Subhes C Bhattacharyya

List of Publications by Year
in descending order

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138 papers	3,821 citations	159525 30 h-index	138417 58 g-index
167 all docs	167 docs citations	167 times ranked	3224 citing authors

#	Article	IF	Citations
1	Off-grid electricity generation with renewable energy technologies inÂIndia: An application of HOMER. Renewable Energy, 2014, 62, 388-398.	4.3	477
2	A review of energy system models. International Journal of Energy Sector Management, 2010, 4, 494-518.	1.2	253
3	Energy access programmes and sustainable development: A critical review and analysis. Energy for Sustainable Development, 2012, 16, 260-271.	2.0	237
4	Energy access problem of the poor in India: Is rural electrification a remedy?. Energy Policy, 2006, 34, 3387-3397.	4.2	219
5	Sustainable Energy Development Index: A multi-dimensional indicator for measuring sustainable energy development. Renewable and Sustainable Energy Reviews, 2015, 50, 513-530.	8.2	203
6	Energy Economics. , 2011, , .		138
7	Mini-grid based off-grid electrification to enhance electricity access in developing countries: What policies may be required?. Energy Policy, 2016, 94, 166-178.	4.2	137
8	Review of alternative methodologies for analysing off-grid electricity supply. Renewable and Sustainable Energy Reviews, 2012, 16, 677-694.	8.2	131
9	Financing energy access and off-grid electrification: A review of status, options and challenges. Renewable and Sustainable Energy Reviews, 2013, 20, 462-472.	8.2	111
10	Mini-grid based electrification in Bangladesh: Technical configuration and business analysis. Renewable Energy, 2015, 75, 745-761.	4.3	98
11	Modelling energy demand of developing countries: Are the specific features adequately captured?. Energy Policy, 2010, 38, 1979-1990.	4.2	95
12	Applied general equilibrium models for energy studies: a survey. Energy Economics, 1996, 18, 145-164.	5.6	94
13	Energy Demand Models For Policy Formulation: A Comparative Study Of Energy Demand Models. Policy Research Working Papers, 2009, , .	1.4	93
14	Analysis of off-grid electricity system at Isle of Eigg (Scotland): Lessons for developing countries. Renewable Energy, 2015, 81, 578-588.	4.3	91
15	Changes in the GHG emission intensity in EU-15: Lessons from a decomposition analysis. Energy, 2010, 35, 3315-3322.	4.5	82
16	Viability of off-grid electricity supply using rice husk: A case study from South Asia. Biomass and Bioenergy, 2014, 68, 44-54.	2.9	74
17	Decomposition of energy and CO2 intensities of Thai industry between 1981 and 2000. Energy Economics, 2004, 26, 765-781.	5.6	72
18	Power sector reform in South Asia: Why slow and limited so far?. Energy Policy, 2007, 35, 317-332.	4.2	67

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19	The Chinese electricity access model for rural electrification: Approach, experience and lessons for others. Energy Policy, 2012, 49, 676-687.	4.2	62
20	Fossil-fuel dependence and vulnerability of electricity generation: Case of selected European countries. Energy Policy, 2009, 37, 2411-2420.	4.2	51
21	Shaping a sustainable energy future for India: Management challenges. Energy Policy, 2010, 38, 4173-4185.	4.2	51
22	The Electricity Act 2003: will it transform the Indian power sector?. Utilities Policy, 2005, 13, 260-272.	2.1	47
23	Influence of Indiaâ€™s transformation on residential energy demand. Applied Energy, 2015, 143, 228-237.	5.1	45
24	Renewable energies and the poor: niche or nexus?. Energy Policy, 2006, 34, 659-663.	4.2	44
25	Effect of Technology Change on $$hbox {CO}_{2}$$ CO 2 Emissions in Japanâ€™s Industrial Sectors in the Period 1995â€“2005: An Inputâ€“Output Structural Decomposition Analysis. Environmental and Resource Economics, 2015, 61, 165-189.	1.5	42
26	Decentralized Renewable Hybrid Mini-Grids for Sustainable Electrification of the Off-Grid Coastal Areas of Bangladesh. Energies, 2016, 9, 268.	1.6	42
27	Access to energy services by the poor in India: Current situation and need for alternative strategies. Natural Resources Forum, 2006, 30, 2-14.	1.8	37
28	Domestic demand for petroleum products in MENA countries. Energy Policy, 2009, 37, 1552-1560.	4.2	36
29	Mini-Grids for the Base of the Pyramid Market: A Critical Review. Energies, 2018, 11, 813.	1.6	36
30	Integration of wind power into the British system in 2020. Energy, 2011, 36, 5975-5983.	4.5	35
31	Solar PV mini-grids versus large-scale embedded PV generation: A case study of Uttar Pradesh (India). Energy Policy, 2019, 128, 36-44.	4.2	33
32	To regulate or not to regulate off-grid electricity access in developing countries. Energy Policy, 2013, 63, 494-503.	4.2	32
33	Sustainability of community-owned mini-grids: evidence from India. Energy, Sustainability and Society, 2019, 9, .	1.7	32
34	An overview of problems and prospects for the Indian power sector. Energy, 1994, 19, 795-803.	4.5	30
35	Changes in energy intensities of Thai industry between 1981 and 2000: a decomposition analysis. Energy Policy, 2005, 33, 995-1002.	4.2	29
36	Electricity capacity expansion in Thailand: An analysis of gas dependence and fuel import reliance. Energy, 2008, 33, 712-723.	4.5	26

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37	Analysis of oil export dependency of MENA countries: Drivers, trends and prospects. Energy Policy, 2010, 38, 1098-1107.	4.2	26
38	High gas dependence for power generation in Thailand: The vulnerability analysis. Energy Policy, 2007, 35, 3335-3346.	4.2	25
39	Are the off-grid customers ready to pay for electricity from the decentralized renewable hybrid mini-grids? A study of willingness to pay in rural Bangladesh. Energy, 2017, 139, 433-446.	4.5	24
40	Sustainability of power sector reform in India: what does recent experience suggest?. Journal of Cleaner Production, 2007, 15, 235-246.	4.6	22
41	Off-grid electricity interventions for cleaner livelihoods: A case study of value chain development in Dhenkanal district of Odisha. Journal of Cleaner Production, 2017, 142, 191-202.	4.6	22
42	Emerging regulatory challenges facing the Indian rural electrification programme. Energy Policy, 2009, 37, 68-79.	4.2	20
43	Energy sector management issues: an overview. International Journal of Energy Sector Management, 2007, 1, 13-33.	1.2	17
44	Ghana×³s bioenergy policy: Is 20% biofuel integration achievable by 2030?. Renewable and Sustainable Energy Reviews, 2015, 43, 32-39.	8.2	17
45	Short-term electric load forecasting using an artificial neural network: case of Northern Vietnam. International Journal of Energy Research, 2004, 28, 463-472.	2.2	16
46	Expanding electricity capacity in Thailand to meet the twin challenges of supply security and environmental protection. Energy Policy, 2008, 36, 2265-2278.	4.2	15
47	Changes in energy demand in Thai industry between 1981 and 2000. Energy, 2005, 30, 1845-1857.	4.5	13
48	A Conceptual Framework for Vulnerability Assessment of Climate Change Impact on Critical Oil and Gas Infrastructure in the Niger Delta. Climate, 2018, 6, 11.	1.2	13
49	Economic buy-back rates for electricity from cogeneration: Case of sugar industry in Vietnam. Energy, 2004, 29, 1039-1051.	4.5	12
50	Thermal power generation and environment: A review of the Indian case. International Journal of Energy Research, 1995, 19, 185-198.	2.2	10
51	AN ESTIMATION OF ENVIRONMENTAL COSTS OF COAL-BASED THERMAL POWER GENERATION IN INDIA. International Journal of Energy Research, 1997, 21, 289-298.	2.2	9
52	Cogeneration potential in pulp and paper industry of Vietnam. International Journal of Energy Research, 2005, 29, 345-358.	2.2	9
53	Evolution of GIS-based rural electrification planning models and an application of OnSSET in Nigeria. Renewable and Sustainable Energy Transition, 2022, 2, 100019.	1.4	9
54	Selection of power market structure using the analytic hierarchy process. International Journal of Global Energy Issues, 2003, 20, 36.	0.2	8

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55	Managing risk in a large rural electrification programme in India. Impact Assessment and Project Appraisal, 2007, 25, 15-26.	1.0	8
56	Investments to promote electricity supply in India: Regulatory and governance challenges and options. Journal of World Energy Law and Business, 2008, 1, 201-223.	0.3	8
57	Electrification Experiences from Sub-Saharan Africa. Green Energy and Technology, 2013, , 131-156.	0.4	7
58	Rural electricity tariffs: case of India. International Journal of Regulation and Governance, 2005, 5, 93-122.	0.1	6
59	Energy taxation and the environment: a developing country perspective. Natural Resources Forum, 1997, 21, 273-280.	1.8	5
60	The Clean Development Mechanism. , 2011, , 623-645.		5
61	Integrating the Sustainable Development Goals (SDGs) into Urban Climate Plans in the UK and Japan: A Text Analysis. Climate, 2021, 9, 100.	1.2	5
62	Domestic Energy Pricing Policies in Developing Countries: Why Are Economic Prescriptions Shelved?. Energy Sources Part A Recovery, Utilization, and Environmental Effects, 1996, 18, 855-874.	0.5	4
63	Regulating the power industry in a regime of incomplete information: lessons from the Indian experience. International Journal of Regulation and Governance, 2002, 2, 81-106.	0.1	4
64	The White Paper on energy: will it really meet the United Kingdom's energy challenge?. International Journal of Energy Sector Management, 2007, 1, 413-424.	1.2	4
65	Understanding and Analysing Energy Demand. , 2011, , 41-76.		4
66	Rural Electrification Experience from South-East Asia and South America. Green Energy and Technology, 2013, , 157-184.	0.4	4
67	Environment-Thermal Power Generation Nexus: The Indian Scenario. Energy and Environment, 1994, 5, 105-120.	2.7	3
68	Power Sector Privatization in Developing Countries: Will It Solve All Problems?. Energy Sources Part A Recovery, Utilization, and Environmental Effects, 1995, 17, 373-389.	0.5	3
69	A preliminary estimate of the external costs of energy use in the transport sector: a case study of India. OPEC Review, 1996, 20, 247-262.	0.2	3
70	Universal electrification: will the new electrification programme succeed in India?. OPEC Review, 2006, 30, 105-123.	0.2	3
71	Economic Analysis of Energy Investments. , 2011, , 163-189.		3
72	Structural and macroâ€economic changes in India and the implications for the residential energy demand. Wiley Interdisciplinary Reviews: Energy and Environment, 2014, 3, 535-539.	1.9	3

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73	Renewable Energy-Based Mini-Grid for Rural Electrification: Case Study of an Indian Village. Green Energy and Technology, 2014, , 203-232.	0.4	3
74	Suite of Off-Grid Options in South Asia. Green Energy and Technology, 2014, , 11-36.	0.4	3
75	Poverty Amidst Plenty: Renewable Energy-Based Mini-Grid Electrification in Nepal. Green Energy and Technology, 2014, , 343-371.	0.4	3
76	Fossil fuel subsidies: the case of petroleum products in India. OPEC Review, 1995, 19, 71-88.	0.2	2
77	Electric load forecasting for northern Vietnam, using an artificial neural network. OPEC Review, 2003, 27, 159-170.	0.2	2
78	The Cogeneration Potential of the Sugar Industry in Vietnam. OPEC Review, 2004, 28, 63-80.	0.2	2
79	Impact of High Energy Prices. , 2011, , 441-462.		2
80	The Economics of Renewable Energy Supply. , 2011, , 249-273.		2
81	Energy Data and Energy Balance. , 2011, , 9-39.		2
82	Financing Electrification and Off-Grid Electricity Access Systems. Green Energy and Technology, 2013, , 227-252.	0.4	2
83	Reducing non-residential asset sanitisation water footprint for improved public health in water-deficient cities. Sustainable Cities and Society, 2021, 75, 103268.	5.1	2
84	Business Issues for Mini-Grid-Based Electrification in Developing Countries. Green Energy and Technology, 2014, , 145-164.	0.4	2
85	International Handbook on the Energy Economics20101Edited by Joanne Evans and Lester C. Hunt. International Handbook on the Energy Economics. Cheltenham, UK: Edward Elgar 2009. xv+831 pages, ISBN: 978â€1â€84720â€352â€6. International Journal of Energy Sector Management, 2010, 4, 482-486.	1.2	2
86	Domestic Petroleum Product Pricing Policy: Old Issues in New Perspective. Energy Sources Part A Recovery, Utilization, and Environmental Effects, 1995, 17, 583-594.	0.5	1
87	Estimation of subsidies on coal in India. Natural Resources Forum, 1995, 19, 135-142.	1.8	1
88	Deregulation of petroleum product prices: the case of India. Natural Resources Forum, 1996, 20, 281-291.	1.8	1
89	Decomposition of CO<SUB align=right>2 intensities from use of energy: case of Thai industry between 1981 and 2000. International Journal of Global Environmental Issues, 2004, 4, 177.	0.1	1
90	The Economics of Climate Change. , 2011, , 597-622.		1

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91	Energy Access. , 2011, , 503-523.		1
92	Energy Demand Analysis at a Disaggregated Level. , 2011, , 77-106.		1
93	Integrated Analysis of Energy Systems. , 2011, , 393-416.		1
94	Energy Demand Management. , 2011, , 135-160.		1
95	Preliminary identification of potential markets for off-grid electrification: tool development and a case study of Ghana. International Journal of Sustainable Energy, 2018, 37, 147-172.	1.3	1
96	Marginalisation of off-grid energy sector in Sri Lanka: What lessons could be learnt?. Environment, Development and Sustainability, 2020, 22, 5219-5243.	2.7	1
97	Natural Gas Market. , 2019, , 647-682.		1
98	Oil and Gas Exploration and Production: Reserves, Costs, Contracts20092D. Babusiaux, S. Barreau, P.R. Bauquis, J.P. Favennec and N. Bretâ€Rouzaut. Oil and Gas Exploration and Production: Reserves, Costs, Contracts. Editions Technip, Paris 2007. xvi, +318 pp., ISBN: 978â€2â€7108â€0893â€0. International Journal of Energy Sector Management, 2009, 3, 220-222.	1.2	1
99	Vulnerability Assessment of Climate Change Impact on Critical Oil/Gas Infrastructure: A Decision-Makerâ€™s Perception in the Niger Delta. International Journal of Climate Change: Impacts and Responses, 2018, 10, 25-39.	0.1	1
100	Replication and scaling-up of isolated mini-grid type of off-grid interventions in India. AIMS Energy, 2016, 4, 222-255.	1.1	1
101	Finance Mechanisms and Incentives for Off-Grid Photovoltaic Technologies in the Solar Belt. , 2022, , 82-113.		1
102	From SHS to Mini-Grid-Based Off-Grid Electrification: A Case Study of Bangladesh. Green Energy and Technology, 2014, , 233-282.	0.4	1
103	Energy Demand Forecasting. , 2019, , 121-145.		1
104	Energy Access. , 2019, , 493-523.		1
105	Energy Pricing and Taxation. , 2019, , 249-292.		1
106	Institutions and the Energy Sector Governance. , 2019, , 753-776.		1
107	Energy poverty: access, health and welfare. , 2013, , .		1
108	Shaping a Sustainable Energy Future for India: Management Challenges. SSRN Electronic Journal, 0, , .	0.4	0

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109	Markets for Natural Gas. , 2011, , 353-381.		0
110	Pollution Control from Stationary Sources. , 2011, , 563-577.		0
111	Investment Issues in the Energy Sector. , 2011, , 485-502.		0
112	Regulation of Energy Industries. , 2011, , 649-681.		0
113	Overview of Global Energy Challenges. , 2011, , 419-439.		0
114	Economics of Fossil Fuel Supply. , 2011, , 191-220.		0
115	Pollution Control from Mobile Sources. , 2011, , 579-595.		0
116	Energy Pricing and Taxation. , 2011, , 299-324.		0
117	Economics of Non-Renewable Resource Supply. , 2011, , 219-225.		0
118	The Economics of Environment Protection. , 2011, , 527-561.		0
119	Energy Markets and Principles of Energy Pricing. , 2011, , 277-297.		0
120	Fossil-Fuel Dependence and Vulnerability of Electricity Generation: Case of Selected European Countries. SSRN Electronic Journal, 0, , .	0.4	0
121	Special issue on energy sector management issues in China. International Journal of Energy Sector Management, 2009, 3, .	1.2	0
122	Special issue on energy sector management issues in India. International Journal of Energy Sector Management, 2009, 3, .	1.2	0
123	Climate Change: A Guide to Carbon Law and Practice. International Journal of Energy Sector Management, 2010, 4, 302-303.	1.2	0
124	Introduction to Energy Economics. , 2011, , 1-5.		0
125	Risk of energy availability â€“ common corridors for EuropeÂ's supply security. International Journal of Energy Sector Management, 2011, 5, .	1.2	0
126	Incorporating the special issue on sustainability in energy and buildings. International Journal of Energy Sector Management, 2012, 6, .	1.2	0

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127	Viability of Husk-Based Mini-Grids in South Asia. Green Energy and Technology, 2014, , 373-393.	0.4	0
128	Analytical Frameworks and an Integrated Approach for Mini-Grid-Based Electrification. Green Energy and Technology, 2014, , 95-134.	0.4	0
129	Enabling Policies for Advancing Sustainability of Electricity Access Programs. Advances in Finance, Accounting, and Economics, 2016, , 177-193.	0.3	0
130	Sustainability of Community-Owned Mini-Grids: Evidence From India. SSRN Electronic Journal, 0, , .	0.4	0
131	Reform of the Energy Sector. , 2019, , 777-810.		0
132	Energy Demand Analysis. , 2019, , 41-82.		0
133	Sectoral Energy Demand Analysis. , 2019, , 83-120.		0
134	Energy and Sustainable Development. , 2019, , 387-414.		0
135	The Economics of Environment Protection. , 2019, , 293-329.		0
136	Integrating Analytic Hierarchy Process in Assessing the Criticality of Vulnerable Oil and Gas Infrastructure to Climate Change Impacts in the Niger Delta. International Journal of Climate Change: Impacts and Responses, 2020, 12, 13-28.	0.1	0
137	Enabling Policies for Advancing Sustainability of Electricity Access Programs. , 2020, , 1-17.		0
138	Energy demand implications of structural changes in India. , 2013, , .		0