

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	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
2	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
3	Spectroscopic Investigations of the Structural Phase Transition in Gd ₂ (Ti _{1-y} Zr _y) ₂ O ₇ Pyrochlores. Journal of Physical Chemistry B, 2002, 106, 4663-4677.	2.6	179
4	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
5	Effect of Electron Donor and Solution Chemistry on Products of Dissimilatory Reduction of Technetium by <i>Shewanella putrefaciens</i> . Applied and Environmental Microbiology, 2000, 66, 2451-2460.	3.1	166
6	Heavy-ion irradiation effects in Gd ₂ (Ti _{2-x} Zr _x)O ₇ pyrochlores. Journal of Nuclear Materials, 2001, 289, 188-193.	2.7	149
7	Higher Order Speciation Effects on Plutonium L ₃ X-ray Absorption Near Edge Spectra. Inorganic Chemistry, 2004, 43, 116-131.	4.0	131
8	Pore-Scale Study of Transverse Mixing Induced CaCO ₃ Precipitation and Permeability Reduction in a Model Subsurface Sedimentary System. Environmental Science & Technology, 2010, 44, 7833-7838.	10.0	123
9	Heavy-ion irradiation effects on structures and acid dissolution of pyrochlores. Journal of Nuclear Materials, 2001, 288, 208-216.	2.7	111
10	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
11	Reaction of water-saturated supercritical CO ₂ with forsterite: Evidence for magnesite formation at low temperatures. Geochimica Et Cosmochimica Acta, 2012, 91, 271-282.	3.9	97
12	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
13	Charge distribution and local structure and speciation in the UO _{2+x} and PuO _{2+x} binary oxides for x ≈ 0.25. Journal of Solid State Chemistry, 2005, 178, 521-535.	2.9	78
14	Technetium reduction in sediments of a shallow aquifer exhibiting dissimilatory iron reduction potential. FEMS Microbiology Ecology, 2004, 49, 151-162.	2.7	76
15	Untargeted metabolomic profiling of <i>Sphagnum fallax</i> reveals novel antimicrobial metabolites. Plant Direct, 2019, 3, e00179.	1.9	55
16	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
17	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