

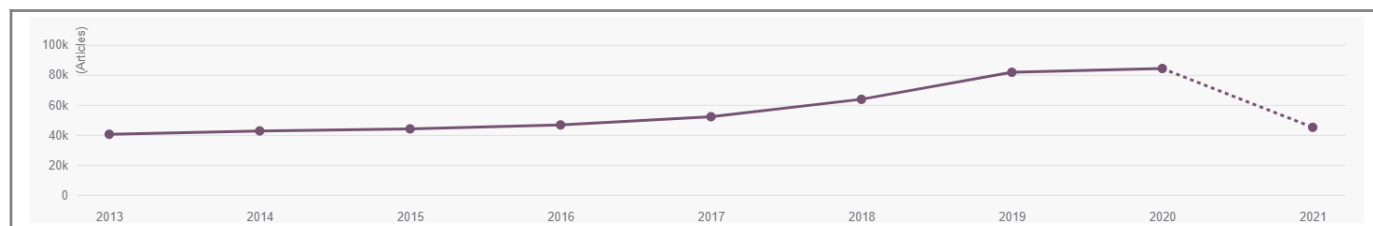
C6130 - Data handling techniques

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Report generated from year 2013 to 2021

<p>Articles published</p> <p>500686 articles published with this Subject classification between 2013 - 2021</p>
<p>Articles published % change</p> <p>Between 2013 - 2020 article output increased 108.47%</p>
<p>Times cited</p> <p>Articles published with this Subject classification between 2013 - 2021 have been cited 511267 times, with an average of 1.02 citations per article</p>

Subject classification over time



#	Year	Articles	% Change	Times cited	Avg times cited
1	2013	40417	n/a	99074	2.45
2	2014	42666	5.56%	101951	2.39
3	2015	44019	3.17%	95721	2.17
4	2016	46648	5.97%	82895	1.78
5	2017	52131	11.75%	68611	1.32
6	2018	63734	22.26%	42700	0.67
7	2019	81767	28.29%	16466	0.20
8	2020	84257	3.05%	3568	0.04
9	2021	45047	n/a	281	0.01

Co-occurring concepts

#	Controlled terms	Articles
1	learning (artificial intelligence)	82766
2	pattern classification	61957
3	data mining	56298
4	data analysis	45473
5	security of data	44744
6	pattern clustering	38976
7	cryptography	34918
8	Internet	34462
9	text analysis	33779
10	data privacy	32518
11	feature extraction	31883
12	cloud computing	27982
13	Big Data	25985
14	data visualisation	25485
15	social networking (online)	23066
16	neural nets	22674
17	mobile computing	20637
18	computer network security	20472
19	natural language processing	19954
20	virtual reality	19715

Total terms : 7008

#	Subject classifications	Articles
1	C6000 - Computer software	500686
2	C6100 - Software techniques and systems	500686
3	C7000 - Computer applications	250509
4	C6130S - Data security	175640
5	C1000 - Systems and control theory	167117
6	C1100 - Mathematical techniques	161068
7	C5000 - Computer hardware	151522
8	B6000 - Communications	148461
9	C6170 - Expert systems and other AI software and techniques	127326
10	C6170K - Knowledge engineering techniques	122873
11	B6100 - Information and communication theory	120712
12	C5200 - Logic design and digital techniques	109484
13	C1140 - Probability and statistics	88872
14	C7200 - Information science and documentation	87320
15	C5260 - Digital signal processing	83222
16	C1140Z - Other topics in statistics	76376
17	C6190 - Distributed systems software	75632
18	C5260B - Computer vision and image processing techniques	69927
19	B6135 - Optical, image and video signal processing	64800
20	C7210 - Information services and centres	64790

Total codes : 2479

Top organisations

#	Organisations	Articles
1	Tsinghua University Beijing, China academic	4621
2	Beijing University of Posts and Telecommunications Beijing, China academic	3798
3	Shanghai Jiao Tong University Shanghai, China academic	3154
4	Zhejiang University Hangzhou, China academic	3125
5	Beihang University Beijing, China academic	2998
6	Nanyang Technological University Singapore, Singapore academic	2944
7	Wuhan University Wuhan, China academic	2915
8	Xidian University Xian, China academic	2738
9	University of Electronic Science and Technology of China Chengdu, China academic	2728
10	National University of Defense Technology Changsha, China academic	2662

#	Organisations	Articles
11	Harbin Institute of Technology Harbin, China academic	2444
12	Peking University Beijing, China academic	2437
13	Carnegie Mellon University Pittsburgh, USA academic	2194
14	State Grid Corporation of China Beijing, China corporate	2163
15	Huazhong University of Science and Technology Wuhan, China academic	2134
16	Beijing Institute of Technology Beijing, China academic	2029
17	University of Science and Technology of China Hefei, China academic	2007
18	International Business Machines Corp Armonk, USA corporate	1987
19	Institute of Information Engineering Chinese Academy of Sciences Beijing, China academic	1900
20	Xi'an Jiaotong University Xi'an, China academic	1870

Total organisations : 14213

Journals

#	Journal	Articles
1	arXiv	23718
2	IEEE Access	10161
3	Journal of Physics: Conference Series	6651
4	Applied Mechanics and Materials	3312
5	Multimedia Tools and Applications	3244
6	Proceedings of SPIE	3235
7	IOP Conference Series: Materials Science and Engineering	3175
8	Procedia Computer Science	2681
9	Expert Systems with Applications	1934
10	Neurocomputing	1893
11	Sensors	1892
12	Computer Engineering and Applications	1865
13	Information Sciences	1600
14	International Journal of Advanced Computer Science and Applications	1530
15	IEEE Transactions on Visualization and Computer Graphics	1499
16	IOP Conference Series: Earth and Environmental Science	1400
17	Journal of Computer Applications	1363
18	Knowledge-Based Systems	1337
19	Computer Graphics Forum	1288
20	Applied Sciences	1279

Total journals : 4243

Conferences

#	Conference	Articles
1	2019 IEEE International Conference on Big Data (Big Data)	458
2	2018 IEEE International Conference on Big Data (Big Data)	426
3	2017 IEEE International Conference on Big Data (Big Data)	402
4	2020 IEEE International Conference on Big Data (Big Data)	383
5	2020 International Joint Conference on Neural Networks (IJCNN)	382
6	2016 IEEE International Conference on Big Data (Big Data). Proceedings	308
7	CHI '20: Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems	296
8	CHI '21: Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems	288
9	2019 IEEE Conference on Virtual Reality and 3D User Interfaces (VR)	286
10	2020 25th International Conference on Pattern Recognition (ICPR)	285
11	2019 International Joint Conference on Neural Networks (IJCNN). Proceedings	267
12	2018 International Joint Conference on Neural Networks (IJCNN)	250
13	2015 IEEE International Conference on Big Data (Big Data)	248
14	ICASSP 2020 - 2020 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP). Proceedings	247
15	CIKM '20: Proceedings of the 29th International Conference on Information & Knowledge Management	246
16	2016 International Joint Conference on Neural Networks (IJCNN)	242
17	ICASSP 2019 - 2019 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP). Proceedings	235
18	2021 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW)	229
19	2018 17th IEEE International Conference On Trust, Security And Privacy In Computing And Communications/ 12th IEEE International Conference On Big Data Science And Engineering (TrustCom/BigDataSE). Proceedings	228
20	2021 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2021)	227

Total conferences : 18883

Related controlled terms

#	Controlled terms	Articles
1	pattern classification	61957
2	data mining	56298
3	data analysis	45473
4	pattern clustering	38976
5	feature extraction	31883
6	Big Data	25985
7	data handling	17162
8	feature selection	8031
9	data compression	7224
10	data acquisition	6404
11	sensor fusion	5667
12	data integrity	4056
13	data reduction	2810
14	data integration	2752

#	Controlled terms	Articles
15	data encapsulation	2612
16	nearest neighbour methods	2581
17	transaction processing	1853
18	sorting	1427
19	random number generation	1325
20	string matching	1248

Total terms : 40

Related Subject classifications

#	Parent
1	C6100 - Software techniques and systems

Total codes : 1

#	Siblings	Articles
1	C6155 - Computer communications software	0
2	C6160 - Database management systems (DBMS)	0
3	C6190 - Distributed systems software	0
4	C6170 - Expert systems and other AI software and techniques	0
5	C6120 - File organisation	0
6	C6140 - Programming languages	0
7	C6115 - Programming support	0
8	C6185 - Simulation techniques	0
9	C6110 - Systems analysis and programming	0
10	C6150 - Systems software	0
11	C6180 - User interfaces	0

Total codes : 11

#	Children	Articles
1	C6130B - Graphics techniques	
2	C6130D - Document processing and analysis techniques	
3	C6130E - Data interchange	
4	C6130G - Groupware	
5	C6130M - Multimedia	
6	C6130S - Data security	
7	C6130V - Virtual reality	

Total codes : 7