

Ashani Savinda Ranathunga

List of Publications by Year in descending order

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18
papers

831
citations

567281

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839539

18
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18
all docs

18
docs citations

18
times ranked

685
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of CO ₂ -Enhanced Oil Recovery with a Simulated Sensitivity Analysis. <i>Energies</i> , 2016, 9, 481.	3.1	127
2	Gas Transportation and Enhanced Coalbed Methane Recovery Processes in Deep Coal Seams: A Review. <i>Energy & Fuels</i> , 2016, 30, 8832-8849.	5.1	114
3	An experimental investigation of applicability of CO ₂ enhanced coal bed methane recovery to low rank coal. <i>Fuel</i> , 2017, 189, 391-399.	6.4	82
4	Super-critical CO ₂ saturation-induced mechanical property alterations in low rank coal: An experimental study. <i>Journal of Supercritical Fluids</i> , 2016, 109, 134-140.	3.2	80
5	Influence of CO ₂ adsorption on the strength and elastic modulus of low rank Australian coal under confining pressure. <i>International Journal of Coal Geology</i> , 2016, 167, 148-156.	5.0	61
6	Deep coal seams as a greener energy source: a review. <i>Journal of Geophysics and Engineering</i> , 2014, 11, 063001.	1.4	59
7	A macro-scale experimental study of sub- and super-critical CO ₂ flow behaviour in Victorian brown coal. <i>Fuel</i> , 2015, 158, 864-873.	6.4	42
8	Experimental investigation of the influence of CO ₂ and water adsorption on mechanics of coal under confining pressure. <i>International Journal of Coal Geology</i> , 2019, 209, 117-129.	5.0	39
9	A macro-scale view of the influence of effective stress on carbon dioxide flow behaviour in coal: an experimental study. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2017, 3, 13-28.	2.9	38
10	Effect of Coal Rank on CO ₂ Adsorption Induced Coal Matrix Swelling with Different CO ₂ Properties and Reservoir Depths. <i>Energy & Fuels</i> , 2017, 31, 5297-5305.	5.1	36
11	Variation of mechanical properties of bituminous coal under CO ₂ and H ₂ O saturation. <i>Journal of Natural Gas Science and Engineering</i> , 2019, 61, 158-168.	4.4	32
12	Optimization of enhanced coal-bed methane recovery using numerical simulation. <i>Journal of Geophysics and Engineering</i> , 2015, 12, 90-107.	1.4	30
13	Effect of Coal Rank on Various Fluid Saturations Creating Mechanical Property Alterations Using Australian Coals. <i>Energies</i> , 2016, 9, 440.	3.1	26
14	Effects of Water and Brine Saturation on Mechanical Property Alterations of Brown Coal. <i>Energies</i> , 2018, 11, 1116.	3.1	18
15	An experimental investigation of coupled chemico-mineralogical and mechanical changes in variably-cemented sandstones upon CO ₂ injection in deep saline aquifer environments. <i>Energy</i> , 2017, 133, 404-414.	8.8	17
16	The influence of CO ₂ saturation time on the coal gas flow: Fractured bituminous coal. <i>Fuel</i> , 2019, 240, 153-161.	6.4	14
17	Sub- and super-critical carbon dioxide flow variations in large high-rank coal specimen: An experimental study. <i>Energy</i> , 2019, 181, 148-161.	8.8	11
18	Investigation of relative flow characteristics of brine-saturated reservoir formation: A numerical study of the Hawkesbury formation. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 45, 609-624.	4.4	5