

- Significance of analytical particle size in low-pressure N₂ and CO₂ adsorption of coal and shale. *International Journal of Coal Geology*, 178: 122-131. <https://doi.org/10.1016/j.coal.2017.05.003>
- [20] Hazra, B., Wood, D.A., Vishal, V. (2018). Pore characteristics of distinct thermally mature shales: influence of particle size on low-pressure CO₂ and N₂ adsorption. *Energy Fuel*, 32(8): 8175-8186. <https://doi.org/10.1021/acs.energyfuels.8b01439>
- [21] Sentharamaikkannan, G., Gates, I., Prasad, V. (2016). Development of a multiscale microbial kinetics coupled gas transport model for the simulation of biogenic coalbed methane production. *Fuel*, 167: 188-198. <https://doi.org/10.1016/j.fuel.2015.11.038>
- [22] Liu, J., Fokker, P.A., Spiers, C.J. (2017). Coupling of swelling, internal stress evolution, and diffusion in coal matrix material during exposure to methane. *Journal of Geophysical Research. Solid Earth*, 122: 844-865. <https://doi.org/10.1002/2016JB013322>
- [23] Zhao, F.J., Chen, X.X., Liu, M.J. (2016). Comparison of methane adsorption and diffusion characteristics in soft and hard coal. *Coal Geology & Exploration*, 44(4): 59-63. <https://doi.org/10.3969/j.issn.1001-1986.2016.04.011>
- [24] Zhao, J.J., Tang, D.Z., Xu, H. (2016). Measurement of methane diffusion coefficient and analysis of its influencing factors in coal matrix. *Coal Science and Technology*, 44(10): 77-82,145. <https://doi.org/10.13199/j.cnki.cst.2016.10.015>
- [25] Wang, B.J., Zhang, L.N., Ling, L.X. (2016). Effects of coal molecular structure on adsorption and diffusion behaviors of coalbed methane. *Journal of Chemical Industry and Engineering*, 67(6): 2548-2558. <https://doi.org/10.11949/j.issn.0438-1157.20151780>
- [26] Fu, X.H., Qin, Y., Zhang, W.H. (2003). Coupling correlation between high-rank coal matrix mechanic effect and coal reservoir permeability. *Geological Journal of China Universities*, 9(3): 373-377. <https://doi.org/10.3969/j.issn.1006-7493.2003.03.005>
- [27] Li, X.C., Li, Z.B., Zhang, L., Gao, J.X., Nie, B.S., Meng Y.Y. (2018). Pore structure characterization of various rank coals and its effect on gas desorption and diffusion. *Journal of China Coal Society*. <https://doi.org/10.13225/j.cnki.jccs.2018.1374>