Hongling Bu

List of Publications by Year
in descending order

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30 papers	1,964 citations	516710 16 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	2435 citing authors

#	Article	IF	Citations
1	Functionalization of Halloysite Clay Nanotubes by Grafting with Î³-Aminopropyltriethoxysilane. Journal of Physical Chemistry C, 2008, 112, 15742-15751.	3.1	827
2	Organoclays prepared from montmorillonites with different cation exchange capacity and surfactant configuration. Applied Clay Science, 2010, 48, 67-72.	5.2	226
3	XRD-based quantitative analysis of clay minerals using reference intensity ratios, mineral intensity factors, Rietveld, and full pattern summation methods: A critical review. Solid Earth Sciences, 2018, 3, 16-29.	1.7	193
4	The composition, pore structure characterization and deformation mechanism of coal-bearing shales from tectonically altered coalfields in eastern China. Fuel, 2018, 234, 626-642.	6.4	114
5	Effects of complexation between organic matter (OM) and clay mineral on OM pyrolysis. Geochimica Et Cosmochimica Acta, 2017, 212, 1-15.	3.9	78
6	China organic-rich shale geologic features and special shale gas production issues. Journal of Rock Mechanics and Geotechnical Engineering, 2014, 6, 196-207.	8.1	55
7	Methane hydrate formation in the stacking of kaolinite particles with different surface contacts as nanoreactors: A molecular dynamics simulation study. Applied Clay Science, 2020, 186, 105439.	5.2	49
8	Thermal degradation of organic matter in the interlayer clayâ€“organic complex: A TG-FTIR study on a montmorillonite/12-aminolauric acid system. Applied Clay Science, 2013, 80-81, 398-406.	5.2	48
9	Role of the interlayer space of montmorillonite in hydrocarbon generation: An experimental study based on high temperatureâ€“pressure pyrolysis. Applied Clay Science, 2013, 75-76, 82-91.	5.2	41
10	Multi-scale multi-dimensional characterization of clay-hosted pore networks of shale using FIBSEM, TEM, and X-ray micro-tomography: Implications for methane storage and migration. Applied Clay Science, 2021, 213, 106239.	5.2	34
11	Effect of Cations (Na⁺, K⁺, and Ca²⁺) on Methane Hydrate Formation on the External Surface of Montmorillonite: Insights from Molecular Dynamics Simulation. ACS Earth and Space Chemistry, 2020, 4, 572-582.	2.7	32
12	Coal-Bearing Organic Shale Geological Evaluation of Huainanâ€“Huaibei Coalfield, China. Energy & Fuels, 2014, 28, 5031-5042.	5.1	31
13	Pyrolysis behaviors of organic matter (OM) with the same alkyl main chain but different functional groups in the presence of clay minerals. Applied Clay Science, 2018, 153, 205-216.	5.2	27
14	Formation of macromolecules with peptide bonds via the thermal evolution of amino acids in the presence of montmorillonite: Insight into prebiotic geochemistry on the early Earth. Chemical Geology, 2019, 510, 72-83.	3.3	23
15	Shale composition and pore structure variations in the progradation direction: A case study of transitional shales in the Xu-Huai district, southern North China. Journal of Natural Gas Science and Engineering, 2016, 36, 1178-1187.	4.4	21
16	Facile sample preparation method allowing TEM characterization of the stacking structures and interlayer spaces of clay minerals. Applied Clay Science, 2019, 171, 1-5.	5.2	21
17	Ethylene glycol monoethyl ether (EGME) adsorption by organic matter (OM)-clay complexes: Dependence on the OM Type. Applied Clay Science, 2019, 168, 340-347.	5.2	15
18	Dynamic benzene adsorption performance of microporous TMA+-exchanged montmorillonite: The role of TMA+ cations. Microporous and Mesoporous Materials, 2020, 296, 109994.	4.4	15

#	Article	IF	Citations
19	Studies on the solid acidity of heated and cation-exchanged montmorillonite using n-butylamine titration in non-aqueous system and diffuse reflectance Fourier transform infrared (DRIFT) spectroscopy. Physics and Chemistry of Minerals, 2013, 40, 479-489.	0.8	13
20	Thermal decomposition of long-chain fatty acids and its derivative in the presence of montmorillonite. Journal of Thermal Analysis and Calorimetry, 2017, 128, 1661-1669.	3.6	12
21	Ethylene glycol monoethyl ether adsorption by interlayer montmorilonite-organic matter complexes: Dependence on the organic matter content and its alkyl chain length. Applied Clay Science, 2019, 180, 105190.	5.2	12
22	Sorption/desorption of Eu(III) on halloysite and kaolinite. Applied Clay Science, 2022, 216, 106356.	5.2	12
23	Effects of Fe(II)-induced transformation of scorodite on arsenic solubility. Journal of Hazardous Materials, 2022, 429, 128274.	12.4	12
24	Insight into cyanobacterial preservation in shallow marine environments from experimental simulation of cyanobacteria-clay co-aggregation. Chemical Geology, 2021, 577, 120285.	3.3	10
25	Adsorption of cadmium on clay-organic associations in different pH solutions: The effect of amphoteric organic matter. Ecotoxicology and Environmental Safety, 2022, 236, 113509.	6.0	10
26	Quantitative assessments of organic matter uncoupling from clay surfaces in presence of salinity. Applied Clay Science, 2020, 188, 105532.	5.2	9
27	Effects of Environmental Fe Concentrations on Formation and Evolution of Allophane in Alâ€Siâ€Fe Systems: Implications for Both Earth and Mars. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006590.	3.6	8
28	Fractionation of natural algal organic matter and its preservation on the surfaces of clay minerals. Applied Clay Science, 2021, 213, 106235.	5.2	8
29	Effects of montmorillonite charge reduction on the high-temperature/high-pressure pyrolysis of organic matter. Applied Clay Science, 2021, 213, 106243.	5.2	6
30	Enhancement of diatomite solid acidity by Al incorporation, as evaluated by the catalytic effects on the thermal decomposition of 12-aminolauric acid. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 509, 190-194.	4.7	2