

# Dibyendu Roy

## List of Publications by Year in descending order

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17  
papers

392  
citations

1051969

10  
h-index

1051228

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

329  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and multiobjective optimization of a novel trigeneration system based on biomass energy. Energy Conversion and Management, 2021, 240, 114248.	4.4	18
2	Performance Assessment of a Steam Gasification-Based Hybrid Cogeneration System. Lecture Notes in Mechanical Engineering, 2021, , 297-306.	0.3	0
3	Performance evaluation of a novel biomass-based hybrid energy system employing optimisation and multi-criteria decision-making techniques. Sustainable Energy Technologies and Assessments, 2020, 42, 100861.	1.7	14
4	Process modeling and optimization for biomass steam-gasification employing response surface methodology. Biomass and Bioenergy, 2020, 143, 105847.	2.9	46
5	Performance optimization through response surface methodology of an integrated biomass gasification based combined heat and power plant employing solid oxide fuel cell and externally fired gas turbine. Energy Conversion and Management, 2020, 222, 113182.	4.4	58
6	Performance assessment of a biomass-fuelled distributed hybrid energy system integrating molten carbonate fuel cell, externally fired gas turbine and supercritical carbon dioxide cycle. Energy Conversion and Management, 2020, 211, 112740.	4.4	55
7	Performance assessment of a biomass fuelled advanced hybrid power generation system. Renewable Energy, 2020, 162, 639-661.	4.3	28
8	Proton conducting reversible SOFC integrated in a solar thermal power generation system. Journal of Physics: Conference Series, 2019, 1240, 012112.	0.3	2
9	Thermo-economic assessment of biomass gasification-based power generation system consists of solid oxide fuel cell, supercritical carbon dioxide cycle and indirectly heated air turbine. Clean Technologies and Environmental Policy, 2019, 21, 827-845.	2.1	26
10	Energetic, exergetic and economic (3E) investigation of biomass gasification-based power generation system employing molten carbonate fuel cell (MCFC), indirectly heated air turbine and an organic Rankine cycle. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	14
11	Energetic and Exergetic Analyses of a Solid Oxide Fuel Cell (SOFC) Module Coupled with an Organic Rankine Cycle. Lecture Notes in Mechanical Engineering, 2019, , 13-24.	0.3	1
12	Techno-economic and environmental analyses of a biomass based system employing solid oxide fuel cell, externally fired gas turbine and organic Rankine cycle. Journal of Cleaner Production, 2019, 225, 36-57.	4.6	89
13	Reversible Solid Oxide Fuel Cell Connected to Solar PV/T System: Cell Electrochemical Modelling and Analysis. IOP Conference Series: Materials Science and Engineering, 2018, 377, 012077.	0.3	4
14	Thermodynamic analysis of a biomass based solid oxide fuel cell integrated advanced power generation system. IOP Conference Series: Materials Science and Engineering, 2018, 377, 012210.	0.3	3
15	Energy and exergy analyses of an integrated biomass gasification combined cycle employing solid oxide fuel cell and organic Rankine cycle. Clean Technologies and Environmental Policy, 2017, 19, 1693-1709.	2.1	24
16	Thermodynamic assessment of TEG-ORC combined cycle powered by solar energy. International Journal of Renewable Energy Technology, 2017, 8, 346.	0.2	2
17	Comparative energetic and exergetic studies of vapour compression and vapour absorption refrigeration cycles. International Journal of Renewable Energy Technology, 2017, 8, 222.	0.2	8