications of widespread remagnetization. <i>Tectonophysics</i> , 2001, 343, 79-92.	0.9	9
66	Soil metal pollution from former Zn-Pb mining assessed by geochemical and magnetic investigations: case study of the Bou Caid area (Tissemsilt, Algeria). <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	9
67	Application of magnetic methods for assessment of soil restoration in the vicinity of metallurgical copper-processing plant in Bulgaria. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 158.	1.3	9
68	Rock-magnetic and geochemical characteristics of relict Vertisols – signs of past climate and recent pedogenic development. <i>Geophysical Journal International</i> , 2016, 205, 1437-1454.	1.0	7
69	Title is missing!. <i>Studia Geophysica Et Geodaetica</i> , 2001, 45, 297-318.	0.3	5
70	Alternating field-impressed AMS in rocks. <i>Geophysical Journal International</i> , 2007, 168, 533-540.	1.0	5
71	Firing temperatures of ceramics from Bulgaria determined by rock-magnetic studies. <i>Journal of Archaeological Science: Reports</i> , 2018, 17, 617-633.	0.2	5
72	Clay source and firing temperatures of Roman ceramics: A case study from Plovdiv, Bulgaria. <i>Geoarchaeology - an International Journal</i> , 2020, 35, 287-309.	0.7	5

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73	Applications of soil magnetism. , 2017, , 395-436.		3
74	Geomagnetic field variations and low success rate of archaeointensity determination experiments for Iron Age sites in Bulgaria. Physics of the Earth and Planetary Interiors, 2021, 320, 106799.	0.7	3
75	The magnetism of soils distinguished by iron/aluminum chemistry. , 2017, , 139-220.		2
76	Magnetism of soils with limitations to root growth. , 2017, , 221-285.		2
77	The magnetism of soils with little or no profile differentiation. , 2017, , 287-330.		2
78	Magnetism of soils from the Antarctic Peninsula. , 2017, , 331-347.		2
79	Identification and Classification of Archeological Materials From Bronze Age Gold Mining Site Ada Tepe (Bulgaria) Using Rock Magnetism. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009374.	1.0	2
80	Holocene palaeoenvironmental conditions in NE Bulgaria uncovered by mineral magnetic and paleomagnetic records of an alluvial soil. Quaternary International, 2022, 631, 47-58.	0.7	2
81	Composite magnetic fabric deciphered using heating treatment. Studia Geophysica Et Geodaetica, 2007, 51, 293-314.	0.3	1
82	Magnetism of materials occurring in the environmentâ€”Basic overview. , 2017, , 1-28.		1
83	Palaeoclimatic Significance of Hematite/Goethite Ratio in Bulgarian Loess-Palaeosol Sediments Deduced by DRS and Rock Magnetic Measurements. , 2011, , 399-412.		1
84	The role of tephra additions on development of incipient soils from Livingston Island (Antarctic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	2.2	1
85	Magnetism of soils with a pronounced accumulation of organic matter in the mineral topsoil. , 2017, , 29-64.		0
86	Magnetism of soils with clay-enriched subsoil. , 2017, , 65-138.		0
87	The mapping of topsoil magnetic properties. , 2017, , 367-393.		0
88	Future challenges in soil magnetism studies. , 2017, , 437-438.		0
89	The discriminating power of soil magnetism for the characterization of different soil types. , 2017, , 349-365.		0
90	Imprints of paleo-environmental conditions and human activities in mineral magnetic properties of fired clay remains from Neolithic houses. Journal of Archaeological Science: Reports, 2020, 33, 102473.	0.2	0

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91	Magnetic Mapping of Weakly Contaminated Areas. , 2011, , 413-425.		0