

# Christian Breyer

## List of Publications by Year in descending order

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Version: 2024-02-01

154  
papers

12,332  
citations

22548

61  
h-index

32181

105  
g-index

156  
all docs

156  
docs citations

156  
times ranked

9160  
citing authors

#	ARTICLE	IF	CITATIONS
1	Renewable energy in Pakistan: Paving the way towards a fully renewables-based energy system across the power, heat, transport and desalination sectors by 2050. IET Renewable Power Generation, 2022, 16, 177-197.	1.7	24
2	True Cost of Solar Hydrogen. Solar Rrl, 2022, 6, 2100487.	3.1	62
3	Revisiting the potential of pumped-hydro energy storage: A method to detect economically attractive sites. Renewable Energy, 2022, 181, 182-193.	4.3	19
4	Job creation during a climate compliant global energy transition across the power, heat, transport, and desalination sectors by 2050. Energy, 2022, 238, 121690.	4.5	83
5	Powering an island energy system by offshore floating technologies towards 100% renewables: A case for the Maldives. Applied Energy, 2022, 308, 118360.	5.1	38
6	Comment on Seibert, M.K.; Rees, W.E. Through the Eye of a Needle: An Eco-Heterodox Perspective on the Renewable Energy Transition. Energies 2021, 14, 4508. Energies, 2022, 15, 971.	1.6	5
7	Global energy transition to 100% renewables by 2050: Not fiction, but much needed impetus for developing economies to leapfrog into a sustainable future. Energy, 2022, 246, 123419.	4.5	39
8	Impacts of model structure, framework, and flexibility on perspectives of 100% renewable energy transition decision-making. Renewable and Sustainable Energy Reviews, 2022, 164, 112452.	8.2	27
9	A review of 100% renewable energy scenarios on islands. Wiley Interdisciplinary Reviews: Energy and Environment, 2022, 11, .	1.9	17
10	Energy transition in megacities towards 100% renewable energy: A case for Delhi. Renewable Energy, 2022, 195, 578-589.	4.3	26
11	Material extraction potential of desalination brines: A technical and economic evaluation of brines as a possible new material source. Minerals Engineering, 2022, 185, 107652.	1.8	7
12	Global-local analysis of cost-optimal onshore wind turbine configurations considering wind classes and hub heights. Energy, 2022, 256, 124629.	4.5	18
13	Full energy sector transition towards 100% renewable energy supply: Integrating power, heat, transport and industry sectors including desalination. Applied Energy, 2021, 283, 116273.	5.1	176
14	Renewable Energy Transition for the Himalayan Countries Nepal and Bhutan: Pathways Towards Reliable, Affordable and Sustainable Energy for All. IEEE Access, 2021, 9, 84520-84544.	2.6	13
15	The Value of Fast Transitioning to a Fully Sustainable Energy System: The Case of Turkmenistan. IEEE Access, 2021, 9, 13590-13611.	2.6	17
16	Pathway to a fully sustainable energy system for Bolivia across power, heat, and transport sectors by 2050. Journal of Cleaner Production, 2021, 293, 126195.	4.6	33
17	Solar photovoltaics is ready to power a sustainable future. Joule, 2021, 5, 1041-1056.	11.7	265
18	Global-Local Heat Demand Development for the Energy Transition Time Frame Up to 2050. Energies, 2021, 14, 3814.	1.6	18

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19	Low-cost renewable electricity as the key driver of the global energy transition towards sustainability. <i>Energy</i> , 2021, 227, 120467.	4.5	358
20	Global potential of green ammonia based on hybrid PV-wind power plants. <i>Applied Energy</i> , 2021, 294, 116170.	5.1	174
21	Transition pathway towards 100% renewable energy across the sectors of power, heat, transport, and desalination for the Philippines. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 144, 110934.	8.2	62
22	The role of biomass in sub-Saharan Africa's fully renewable power sector – The case of Ghana. <i>Renewable Energy</i> , 2021, 173, 297-317.	4.3	36
23	Integration of seawater pumped storage and desalination in multi-energy systems planning: The case of copper as a key material for the energy transition. <i>Applied Energy</i> , 2021, 299, 117298.	5.1	8
24	Assessment of the water footprint for the European power sector during the transition towards a 100% renewable energy system. <i>Energy</i> , 2021, 233, 121098.	4.5	26
25	Just transition towards defossilised energy systems for developing economies: A case study of Ethiopia. <i>Renewable Energy</i> , 2021, 176, 346-365.	4.3	30
26	The impact of renewable energy and sector coupling on the pathway towards a sustainable energy system in Chile. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111557.	8.2	49
27	Solar Photovoltaics in 100% Renewable Energy Systems. , 2021, , 1-30.		16
28	Setting the Pace for a Sustainable Energy Transition in Central Africa: The Case of Cameroon. <i>IEEE Access</i> , 2021, 9, 145435-145458.	2.6	15
29	Irrigation efficiency and renewable energy powered desalination as key components of Pakistan's water management strategy. <i>Smart Energy</i> , 2021, 4, 100052.	2.6	16
30	Low-cost solar power enables a sustainable energy industry system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	14
31	Assessment of a cost-optimal power system fully based on renewable energy for Iran by 2050 – Achieving zero greenhouse gas emissions and overcoming the water crisis. <i>Renewable Energy</i> , 2020, 146, 125-148.	4.3	53
32	Carbon dioxide direct air capture for effective climate change mitigation based on renewable electricity: a new type of energy system sector coupling. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2020, 25, 43-65.	1.0	97
33	Baseload electricity and hydrogen supply based on hybrid PV-wind power plants. <i>Journal of Cleaner Production</i> , 2020, 243, 118466.	4.6	110
34	Authors' reply to the letter to the editor: Response to – A comparative analysis of electricity generation costs from renewable, fossil fuel and nuclear sources in G20 countries for the period 2015–2030. <i>Journal of Cleaner Production</i> , 2020, 242, 118530.	4.6	0
35	Job creation during the global energy transition towards 100% renewable power system by 2050. <i>Technological Forecasting and Social Change</i> , 2020, 151, 119682.	6.2	183
36	Impact of weighted average cost of capital, capital expenditure, and other parameters on future utility-scale PV levelised cost of electricity. <i>Progress in Photovoltaics: Research and Applications</i> , 2020, 28, 439-453.	4.4	247

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37	Critical materials in global low-carbon energy scenarios: The case for neodymium, dysprosium, lithium, and cobalt. <i>Energy</i> , 2020, 211, 118532.	4.5	73
38	From hot rock to useful energy: A global estimate of enhanced geothermal systems potential. <i>Applied Energy</i> , 2020, 279, 115769.	5.1	71
39	The role of energy prosumers in the transition of the Finnish energy system towards 100 % renewable energy by 2050. <i>Futures</i> , 2020, 124, 102644.	1.4	27
40	Assessment of lithium criticality in the global energy transition and addressing policy gaps in transportation. <i>Nature Communications</i> , 2020, 11, 4570.	5.8	208
41	Global Energy Security Index and Its Application on National Level. <i>Energies</i> , 2020, 13, 2502.	1.6	48
42	A Global Overview of Future Energy. , 2020, , 727-756.		4
43	Transition towards decarbonised power systems and its socio-economic impacts in West Africa. <i>Renewable Energy</i> , 2020, 154, 1092-1112.	4.3	50
44	Towards sustainable development in the MENA region: Analysing the feasibility of a 100% renewable electricity system in 2030. <i>Energy Strategy Reviews</i> , 2020, 28, 100466.	3.3	88
45	Energy Security Analysis for a 100% Renewable Energy Transition in Jordan by 2050. <i>Sustainability</i> , 2020, 12, 4921.	1.6	57
46	Role of the transmission grid and solar wind complementarity in mitigating the monsoon effect in a fully sustainable electricity system for India. <i>IET Renewable Power Generation</i> , 2020, 14, 254-262.	1.7	13
47	Strengthening the global water supply through a decarbonised global desalination sector and improved irrigation systems. <i>Energy</i> , 2020, 200, 117507.	4.5	49
48	Current energy policies and possible transition scenarios adopting renewable energy: A case study for Bangladesh. <i>Renewable Energy</i> , 2020, 155, 899-920.	4.3	51
49	Exploiting wind-solar resource complementarity to reduce energy storage need. <i>AIMS Energy</i> , 2020, 8, 749-770.	1.1	22
50	Evaluation of an onsite integrated hybrid PV-Wind power plant. <i>AIMS Energy</i> , 2020, 8, 988-1006.	1.1	15
51	Assessing the potential for renewable energy powered desalination for the global irrigation sector. <i>Science of the Total Environment</i> , 2019, 694, 133598.	3.9	40
52	Transition towards 100% renewable power and heat supply for energy intensive economies and severe continental climate conditions: Case for Kazakhstan. <i>Applied Energy</i> , 2019, 253, 113606.	5.1	46
53	The concerns of the young protesters are justified: A statement by<i>Scientists for Future</i> concerning the protests for more climate protection. <i>Gaia</i> , 2019, 28, 79-87.	0.3	56
54	Reply to "Bias in energy system models with uniform cost of capital assumption"™. <i>Nature Communications</i> , 2019, 10, 4587.	5.8	15

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55	Direct Air Capture of CO <sub>2</sub> : A Key Technology for Ambitious Climate Change Mitigation. <i>Joule</i> , 2019, 3, 2053-2057.	11.7	136
56	Pathway towards achieving 100% renewable electricity by 2050 for South Africa. <i>Solar Energy</i> , 2019, 191, 549-565.	2.9	57
57	Scenarios for sustainable energy in Scotland. <i>Wind Energy</i> , 2019, 22, 666-684.	1.9	18
58	Trends in the global cement industry and opportunities for long-term sustainable CCU potential for Power-to-X. <i>Journal of Cleaner Production</i> , 2019, 217, 821-835.	4.6	97
59	Curtailment-storage-penetration nexus in the energy transition. <i>Applied Energy</i> , 2019, 235, 1351-1368.	5.1	55
60	Terawatt-scale photovoltaics: Transform global energy. <i>Science</i> , 2019, 364, 836-838.	6.0	320
61	Integration of greenhouse agriculture to the energy infrastructure as an alimentary solution. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 110, 368-377.	8.2	22
62	Cost optimal self-consumption of PV prosumers with stationary batteries, heat pumps, thermal energy storage and electric vehicles across the world up to 2050. <i>Solar Energy</i> , 2019, 185, 406-423.	2.9	94
63	Status and perspectives on 100% renewable energy systems. <i>Energy</i> , 2019, 175, 471-480.	4.5	489
64	Techno-economic assessment of CO <sub>2</sub> direct air capture plants. <i>Journal of Cleaner Production</i> , 2019, 224, 957-980.	4.6	614
65	Radical transformation pathway towards sustainable electricity via evolutionary steps. <i>Nature Communications</i> , 2019, 10, 1077.	5.8	354
66	Long term load projection in high resolution for all countries globally. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 111, 160-181.	3.3	72
67	Analysing the feasibility of powering the Americas with renewable energy and inter-regional grid interconnections by 2030. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 105, 187-205.	8.2	118
68	Flexible electricity generation, grid exchange and storage for the transition to a 100% renewable energy system in Europe. <i>Renewable Energy</i> , 2019, 139, 80-101.	4.3	375
69	Solar photovoltaic capacity demand for a sustainable transport sector to fulfil the Paris Agreement by 2050. <i>Progress in Photovoltaics: Research and Applications</i> , 2019, 27, 978-989.	4.4	30
70	The mutual dependence of negative emission technologies and energy systems. <i>Energy and Environmental Science</i> , 2019, 12, 1805-1817.	15.6	135
71	Global scenarios for significant water use reduction in thermal power plants based on cooling water demand estimation using satellite imagery. <i>Nature Energy</i> , 2019, 4, 1040-1048.	19.8	60
72	Global Transportation Demand Development with Impacts on the Energy Demand and Greenhouse Gas Emissions in a Climate-Constrained World. <i>Energies</i> , 2019, 12, 3870.	1.6	121

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73	A GIS-based method to identify potential sites for pumped hydro energy storage - Case of Iran. <i>Energy</i> , 2019, 169, 854-867.	4.5	56
74	Power transmission and distribution losses – A model based on available empirical data and future trends for all countries globally. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 107, 98-109.	3.3	85
75	The role that battery and water storage play in Saudi Arabia’s transition to an integrated 100% renewable energy power system. <i>Journal of Energy Storage</i> , 2018, 17, 299-310.	3.9	58
76	Sustainability guardrails for energy scenarios of the global energy transition. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 321-334.	8.2	163
77	Energy transition roadmap towards 100% renewable energy and role of storage technologies for Pakistan by 2050. <i>Energy</i> , 2018, 147, 518-533.	4.5	140
78	Assessment of sustainable energy system configuration for a small Canary island in 2030. <i>Energy Conversion and Management</i> , 2018, 165, 363-372.	4.4	51
79	Techno-economic analysis of a decarbonized shipping sector: Technology suggestions for a fleet in 2030 and 2040. <i>Energy Conversion and Management</i> , 2018, 164, 230-241.	4.4	112
80	Solar photovoltaics demand for the global energy transition in the power sector. <i>Progress in Photovoltaics: Research and Applications</i> , 2018, 26, 505-523.	4.4	136
81	Definitions and dimensions of energy security: a literature review. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2018, 7, e268.	1.9	86
82	The role of storage technologies in energy transition pathways towards achieving a fully sustainable energy system for India. <i>Journal of Energy Storage</i> , 2018, 17, 525-539.	3.9	74
83	Solar Photovoltaic Capacity Demand for a fully sustainable Transport Sector – How to fulfil the Paris Agreement by 2050. , 2018, , .		7
84	Combining Floating Solar Photovoltaic Power Plants and Hydropower Reservoirs: A Virtual Battery of Great Global Potential. <i>Energy Procedia</i> , 2018, 155, 403-411.	1.8	130
85	The Baltic Sea Region: Storage, grid exchange and flexible electricity generation for the transition to a 100% renewable energy system. <i>Energy Procedia</i> , 2018, 155, 390-402.	1.8	23
86	Energy security and energy storage technologies. <i>Energy Procedia</i> , 2018, 155, 237-258.	1.8	65
87	The role of storage technologies for the transition to a 100% renewable energy system in Europe. <i>Energy Procedia</i> , 2018, 155, 44-60.	1.8	90
88	Arising role of photovoltaic and wind energy in the power sector and beyond: Changing the Northeast Asian power landscape. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 08RJ01.	0.8	13
89	Pathways to a fully sustainable electricity supply for Nigeria in the mid-term future. <i>Energy Conversion and Management</i> , 2018, 178, 44-64.	4.4	51
90	The Impacts of High V2G Participation in a 100% Renewable –land Energy System. <i>Energies</i> , 2018, 11, 2206.	1.6	70

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91	Assessment of geological resource potential for compressed air energy storage in global electricity supply. <i>Energy Conversion and Management</i> , 2018, 169, 161-173.	4.4	82
92	Solar driven net zero emission electricity supply with negligible carbon cost: Israel as a case study for Sun Belt countries. <i>Energy</i> , 2018, 155, 87-104.	4.5	30
93	Desalination Costs Using Renewable Energy Technologies. , 2018, , 287-329.		3
94	Relevance of PV with single-axis tracking for energy scenarios. <i>Solar Energy</i> , 2018, 173, 173-191.	2.9	61
95	Repercussion of Large Scale Hydro Dam Deployment: The Case of Congo Grand Inga Hydro Project. <i>Energies</i> , 2018, 11, 972.	1.6	36
96	Role of Seawater Desalination in the Management of an Integrated Water and 100% Renewable Energy Based Power Sector in Saudi Arabia. <i>Water (Switzerland)</i> , 2018, 10, 3.	1.2	113
97	A comparative analysis of electricity generation costs from renewable, fossil fuel and nuclear sources in G20 countries for the period 2015-2030. <i>Journal of Cleaner Production</i> , 2018, 199, 687-704.	4.6	142
98	A cost optimal resolution for Sub-Saharan Africa powered by 100% renewables in 2030. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 92, 440-457.	8.2	100
99	Aging of European power plant infrastructure as an opportunity to evolve towards sustainability. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18081-18091.	3.8	22
100	Energy Return on Energy Invested (ERoEI) for photovoltaic solar systems in regions of moderate insolation: A comprehensive response. <i>Energy Policy</i> , 2017, 102, 377-384.	4.2	59
101	Scenarios for a sustainable energy system in the Åland Islands in 2030. <i>Energy Conversion and Management</i> , 2017, 137, 49-60.	4.4	85
102	Transition and transformation: A review of the concept of change in the progress towards future sustainable energy systems. <i>Energy Policy</i> , 2017, 107, 11-26.	4.2	35
103	On the role of solar photovoltaics in global energy transition scenarios. <i>Progress in Photovoltaics: Research and Applications</i> , 2017, 25, 727-745.	4.4	250
104	An energy transition pathway for Turkey to achieve 100% renewable energy powered electricity, desalination and non-energetic industrial gas demand sectors by 2050. <i>Solar Energy</i> , 2017, 158, 218-235.	2.9	70
105	Transition towards a 100% Renewable Energy System and the Role of Storage Technologies: A Case Study of Iran. <i>Energy Procedia</i> , 2017, 135, 23-36.	1.8	43
106	The Demand For Storage Technologies In Energy Transition Pathways Towards 100% Renewable Energy For India. <i>Energy Procedia</i> , 2017, 135, 37-50.	1.8	45
107	Impact of Battery and Water Storage on the Transition to an Integrated 100% Renewable Energy Power System for Saudi Arabia. <i>Energy Procedia</i> , 2017, 135, 126-142.	1.8	21
108	The role of storage technologies for the transition to a 100% renewable energy system in Ukraine. <i>Energy Procedia</i> , 2017, 135, 410-423.	1.8	45

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109	Assessment of mid-term growth assumptions and learning rates for comparative studies of CSP and hybrid PV-battery power plants. AIP Conference Proceedings, 2017, , .	0.3	17
110	Learning Curve for Seawater Reverse Osmosis Desalination Plants: Capital Cost Trend of the Past, Present, and Future. Water Resources Research, 2017, 53, 10523-10538.	1.7	108
111	New consciousness: A societal and energetic vision for rebalancing humankind within the limits of planet Earth. Technological Forecasting and Social Change, 2017, 114, 7-15.	6.2	44
112	Structural changes of global power generation capacity towards sustainability and the risk of stranded investments supported by a sustainability indicator. Journal of Cleaner Production, 2017, 141, 370-384.	4.6	144
113	How much energy storage is needed to incorporate very large intermittent renewables?. Energy Procedia, 2017, 135, 283-293.	1.8	40
114	Can Australia Power the Energy-Hungry Asia with Renewable Energy?. Sustainability, 2017, 9, 233.	1.6	51
115	Long-Term Hydrocarbon Trade Options for the Maghreb Region and Europeâ€™ Renewable Energy Based Synthetic Fuels for a Net Zero Emissions World. Sustainability, 2017, 9, 306.	1.6	89
116	A Techno-Economic Study of an Entirely Renewable Energy-Based Power Supply for North America for 2030 Conditions. Energies, 2017, 10, 1171.	1.6	87
117	Visualizing National Electrification Scenarios for Sub-Saharan African Countries. Energies, 2017, 10, 1899.	1.6	43
118	The Role of Solar Photovoltaics and Energy Storage Solutions in a 100% Renewable Energy System for Finland in 2050. Sustainability, 2017, 9, 1358.	1.6	40
119	Hydro, wind and solar power as a base for a 100% renewable energy supply for South and Central America. PLoS ONE, 2017, 12, e0173820.	1.1	130
120	Electricity system based on 100% renewable energy for India and SAARC. PLoS ONE, 2017, 12, e0180611.	1.1	96
121	A Cost Optimized Fully Sustainable Power System for Southeast Asia and the Pacific Rim. Energies, 2017, 10, 583.	1.6	61
122	The Role of Energy Storage Solutions in a 100% Renewable Finnish Energy System. Energy Procedia, 2016, 99, 25-34.	1.8	38
123	Impact of Battery Cost on the Economics of Hybrid Photovoltaic Power Plants. Energy Procedia, 2016, 99, 157-173.	1.8	11
124	Energy Storage in Global and Transcontinental Energy Scenarios: A Critical Review. Energy Procedia, 2016, 99, 53-63.	1.8	26
125	Hydropower and Power-to-gas Storage Options: The Brazilian Energy System Case. Energy Procedia, 2016, 99, 89-107.	1.8	25
126	Techno-Economic Assessment of Power-to-Liquids (PtL) Fuels Production and Global Trading Based on Hybrid PV-Wind Power Plants. Energy Procedia, 2016, 99, 243-268.	1.8	153

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127	Global analysis of the techno-economic potential of renewable energy hybrid systems on small islands. <i>Energy Policy</i> , 2016, 98, 674-687.	4.2	139
128	Vision and initial feasibility analysis of a recarbonised Finnish energy system for 2050. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 66, 517-536.	8.2	117
129	Integrated renewable energy based power system for Europe, Eurasia and MENA regions. , 2016, , .		13
130	Energy learning curves of PV systems. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 914-923.	1.3	51
131	North-East Asian Super Grid for 100% renewable energy supply: Optimal mix of energy technologies for electricity, gas and heat supply options. <i>Energy Conversion and Management</i> , 2016, 112, 176-190.	4.4	289
132	Global cost advantages of autonomous solarâ€“batteryâ€“diesel systems compared to diesel-only systems. <i>Energy for Sustainable Development</i> , 2016, 31, 14-23.	2.0	32
133	Local cost of seawater RO desalination based on solar PV and wind energy: A global estimate. <i>Desalination</i> , 2016, 385, 207-216.	4.0	176
134	Eurasian Super Grid for 100% Renewable Energy Power Supply: Generation and Storage Technologies in the Cost Optimal Mix. , 2016, , .		9
135	North-East Asian Super Grid: Renewable energy mix and economics. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 08KJ01.	0.8	41
136	Power-to-Gas as an Emerging Profitable Business Through Creating an Integrated Value Chain. <i>Energy Procedia</i> , 2015, 73, 182-189.	1.8	87
137	Profitable climate change mitigation: The case of greenhouse gas emission reduction benefits enabled by solar photovoltaic systems. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 49, 610-628.	8.2	65
138	Transforming the electricity generation of the Berlinâ€“Brandenburg region, Germany. <i>Renewable Energy</i> , 2014, 72, 39-50.	4.3	34
139	Large scale solar power plant in Nordic conditions. , 2014, , .		7
140	Catching two European birds with one renewable stone: Mitigating climate change and Eurozone crisis by an energy transition. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 38, 1015-1028.	8.2	101
141	Energy Storage Potential for Solar Based Hybridization of Off-grid Diesel Power Plants in Tanzania. <i>Energy Procedia</i> , 2014, 46, 287-293.	1.8	20
142	Global Energy Storage Demand for a 100% Renewable Electricity Supply. <i>Energy Procedia</i> , 2014, 46, 22-31.	1.8	221
143	Assessment of the Global Potential for Renewable Energy Storage Systems on Small Islands. <i>Energy Procedia</i> , 2014, 46, 294-300.	1.8	39
144	Global overview on gridâ€“parity. <i>Progress in Photovoltaics: Research and Applications</i> , 2013, 21, 121-136.	4.4	271

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145	A top-down analysis: Determining photovoltaics R&D investments from patent analysis and R&D headcount. Energy Policy, 2013, 62, 1570-1580.	4.2	25
146	IEA PVPS Task8: Study on Very Large Scale Photovoltaic (VLS-PV) Systems. , 2012, , .		5
147	Economics of Hybrid PV-Fossil Power Plants. , 2011, , .		2
148	Hybrid PV-Wind-Renewable Power Methane Plants. , 2011, , .		8
149	PV and Wind Power “ Complementary Technologies. , 2011, , .		11
150	Value of solar PV electricity in MENA region. , 2010, , .		12
151	Fuel-parity: New very large and sustainable market segments for PV systems. , 2010, , .		10
152	Influence of exciton distribution on external quantum efficiency in bilayer organic solar cells. Physica Status Solidi (B): Basic Research, 2006, 243, 3176-3180.	0.7	8
153	On the function of a bathocuproine buffer layer in organic photovoltaic cells. Applied Physics Letters, 2006, 89, 163501.	1.5	175
154	Energy from the Desert 4. , 0, , .		5