

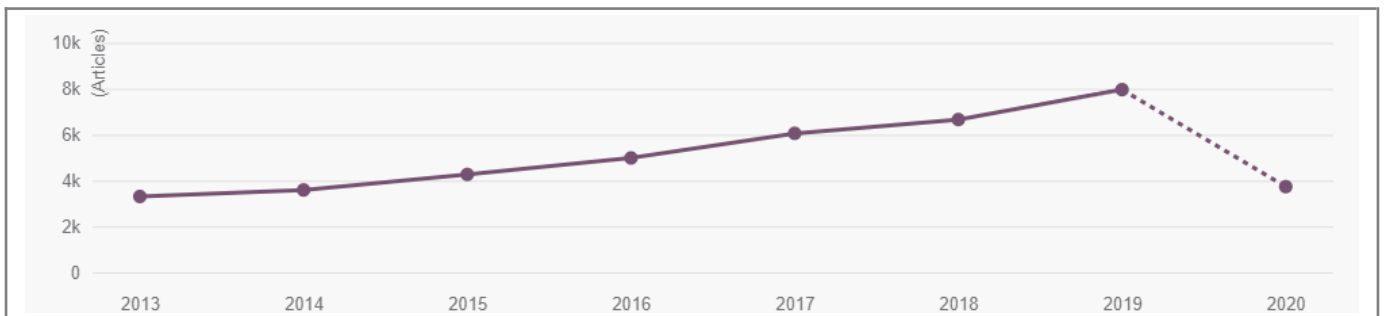
# B8250 - Solar power stations and photovoltaic power systems

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Report generated from year 2013 to 2020

<p><b>Articles published</b></p> <p>40585 articles published with this Subject classification between 2013 - 2020</p>
<p><b>Articles published % change</b></p> <p>Between 2013 - 2019 article output increased 140.77%</p>
<p><b>Times cited</b></p> <p>Articles published with this Subject classification between 2013 - 2020 have been cited 96150 times, with an average of 2.37 citations per article</p>

## Subject classification over time



#	Year	Articles	% Change	Times cited	Avg times cited
1	2013	3309	n/a	22757	6.88
2	2014	3591	8.52%	19367	5.39
3	2015	4270	18.91%	18683	4.38
4	2016	4988	16.81%	17362	3.48
5	2017	6060	21.49%	12863	2.12
6	2018	6663	9.95%	4614	0.69
7	2019	7967	19.57%	504	0.06
8	2020	3737	n/a	0	0

## Co-occurring concepts

#	Controlled terms	Articles
1	photovoltaic power systems	30744
2	power grids	10228
3	solar power stations	9152
4	power generation control	6290
5	distributed power generation	6262
6	maximum power point trackers	6170
7	invertors	5783
8	power generation economics	4931
9	solar power	4000
10	solar cell arrays	3673
11	hybrid power systems	3592
12	wind power plants	3299
13	renewable energy sources	3094
14	building integrated photovoltaics	3067
15	power engineering computing	2991
16	optimisation	2782
17	voltage control	2693
18	solar cells	2665
19	battery storage plants	2475
20	energy storage	2019

Total terms : 3625

#	Subject classifications	Articles
1	<a href="#">B8200 - Generating stations and plants</a>	40585
2	<a href="#">B8000 - Power systems and applications</a>	40585
3	<a href="#">B8100 - Power networks and systems</a>	19889
4	<a href="#">B8110 - Power systems</a>	14933
5	<a href="#">B8300 - Power apparatus and electric machines</a>	14171
6	<a href="#">B8360 - Power convertors and power supplies to apparatus</a>	13013
7	<a href="#">B0000 - General topics, engineering mathematics and materials science</a>	12913
8	<a href="#">C3000 - Control technology</a>	11185
9	<a href="#">C3300 - Control applications</a>	11087
10	<a href="#">C3340 - Control of power systems and devices</a>	10985
11	<a href="#">C3340H - Control of electric power systems</a>	10885
12	<a href="#">B8400 - Direct energy conversion and energy storage</a>	10846
13	<a href="#">B0200 - Engineering mathematics and mathematical techniques</a>	10317
14	<a href="#">B8110B - Power system management, operation and economics</a>	10270
15	<a href="#">B8120 - Power transmission, distribution and supply</a>	9487
16	<a href="#">A8000 - Cross-disciplinary physics and related areas of science and technology</a>	8711
17	<a href="#">A8600 - Energy research and environmental science</a>	8688
18	<a href="#">B8360D - DC-DC power convertors</a>	6832
19	<a href="#">C1000 - Systems and control theory</a>	6484
20	<a href="#">B8420 - Solar cells and arrays</a>	6210

Total codes : 1412

## Top organisations

#	Organisations	Articles
1	<a href="#">State Grid Corporation of China</a> Beijing, China Corporate	1102
2	<a href="#">Indian Institute of Technology Delhi</a> New Delhi, India Academic	846
3	<a href="#">North China Electric Power University</a> Beijing, China Academic	785
4	<a href="#">Aalborg Universitet</a> Aalborg, Denmark Academic	521
5	<a href="#">National Renewable Energy Laboratory</a> Golden, USA Academic	410
6	<a href="#">National Institute of Technology</a> Calicut, India Academic	367
7	<a href="#">University of New South Wales</a> Sydney, Australia Academic	291
8	<a href="#">Xi'an Jiaotong University</a> Xi'an, China Academic	282
9	<a href="#">Politecnico di Milano</a> Milano, Italy Academic	254
10	<a href="#">Texas A&amp;M University College Station</a> College Station, USA Academic	251

#	Organisations	Articles
11	<a href="#">Fraunhofer-Gesellschaft zur Forderung der angewandten Forschung eV</a> Munche, Germany Academic	244
12	<a href="#">Tsinghua University</a> Beijing, China Academic	244
13	<a href="#">Zhejiang University</a> Hangzhou, China Academic	240
14	<a href="#">VIT University</a> Vellore, India Academic	237
15	<a href="#">Sandia National Laboratories</a> Albuquerque, USA Academic	233
16	<a href="#">University of Malaya</a> Kuala Lumpur, Malaysia Academic	227
17	<a href="#">Islamic Azad University</a> Tehran, Iran Academic	223
18	<a href="#">Centre de Developpement des Energies Renouvelables</a> Alger, Algeria Academic	215
19	<a href="#">Indian Institute of Technology Guwahati</a> Guwahati, India Academic	215
20	<a href="#">Hohai University</a> Nanjing, China Academic	205

Total organisations : 4790

## Journals

#	Journal	Articles
1	Solar Energy	1260
2	Renewable Energy	828
3	Energy Procedia	786
4	Renewable & Sustainable Energy Reviews	776
5	Energies	729
6	AIP Conference Proceedings	722
7	Applied Energy	689
8	Energy Conversion and Management	641
9	Energy	616
10	IOP Conference Series: Earth and Environmental Science	448
11	IET Renewable Power Generation	409
12	IOP Conference Series: Materials Science and Engineering	395
13	IEEE Access	388
14	Applied Mechanics and Materials	378
15	IEEE Transactions on Power Electronics	332
16	IEEE Transactions on Sustainable Energy	311
17	IEEE Transactions on Industry Applications	274
18	Journal of Renewable and Sustainable Energy	259
19	IEEE Transactions on Industrial Electronics	255
20	Advanced Materials Research	243

Total journals : 1070

## Conferences

#	Conference	Articles
1	2017 IEEE 44th Photovoltaic Specialist Conference (PVSC)	257
2	28th European Photovoltaic Solar Energy Conference and Exhibition (EU PVSEC 2013). Proceedings	179
3	31st European Photovoltaic Solar Energy Conference 2015 (EUPVSEC)	171
4	29th European Photovoltaic Solar Energy Conference and Exhibition (EU PVSEC 2014)	168
5	33rd European Photovoltaic Solar Energy Conference and Exhibition. Proceedings of the International Conference	157
6	32nd European Photovoltaic Solar Energy Conference and Exhibition. Proceedings	153
7	2019 IEEE 46th Photovoltaic Specialists Conference (PVSC)	141
8	2018 IEEE 7th World Conference on Photovoltaic Energy Conversion (WCPEC) (A Joint Conference of 45th IEEE PVSC, 28th PVSEC & 34th EU PVSEC)	123
9	EU PVSEC 2019. 36th European Photovoltaic Solar Energy Conference and Exhibition. Proceedings	108
10	2016 IEEE 43rd Photovoltaic Specialists Conference (PVSC)	101
11	2014 IEEE 40th Photovoltaic Specialists Conference (PVSC)	99
12	2013 IEEE 39th Photovoltaic Specialists Conference (PVSC)	92
13	2018 IEEE Power & Energy Society General Meeting (PESGM)	81
14	IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society (IECON 2013)	79
15	2019 IEEE Power & Energy Society General Meeting (PESGM)	76
16	2017 IEEE Power & Energy Society General Meeting	75
17	IECON 2017 - 43rd Annual Conference of the IEEE Industrial Electronics Society. Proceedings	74
18	2018 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES). Proceedings	72
19	2015 IEEE 42nd Photovoltaic Specialist Conference (PVSC). Proceedings	71
20	2018 2nd IEEE Conference on Energy Internet and Energy System Integration (EI2)	70

Total conferences : 3252

## Related controlled terms

#	Controlled terms	Articles
1	<a href="#">photovoltaic power systems</a>	30744
2	<a href="#">solar power stations</a>	9152
3	<a href="#">solar power</a>	4000
4	<a href="#">hybrid power systems</a>	3592
5	<a href="#">building integrated photovoltaics</a>	3067
6	<a href="#">solar power satellites</a>	161
7	<a href="#">ocean thermal energy conversion</a>	59

Total terms : 7

## Related Subject classifications

#	Parent
1	<a href="#">B8200 - Generating stations and plants</a>

Total codes : 1

#	Siblings	Articles
1	<a href="#">B8245 - Wind power plants</a>	35884

#	Siblings	Articles
2	<a href="#">B8210 - Energy resources</a>	22768
3	<a href="#">B8230 - Thermal power stations and plants</a>	19967
4	<a href="#">B8220 - Nuclear power stations and plants</a>	14364
5	<a href="#">B8240 - Hydroelectric power stations and plants</a>	8729
6	<a href="#">B8215 - Energy conservation</a>	7691
7	<a href="#">B8260 - Other power stations and plants</a>	5066
8	<a href="#">B8255 - Fuel cell power plants</a>	1001

Total codes : 8

#	Children	Articles

Total codes : 0