Nancy Hess

List of Publications by Year
in descending order

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17 papers	1,984 citations	567281 15 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	2749 citing authors

#	Article	IF	Citations
1	Current Understanding of the Use of Alkaline Extractions of Soils to Investigate Soil Organic Matter and Environmental Processes. Journal of Environmental Quality, 2019, 48, 1561-1564.	2.0	13
2	Online supercritical fluid extraction mass spectrometry (SFE-LC-FTMS) for sensitive characterization of soil organic matter. Faraday Discussions, 2019, 218, 157-171.	3.2	6
3	Untargeted metabolomic profiling of Sphagnum fallax reveals novel antimicrobial metabolites. Plant Direct, 2019, 3, e00179.	1.9	55
4	Sequential extraction protocol for organic matter from soils and sediments using high resolution mass spectrometry. Analytica Chimica Acta, 2017, 972, 54-61.	5.4	110
5	Deciphering ocean carbon in a changing world. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3143-3151.	7.1	253
6	Advanced Solvent Based Methods for Molecular Characterization of Soil Organic Matter by High-Resolution Mass Spectrometry. Analytical Chemistry, 2015, 87, 5206-5215.	6.5	167
7	Reaction of water-saturated supercritical CO2 with forsterite: Evidence for magnesite formation at low temperatures. Geochimica Et Cosmochimica Acta, 2012, 91, 271-282.	3.9	97
8	Pore-Scale Study of Transverse Mixing Induced CaCO₃Precipitation and Permeability Reduction in a Model Subsurface Sedimentary System. Environmental Science & Technology, 2010, 44, 7833-7838.	10.0	123
9	The Effects of Chemical Additives on the Induction Phase in Solid-State Thermal Decomposition of Ammonia Borane. Chemistry of Materials, 2008, 20, 5332-5336.	6.7	188
10	Charge distribution and local structure and speciation in the UO2+x and PuO2+x binary oxides for xâ©½0.25. Journal of Solid State Chemistry, 2005, 178, 521-535.	2.9	78
11	Technetium reduction in sediments of a shallow aquifer exhibiting dissimilatory iron reduction potential. FEMS Microbiology Ecology, 2004, 49, 151-162.	2.7	76
12	Higher Order Speciation Effects on Plutonium L3 X-ray Absorption Near Edge Spectra. Inorganic Chemistry, 2004, 43, 116-131.	4.0	131
13	Spectroscopic Investigations of the Structural Phase Transition in Gd2(Ti1-yZry)2O7Pyrochlores. Journal of Physical Chemistry B, 2002, 106, 4663-4677.	2.6	179
14	Heavy-ion irradiation effects in Gd2(Ti2â^'xZrx)O7 pyrochlores. Journal of Nuclear Materials, 2001, 289, 188-193.	2.7	149
15	Heavy-ion irradiation effects on structures and acid dissolution of pyrochlores. Journal of Nuclear Materials, 2001, 288, 208-216.	2.7	111
16	Effect of Electron Donor and Solution Chemistry on Products of Dissimilatory Reduction of Technetium by Shewanella putrefaciens. Applied and Environmental Microbiology, 2000, 66, 2451-2460.	3.1	166
17	EXAFS Studies of Pentavalent Neptunium Carbonato Complexes. Structural Elucidation of the Principal Constituents of Neptunium in Groundwater Environments. Journal of the American Chemical Society, 1996, 118, 2089-2090.	13.7	82