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Publisher	Journal	Year	Article Title	Authors	DOI	IF
Springer	Water, Air, & Soil Pollution	2025	Chitosan-integrated Ionic Liquid Solutions for Advanced Carbon Capture: Preparation and Performance Optimization	M Shahinuzzaman, MS Jamal, MS Islam, AK Biswas, Mosharof Hossain*	https://doi.org/10.1007/s11270-025-07867-6	3.8
Elsevier (SSRN)	Energy (Under Review)	2025	Techno-Economic Analysis and Life Cycle Assessment of Energy Storage Technologies: A Comprehensive Review.	Mohammad Forrukh Hossain Khan*, Arup Kumar Biswas, Shaik Muntasir Shovon, Faysal Ahamed Akash, Md. Abdur Rahman, Istiak Ahmed, SM Naushin Israr, Wahida Rahman and Tauhid Islam Leon	http://dx.doi.org/10.2139/ssrn.5133247	9.0
Elsevier	Cleaner Engineering and Technology	2024	Innovative pathways to sustainable energy: Advancements in clean coal technologies in Bangladesh - A review	Faysal Ahamed Akash, Shaik Muntasir Shovon, Md Abdur Rahman, Wahida Rahman, Prosenjeet Chakraborty, Md Nazwanul Haque, Minhaj Uddin Monir*, Md Ahosan Habib, Arup Kumar Biswas, Shahariar Chowdhury, Mohammad Forrukh Hossain Khan, Tofan Agung Eka Prasetya	https://doi.org/10.1016/j.clet.2024.100805	5.3
Elsevier (SSRN)	Proceedings of the Energy Conference 2023: National and Global Issues (ENCON23)	2024	Predictive Model of Water Saturation by Coupling Geophysical Log Data and Machine Learning	Mohammad Islam Miah*, Arup Kumar Biswas and Md. Nazmul Haque	http://dx.doi.org/10.2139/ssrn.4977249	
UTHM, Malaysia	International Journal of Integrated Engineering (IJIE)	2024	Assessing Potentiality of Underground Coal Gasification for the Coalfields of Bangladesh	AK Biswas, M Wae-hayee*, K Techato, K Phoungthong, MFM Batcha	https://doi.org/10.30880/ijie.2024.16.01.001	0.4

Elsevier	Heliyon	2023	An analytical investigation of critical factors to prioritize coalfields for Underground Coal Gasification – Bangladesh case	Arup Kumar Biswas*, Md. Rafiqul Islam and Md. Ahosan Habib	https://doi.org/10.1016/j.heliyon.2023.e18416	3.4
Elsevier	Waste Management Bulletin		Conversion of Municipal Solid Waste to Green Energy: Numerical Studies	M. Nazim Uddin, Md. Abdus Salam, Arup Kumar Biswas, Badrul Amin Khan, Abu Yousuf and M. Rakib Uddin*	https://doi.org/10.1016/j.wmb.2025.100211	7.1
Springer	Journal of Thermal Analysis and Calorimetry		Co-firing of bituminous coal and wood sawdust for sustainable energy potentially: A case study of Barapukuria coal	Minhaj Uddin Monir*, Arup Kumar Biswas, Faysal Ahmed Akash, Shaik Muntasir Shovon, Priyanka Saha, Md. Ahosan Habib and Badrul Amin Khan	Under Review (status updated in 31-08-2024)	3.0
IEEE	IEEE Xplore	2025	Robust Computational Model Development for Permeability Prediction By Coupling Petrophysical Log Data and Extended Genetic Algorithm	Mohammad Islam Miah; Md Maruf Alam; Badrul Amin Khan; Md. Nazmul Haque; Arup Kumar Biswas	https://doi.org/10.1109/ECCE64574.2025.11012941	