

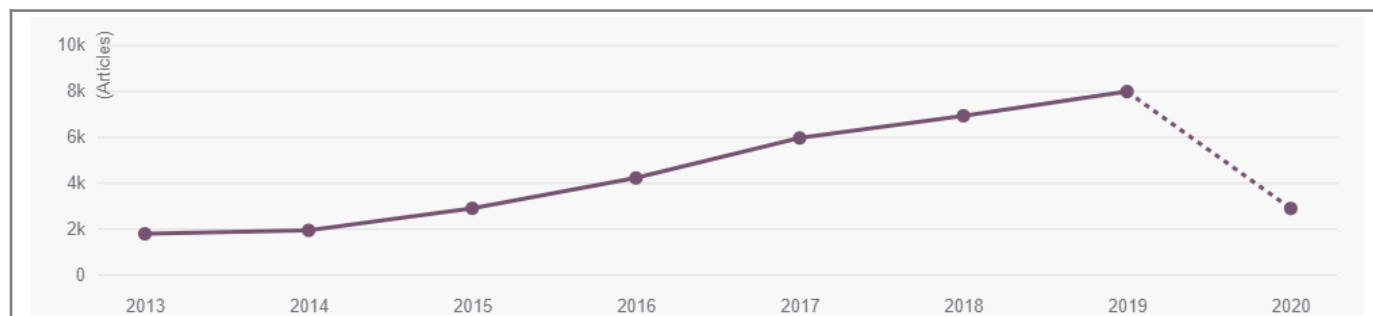
E1840 - Recycling

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Report generated from year 2013 to 2020

<p>Articles published</p> <p>34467 articles published with this Subject classification between 2013 - 2020</p>
<p>Articles published % change</p> <p>Between 2013 - 2019 article output increased 350.68%</p>
<p>Times cited</p> <p>Articles published with this Subject classification between 2013 - 2020 have been cited 92566 times, with an average of 2.69 citations per article</p>

Subject classification over time



#	Year	Articles	% Change	Times cited	Avg times cited
1	2013	1768	n/a	11827	6.69
2	2014	1919	8.54%	12187	6.35
3	2015	2879	50.03%	18725	6.50
4	2016	4202	45.95%	23743	5.65
5	2017	5945	41.48%	19139	3.22
6	2018	6913	16.28%	6378	0.92
7	2019	7968	15.26%	567	0.07
8	2020	2873	n/a	0	0

Co-occurring concepts

#	Controlled terms	Articles
1	recycling	33723
2	waste recovery	9469
3	industrial waste	8659
4	organic compounds	5047
5	compressive strength	3979
6	concrete	3919
7	wastewater treatment	3540
8	cements (building materials)	3464
9	aggregates (materials)	3412
10	sustainable development	3152
11	biofuel	3030
12	scanning electron microscopy	2959
13	waste reduction	2770
14	pH	2769
15	separation	2745
16	catalysts	2465
17	microorganisms	2447
18	adsorption	2446
19	X-ray diffraction	2358
20	catalysis	2341

Total terms : 3804

#	Subject classifications	Articles
1	E1000 - Manufacturing and production	34467
2	E1800 - Materials handling and distribution	34467
3	E1700 - Manufacturing resources and products	26301
4	E0000 - General topics in manufacturing and production engineering	26072
5	E0200 - General support functions	25669
6	E1500 - Production technology	24035
7	E1710 - Engineering materials	23846
8	E0230 - Environmental issues	23211
9	E3000 - Industrial sectors	21363
10	E1525 - Industrial processes	20156
11	E3600 - Manufacturing industries	15486
12	A8000 - Cross-disciplinary physics and related areas of science and technology	10871
13	E2000 - Engineering mechanics	10475
14	E2100 - General mechanics	10000
15	A8600 - Energy research and environmental science	9188
16	E1780 - Products and commodities	8337
17	E2180 - Specific mechanical properties (mechanical engineering)	7845
18	E2180B - Plasticity (mechanical engineering)	6373
19	E3030 - Construction industry	6179
20	E1600 - Measurement and testing	6162

Total codes : 1390

Top organisations

#	Organisations	Articles
1	Tsinghua University Beijing, China Academic	310
2	Tongji University Shanghai, China Academic	281
3	Council of Scientific and Industrial Research New Delhi, India Academic	271
4	Central South University Changsha, China Academic	264
5	Universiti Teknologi Malaysia Skudai, Malaysia Academic	241
6	Shanghai Jiao Tong University Shanghai, China Academic	229
7	University of Science and Technology Beijing Beijing, China Academic	229
8	South China University of Technology Guangzhou, China Academic	223
9	Hong Kong Polytechnic University Kowloon, Hong Kong Academic	208
10	Indian Institute of Technology Delhi New Delhi, India Academic	195

#	Organisations	Articles
11	Zhejiang University Hangzhou, China Academic	190
12	Shandong University Jinan, China Academic	189
13	Universiti Sains Malaysia Minden, Malaysia Academic	187
14	Southeast University Nanjing, China Academic	186
15	Harbin Institute of Technology Harbin, China Academic	185
16	Chongqing University Chongqing, China Academic	176
17	Universidade de Lisboa Lisboa, Portugal Academic	172
18	Universiti Tun Hussein Onn Malaysia Batu Pahat, Malaysia Academic	172
19	University of Malaya Kuala Lumpur, Malaysia Academic	170
20	Wuhan University of Technology Wuhan, China Academic	163

Total organisations : 5601

Journals

#	Journal	Articles
1	Journal of Cleaner Production	2248
2	Construction and Building Materials	2033
3	IOP Conference Series: Materials Science and Engineering	1227
4	Bioresource Technology	953
5	IOP Conference Series: Earth and Environmental Science	952
6	Waste Management	938
7	Chemical Engineering Journal	783
8	Resources, Conservation and Recycling	636
9	Advanced Materials Research	541
10	Applied Mechanics and Materials	482
11	AIP Conference Proceedings	462
12	Journal of Physics: Conference Series	458
13	Waste and Biomass Valorization	435
14	Journal of Material Cycles and Waste Management	402
15	Sustainability	377
16	MATEC Web of Conferences	376
17	Waste Management & Research	355
18	Journal of Hazardous Materials	344
19	Industrial Crops and Products	313
20	Journal of Environmental Chemical Engineering	307

Total journals : 1685

Conferences

#	Conference	Articles
1	Proceedings of the 1st International Conference on Sustainable Waste Management through Design. IC_SWMD 2018. Lecture Notes in Civil Engineering (LNCE 21)	23
2	Airfield and Highway Pavements 2019. Innovation and Sustainability in Highway and Airfield Pavement Technology	22
3	Proceedings of SECON'19. Structural Engineering and Construction Management. Lecture Notes in Civil Engineering (LNCE 46)	19
4	Proceedings of the 9th International Conference on Maintenance and Rehabilitation of Pavements–Mairepav9. Lecture Notes in Civil Engineering (LNCE 76)	19
5	Electronics Goes Green 2016+ (EGG)	17
6	Proceedings of the 5th International Symposium on Asphalt Pavements & Environment (APE). Lecture Notes in Civil Engineering (LNCE 48)	16
7	Proceedings of AICCE'19. Transforming the Nation for a Sustainable Tomorrow. Lecture Notes in Civil Engineering (LNCE 53)	15
8	Recent Advances in Structural Engineering. Select Proceedings of SEC 2016. Lecture Notes in Civil Engineering (LNCE 11)	15
9	Recent Developments in Waste Management. Select Proceedings of Recycle 2018. Lecture Notes in Civil Engineering (LNCE 57)	14
10	Recycled Waste Materials. Proceedings of EGRWSE 2018. Lecture Notes in Civil Engineering (LNCE 32)	14
11	2018 IEEE International Conference "Management of Municipal Waste as an Important Factor of Sustainable Urban Development" (WASTE)	12
12	2019 International Council on Technologies of Environmental Protection (ICTEP). Proceedings	12
13	International Scientific Conference Energy Management of Municipal Facilities and Sustainable Energy Technologies EMMFT 2018. Advances in Intelligent Systems and Computing (AISC 983)	12
14	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
15	Urbanization Challenges in Emerging Economies. Resilience and Sustainability of Infrastructure. Selected Papers from the ASCE India Conference 2017	11
16	Proceedings of 3rd International Sustainable Buildings Symposium (ISBS 2017). Lecture Notes in Civil Engineering (LNCE 6)	10
17	Advances in Sustainable Construction Materials and Geotechnical Engineering. Select Proceedings of TRACE 2018. Lecture Notes in Civil Engineering (LNCE 35)	9
18	Advances in Sustainable Construction Materials. Select Proceedings of ASCM 2019. Lecture Notes in Civil Engineering (LNCE 68)	9
19	GCEC 2017. Proceedings of the 1st Global Civil Engineering Conference. Lecture Notes in Civil Engineering (LNCE 9)	9
20	2015 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM)	8

Total conferences : 1085

Related controlled terms

#	Controlled terms	Articles
1	recycling	33723
2	reverse logistics	761
3	environmental legislation	472
4	scrap metal	356
5	design for disassembly	313
6	WEEE Directive	310

#	Controlled terms	Articles
7	food waste	156
8	green computing	9

Total terms : 8

Related Subject classifications

#	Parent
1	E1800 - Materials handling and distribution

Total codes : 1

#	Siblings	Articles
1	E1820 - Warehousing and storage	9525
2	E1830 - Goods distribution	8609
3	E1850 - Materials handling equipment	6539
4	E1810 - Packaging	6315

Total codes : 4

#	Children	Articles

Total codes : 0