

Hongling Bu

List of Publications by Year in descending order

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30
papers

1,964
citations

516561

16
h-index

454834

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 γ -Aminopropyltriethoxysilane. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15742-15751.	1.5	827
2	Organoclays prepared from montmorillonites with different cation exchange capacity and surfactant configuration. <i>Applied Clay Science</i> , 2010, 48, 67-72.	2.6	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. <i>Solid Earth Sciences</i> , 2018, 3, 16-29.	0.8	193
4	The composition, pore structure characterization and deformation mechanism of coal-bearing shales from tectonically altered coalfields in eastern China. <i>Fuel</i> , 2018, 234, 626-642.	3.4	114
5	Effects of complexation between organic matter (OM) and clay mineral on OM pyrolysis. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 212, 1-15.	1.6	78
6	China organic-rich shale geologic features and special shale gas production issues. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2014, 6, 196-207.	3.7	55
7	Methane hydrate formation in the stacking of kaolinite particles with different surface contacts as nanoreactors: A molecular dynamics simulation study. <i>Applied Clay Science</i> , 2020, 186, 105439.	2.6	49
8	Thermal degradation of organic matter in the interlayer clay-organic complex: A TG-FTIR study on a montmorillonite/12-aminolauric acid system. <i>Applied Clay Science</i> , 2013, 80-81, 398-406.	2.6	48
9	Role of the interlayer space of montmorillonite in hydrocarbon generation: An experimental study based on high temperature-pressure pyrolysis. <i>Applied Clay Science</i> , 2013, 75-76, 82-91.	2.6	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. <i>Applied Clay Science</i> , 2021, 213, 106239.	2.6	34
11	Effect of Cations (Na^+ , K^+ , and Ca^{2+}) on Methane Hydrate Formation on the External Surface of Montmorillonite: Insights from Molecular Dynamics Simulation. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 572-582.	1.2	32
12	Coal-Bearing Organic Shale Geological Evaluation of Huainan-HuaiBei Coalfield, China. <i>Energy & Fuels</i> , 2014, 28, 5031-5042.	2.5	31
13	Pyrolysis behaviors of organic matter (OM) with the same alkyl main chain but different functional groups in the presence of clay minerals. <i>Applied Clay Science</i> , 2018, 153, 205-216.	2.6	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. <i>Chemical Geology</i> , 2019, 510, 72-83.	1.4	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. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 36, 1178-1187.	2.1	21
16	Facile sample preparation method allowing TEM characterization of the stacking structures and interlayer spaces of clay minerals. <i>Applied Clay Science</i> , 2019, 171, 1-5.	2.6	21
17	Ethylene glycol monoethyl ether (EGME) adsorption by organic matter (OM)-clay complexes: Dependence on the OM Type. <i>Applied Clay Science</i> , 2019, 168, 340-347.	2.6	15
18	Dynamic benzene adsorption performance of microporous TMA ⁺ -exchanged montmorillonite: The role of TMA ⁺ cations. <i>Microporous and Mesoporous Materials</i> , 2020, 296, 109994.	2.2	15

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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. <i>Physics and Chemistry of Minerals</i> , 2013, 40, 479-489.	0.3	13
20	Thermal decomposition of long-chain fatty acids and its derivative in the presence of montmorillonite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 1661-1669.	2.0	12
21	Ethylene glycol monoethyl ether adsorption by interlayer montmorillonite-organic matter complexes: Dependence on the organic matter content and its alkyl chain length. <i>Applied Clay Science</i> , 2019, 180, 105190.	2.6	12
22	Sorption/desorption of Eu(III) on halloysite and kaolinite. <i>Applied Clay Science</i> , 2022, 216, 106356.	2.6	12
23	Effects of Fe(II)-induced transformation of scorodite on arsenic solubility. <i>Journal of Hazardous Materials</i> , 2022, 429, 128274.	6.5	12
24	Insight into cyanobacterial preservation in shallow marine environments from experimental simulation of cyanobacteria-clay co-aggregation. <i>Chemical Geology</i> , 2021, 577, 120285.	1.4	10
25	Adsorption of cadmium on clay-organic associations in different pH solutions: The effect of amphoteric organic matter. <i>Ecotoxicology and Environmental Safety</i> , 2022, 236, 113509.	2.9	10
26	Quantitative assessments of organic matter uncoupling from clay surfaces in presence of salinity. <i>Applied Clay Science</i> , 2020, 188, 105532.	2.6	9
27	Effects of Environmental Fe Concentrations on Formation and Evolution of Allophane in Al-Fe Systems: Implications for Both Earth and Mars. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006590.	1.5	8
28	Fractionation of natural algal organic matter and its preservation on the surfaces of clay minerals. <i>Applied Clay Science</i> , 2021, 213, 106235.	2.6	8
29	Effects of montmorillonite charge reduction on the high-temperature/high-pressure pyrolysis of organic matter. <i>Applied Clay Science</i> , 2021, 213, 106243.	2.6	6
30	Enhancement of diatomite solid acidity by Al incorporation, as evaluated by the catalytic effects on the thermal decomposition of 12-aminolauric acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 509, 190-194.	2.3	2