

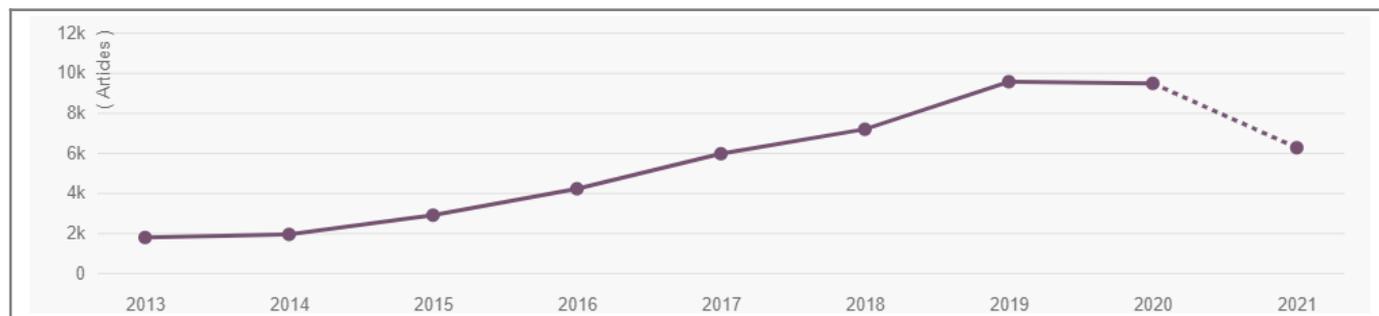
# E1840 - Recycling

[view online](#)

Report generated from year 2013 to 2021

<p><b>Articles published</b></p> <p>49157 articles published with this Subject classification between 2013 - 2021</p>
<p><b>Articles published % change</b></p> <p>Between 2013 - 2020 article output increased <b>434.82%</b></p>
<p><b>Times cited</b></p> <p>Articles published with this Subject classification between 2013 - 2021 have been cited <b>174539</b> times, with an average of <b>3.55</b> citations per article</p>

## Subject classification over time



#	Year	Articles	% Change	Times cited	Avg times cited
1	2013	1769	n/a	14882	8.41
2	2014	1923	8.71%	15862	8.25
3	2015	2881	49.82%	25844	8.97
4	2016	4204	45.92%	37025	8.81
5	2017	5951	41.56%	37088	6.23
6	2018	7172	20.52%	23824	3.32
7	2019	9545	33.09%	15181	1.59
8	2020	9461	-0.88%	4442	0.47
9	2021	6251	n/a	391	0.06

## Co-occurring concepts

#	Controlled terms	Articles
1	recycling	48175
2	waste recovery	13870
3	industrial waste	11648
4	organic compounds	6891
5	compressive strength	5914
6	concrete	5646
7	wastewater treatment	5224
8	sustainable development	4998
9	cements (building materials)	4945
10	aggregates (materials)	4902
11	biofuel	4408
12	scanning electron microscopy	4288
13	pH	3881
14	separation	3745
15	catalysts	3677
16	adsorption	3674
17	microorganisms	3587
18	waste reduction	3565
19	catalysis	3533
20	renewable materials	3509

Total terms : 4227

#	Subject classifications	Articles
1	<a href="#">E1000 - Manufacturing and production</a>	49157
2	<a href="#">E1800 - Materials handling and distribution</a>	49157
3	<a href="#">E0000 - General topics in manufacturing and production engineering</a>	38219
4	<a href="#">E1700 - Manufacturing resources and products</a>	38060
5	<a href="#">E0200 - General support functions</a>	37687
6	<a href="#">E1710 - Engineering materials</a>	34979
7	<a href="#">E0230 - Environmental issues</a>	34671
8	<a href="#">E1500 - Production technology</a>	34535
9	<a href="#">E3000 - Industrial sectors</a>	30537
10	<a href="#">E1525 - Industrial processes</a>	29260
11	<a href="#">E3600 - Manufacturing industries</a>	21617
12	<a href="#">A8000 - Cross-disciplinary physics and related areas of science and technology</a>	17319
13	<a href="#">E2000 - Engineering mechanics</a>	14944
14	<a href="#">E2100 - General mechanics</a>	14282
15	<a href="#">A8600 - Energy research and environmental science</a>	14266
16	<a href="#">E1780 - Products and commodities</a>	11868
17	<a href="#">E2180 - Specific mechanical properties (mechanical engineering)</a>	11143
18	<a href="#">E2180B - Plasticity (mechanical engineering)</a>	9280
19	<a href="#">E3030 - Construction industry</a>	9254
20	<a href="#">A8200 - Physical chemistry</a>	8874

Total codes : 1587

## Top organisations

#	Organisations	Articles
1	<a href="#">Tongji University</a> Shanghai, China academic	415
2	<a href="#">Central South University</a> Changsha, China academic	410
3	<a href="#">Tsinghua University</a> Beijing, China academic	406
4	<a href="#">Council of Scientific and Industrial Research</a> New Delhi, India academic	361
5	<a href="#">Shanghai Jiao Tong University</a> Shanghai, China academic	323
6	<a href="#">South China University of Technology</a> Guangzhou, China academic	315
7	<a href="#">Universiti Teknologi Malaysia</a> Skudai, Malaysia academic	313
8	<a href="#">Indian Institute of Technology Delhi</a> New Delhi, India academic	302
9	<a href="#">University of Science and Technology Beijing</a> Beijing, China academic	288
10	<a href="#">Zhejiang University</a> Hangzhou, China academic	282

#	Organisations	Articles
11	<a href="#">Harbin Institute of Technology</a> Harbin, China academic	278
12	<a href="#">Hong Kong Polytechnic University</a> Kowloon, Hong Kong academic	277
13	<a href="#">Shandong University</a> Jinan, China academic	267
14	<a href="#">Southeast University</a> Nanjing, China academic	265
15	<a href="#">Chinese Academy of Sciences</a> Beijing, China academic	262
16	<a href="#">Universidade de Lisboa</a> Lisboa, Portugal academic	260
17	<a href="#">Chongqing University</a> Chongqing, China academic	244
18	<a href="#">Wuhan University of Technology</a> Wuhan, China academic	243
19	<a href="#">Universiti Sains Malaysia</a> Minden, Malaysia academic	233
20	<a href="#">Northeastern University</a> Shenyang, China academic	230

Total organisations : 6546

## Journals

#	Journal	Articles
1	Journal of Cleaner Production	3177
2	Construction and Building Materials	2442
3	IOP Conference Series: Materials Science and Engineering	1711
4	IOP Conference Series: Earth and Environmental Science	1423
5	Bioresource Technology	1114
6	Waste Management	1084
7	Chemical Engineering Journal	992
8	Resources, Conservation and Recycling	897
9	Waste and Biomass Valorization	686
10	Journal of Physics: Conference Series	651
11	Sustainability	594
12	Journal of Material Cycles and Waste Management	565
13	Materials	561
14	Advanced Materials Research	547
15	Journal of Hazardous Materials	541
16	E3S Web of Conferences	536
17	Waste Management & Research	518
18	AIP Conference Proceedings	512
19	Applied Mechanics and Materials	491
20	MATEC Web of Conferences	437

Total journals : 1971

## Conferences

#	Conference	Articles
1	Sustainable Environment and Infrastructure. Proceedings of EGRWSE 2019. Lecture Notes in Civil Engineering (LNCE 90)	26
2	Proceedings of the 1st International Conference on Sustainable Waste Management through Design. IC_SWMD 2018. Lecture Notes in Civil Engineering (LNCE 21)	25
3	Airfield and Highway Pavements 2019. Innovation and Sustainability in Highway and Airfield Pavement Technology	22
4	Recent Developments in Sustainable Infrastructure. Select Proceedings of ICRDSI 2019. Lecture Notes in Civil Engineering (LNCE 75)	21
5	Proceedings of SECON'19. Structural Engineering and Construction Management. Lecture Notes in Civil Engineering (LNCE 46)	19
6	Proceedings of the 9th International Conference on Maintenance and Rehabilitation of Pavements—Mairepav9. Lecture Notes in Civil Engineering (LNCE 76)	19
7	Electronics Goes Green 2016+ (EGG)	17
8	Advances in Sustainable Construction Materials. Select Proceedings of ASCM 2020. Lecture Notes in Civil Engineering (LNCE 124)	16
9	Proceedings of AICCE'19. Transforming the Nation for a Sustainable Tomorrow. Lecture Notes in Civil Engineering (LNCE 53)	16
10	Proceedings of the 5th International Symposium on Asphalt Pavements & Environment (APE). Lecture Notes in Civil Engineering (LNCE 48)	16
11	Recent Advances in Structural Engineering. Select Proceedings of SEC 2016. Lecture Notes in Civil Engineering (LNCE 11)	15
12	Recent Developments in Waste Management. Select Proceedings of Recycle 2018. Lecture Notes in Civil Engineering (LNCE 57)	14
13	Recycled Waste Materials. Proceedings of EGRWSE 2018. Lecture Notes in Civil Engineering (LNCE 32)	14
14	ICCOEE2020. Proceedings of the 6th International Conference on Civil, Offshore and Environmental Engineering (ICCOEE2020). Lecture Notes in Civil Engineering (LNCE 132)	13
15	Recent Trends in Civil Engineering. Select Proceedings of ICRTICE 2019. Lecture Notes in Civil Engineering (LNCE 77)	13
16	2018 IEEE International Conference "Management of Municipal Waste as an Important Factor of Sustainable Urban Development" (WASTE)	12
17	2019 International Council on Technologies of Environmental Protection (ICTEP). Proceedings	12
18	2021 Moratuwa Engineering Research Conference (MERCon)	12
19	International Scientific Conference Energy Management of Municipal Facilities and Sustainable Energy Technologies EMMFT 2018. Advances in Intelligent Systems and Computing (AISC 983)	12
20	CIGOS 2019, Innovation for Sustainable Infrastructure. Proceedings of the 5th International Conference on Geotechnics, Civil Engineering Works and Structures. Lecture Notes in Civil Engineering (LNCE 54)	11

Total conferences : 1551

## Related controlled terms

#	Controlled terms	Articles
1	<a href="#">recycling</a>	48175
2	<a href="#">reverse logistics</a>	1013
3	<a href="#">environmental legislation</a>	576
4	<a href="#">scrap metal</a>	463
5	<a href="#">WEEE Directive</a>	396
6	<a href="#">design for disassembly</a>	387

#	Controlled terms	Articles
7	<a href="#">food waste</a>	319
8	<a href="#">green computing</a>	14

Total terms : 8

### Related Subject classifications

#	Parent
1	<a href="#">E1800 - Materials handling and distribution</a>

Total codes : 1

#	Siblings	Articles
1	<a href="#">E1830 - Goods distribution</a>	0
2	<a href="#">E1850 - Materials handling equipment</a>	0
3	<a href="#">E1810 - Packaging</a>	0
4	<a href="#">E1820 - Warehousing and storage</a>	0

Total codes : 4

#	Children	Articles
---	----------	----------

Total codes : 0