

The role of structure defects in the deformation of anthracene macromolecular structure

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The impacts of stress on the chemical structure of coals: a mini-review based on the recent development of mechanochemistry. <i>Science Bulletin</i> , 2017, 62, 965-970.	4.3	47
2	Mechanisms of methane generation from anthracite at low temperatures: Insights from quantum chemistry calculations. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18922-18929.	3.8	20
3	Structural Characteristics of Deformed Coals with Different Deformation Degrees and Their Effects on Gas Adsorption. <i>Energy & Fuels</i> , 2017, 31, 13374-13381.	2.5	34
4	A study of the relationships between coal structures and combustion characteristics: The insights from micro-Raman spectroscopy based on 32 kinds of Chinese coals. <i>Applied Energy</i> , 2018, 212, 46-56.	5.1	102
5	Changes in the anisotropic permeability of low-rank coal under varying effective stress in Fukang mining area, China. <i>Fuel</i> , 2018, 234, 1481-1497.	3.4	74
6	Macromolecular response to tectonic deformation in low-rank tectonically deformed coals (TDCs). <i>Fuel</i> , 2018, 219, 279-287.	3.4	39
7	The evolutionary characteristics and mechanisms of coal chemical structure in micro deformed domains under sub-high temperatures and high pressures. <i>Fuel</i> , 2018, 222, 258-268.	3.4	26
8	Petrographic and Raman spectroscopic characterization of coal from Himalayan fold-thrust belts of Sikkim, India. <i>International Journal of Coal Geology</i> , 2018, 196, 246-259.	1.9	17
9	Microcrystalline Characterization and Morphological Structure of Tectonic Anthracite Using XRD, Liquid Nitrogen Adsorption, Mercury Porosimetry, and Micro-CT. <i>Energy & Fuels</i> , 2019, 33, 10844-10851.	2.5	37
10	Stress response of noncovalent bonds in molecular networks of tectonically deformed coals. <i>Fuel</i> , 2019, 255, 115785.	3.4	15
11	Study of Cu-Ni-Ca Composite Catalysts in Catalytic Hydrogasification of Char. <i>Energy & Fuels</i> , 2019, 33, 9661-9670.	2.5	6
12	Mechanolytic mechanisms of the fused aromatic rings of anthracite coal under shear stress. <i>Fuel</i> , 2019, 253, 1247-1255.	3.4	33
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14	Insight into the macromolecular structural differences between hard coal and deformed soft coal. <i>Fuel</i> , 2019, 245, 188-197.	3.4	102
15	Microstructure of Coal before and after Gas-Dynamic Phenomena. <i>Journal of Mining Science</i> , 2019, 55, 701-707.	0.1	5
16	Mesozoic tectonic regime and evolution of eastern China: A mini-review based on the recent development. <i>Solid Earth Sciences</i> , 2019, 4, 159-165.	0.8	11
17	Impact of tectonic deformation on coal methane adsorption capacity. <i>Adsorption Science and Technology</i> , 2019, 37, 698-708.	1.5	9
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20	Geological Control of Fold Structure on Gas Occurrence and Its Implication for Coalbed Gas Outburst: Case Study in the Qinan Coal Mine, Huaibei Coalfield, China. <i>Natural Resources Research</i> , 2020, 29, 1375-1395.	2.2	24
21	Macromolecular structural response of Wender coal under tensile stress via molecular dynamics. <i>Fuel</i> , 2020, 265, 116938.	3.4	16
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38	Specific Features of the Structure of Various Coal Ranks at the Nano Level. Herald of the Bauman Moscow State Technical University, Series Natural Sciences, 2020, , 80-92.	0.2	0
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