

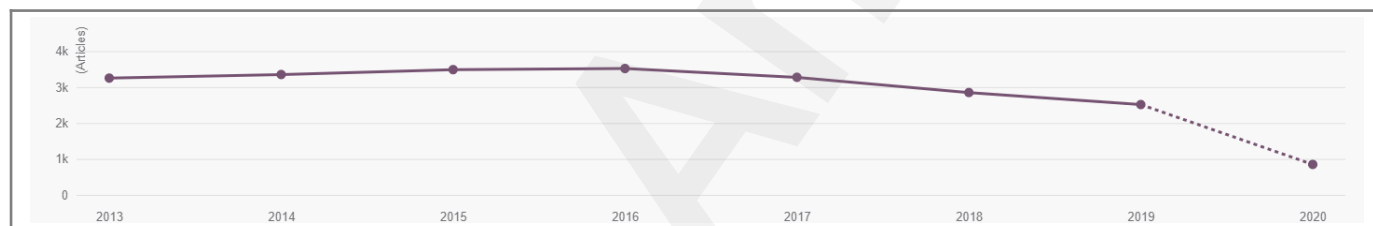
C1230 - Artificial intelligence

[view online](#)

Report generated from year 2013 to 2020

<p>Articles published</p> <p>23087 articles published with this Subject classification between 2013 - 2020</p>
<p>Articles published % change</p> <p>Between 2013 - 2019 article output decreased -22.65%</p>
<p>Times cited</p> <p>Articles published with this Subject classification between 2013 - 2020 have been cited 59740 times, with an average of 2.59 citations per article</p>

Subject classification over time



#	Year	Articles	% Change	Times cited	Avg times cited
1	2013	3250	n/a	14614	4.50
2	2014	3350	3.08%	13653	4.08
3	2015	3486	4.06%	12588	3.61
4	2016	3517	0.89%	9998	2.84
5	2017	3273	-6.94%	6518	1.99
6	2018	2849	-12.95%	2145	0.75
7	2019	2514	-11.76%	224	0.09
8	2020	848	n/a	0	0

Co-occurring concepts

#	Controlled terms	Articles
1	learning (artificial intelligence)	7966
2	neural nets	4466
3	multi-agent systems	3295
4	inference mechanisms	2167
5	optimisation	2016
6	computational complexity	1333
7	Lyapunov methods	1325
8	delays	1286
9	support vector machines	1261
10	regression analysis	1232
11	search problems	1070
12	probability	1055
13	fuzzy set theory	1044
14	graph theory	1026
15	pattern classification	998
16	decision making	937
17	genetic algorithms	925
18	asymptotic stability	859
19	particle swarm optimisation	857
20	evolutionary computation	844

Total terms : 3694

#	Subject classifications	Articles
1	C1000 - Systems and control theory	23087
2	C1200 - Systems theory and cybernetics	23087
3	C1100 - Mathematical techniques	14943
4	C1230L - Learning in AI	8879
5	C1140 - Probability and statistics	7043
6	C1230D - Neural nets	6959
7	C4000 - Numerical analysis and theoretical computer topics	6669
8	C1180 - Optimisation techniques	6422
9	C1160 - Combinatorial mathematics	5314
10	C1140Z - Other topics in statistics	5107
11	C1230R - Reasoning and inference in AI	3968
12	C4200 - Computer theory	3539
13	C4100 - Numerical analysis	3536
14	C6000 - Computer software	3003
15	C6100 - Software techniques and systems	3003
16	C4130 - Interpolation and function approximation (numerical analysis)	2684
17	C1300 - Control theory	2596
18	C1290 - Applications of systems theory	2534
19	E0000 - General topics in manufacturing and production engineering	2488
20	C5000 - Computer hardware	2353

Total codes : 1462

Top organisations

#	Organisations	Articles
1	Southeast University Nanjing, China Academic	301
2	Huazhong University of Science and Technology Wuhan, China Academic	268
3	Nanyang Technological University Singapore, Singapore Academic	193
4	Tsinghua University Beijing, China Academic	185
5	City University of Hong Kong Kowloon, Hong Kong Academic	181
6	Shanghai Jiao Tong University Shanghai, China Academic	181
7	University of Electronic Science and Technology of China Chengdu, China Academic	180
8	Beihang University Beijing, China Academic	177
9	Harbin Institute of Technology Harbin, China Academic	172
10	Islamic Azad University Tehran, Iran Academic	161

#	Organisations	Articles
11	Northeastern University Shenyang, China Academic	159
12	Peking University Beijing, China Academic	155
13	Massachusetts Institute of Technology Cambridge, USA Academic	151
14	Xi'an Jiaotong University Xi'an, China Academic	151
15	Zhejiang University Hangzhou, China Academic	146
16	Dalian University of Technology Dalian, China Academic	144
17	Northwestern Polytechnical University Xi'an, China Academic	138
18	Carnegie Mellon University Pittsburgh, USA Academic	133
19	National University of Singapore Singapore, Singapore Academic	122
20	Sun Yat-Sen University Guangzhou, China Academic	122

Total organisations : 4010

Journals

#	Journal	Articles
1	arXiv	1876
2	Neurocomputing	774
3	IEEE Transactions on Neural Networks and Learning Systems	361
4	International Journal of Advanced Manufacturing Technology	265
5	Neural Networks	245
6	Information Sciences	194
7	IEEE Access	193
8	Mathematical Problems in Engineering	180
9	Neural Computing and Applications	179
10	IEEE Transactions on Cybernetics	175
11	Applied Mechanics and Materials	153
12	Neural Processing Letters	138
13	Applied Soft Computing	136
14	International Journal of Approximate Reasoning	133
15	Expert Systems with Applications	122
16	Computer Engineering and Applications	116
17	International Journal of Production Research	114
18	Neural Computation	110
19	IEEE Transactions on Automatic Control	105
20	IFAC - Papers Online	97

Total journals : 1555

Conferences

#	Conference	Articles
1	2014 International Joint Conference on Neural Networks (IJCNN)	83
2	2016 International Joint Conference on Neural Networks (IJCNN)	81
3	2015 34th Chinese Control Conference (CCC). Proceedings	71
4	2017 36th Chinese Control Conference (CCC). Proceedings	70
5	The 2013 International Joint Conference on Neural Networks (IJCNN)	59
6	2017 International Joint Conference on Neural Networks (IJCNN)	54
7	Proceedings of the 33rd Chinese Control Conference	54
8	2016 35th Chinese Control Conference (CCC)	46
9	2015 International Joint Conference on Neural Networks (IJCNN). Proceedings	43
10	2019 IEEE 58th Conference on Decision and Control (CDC)	43
11	Proceedings of the 32nd Chinese Control Conference (CCC)	41
12	2015 54th IEEE Conference on Decision and Control (CDC). Proceedings	40
13	2013 25th Chinese Control and Decision Conference (CCDC 2013)	37
14	2014 IEEE 53rd Annual Conference on Decision and Control (CDC)	37
15	2016 IEEE 55th Conference on Decision and Control (CDC)	33
16	2016 IEEE Congress on Evolutionary Computation (CEC)	33
17	2017 29th Chinese Control and Decision Conference (CCDC)	33
18	2016 Chinese Control and Decision Conference (CCDC). Proceedings	32
19	2013 IEEE 52nd Annual Conference on Decision and Control (CDC)	30
20	2014 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE)	29

Total conferences : 3032

Related controlled terms

#	Controlled terms	Articles
1	search problems	713
2	multi-agent systems	712
3	particle swarm optimisation	595
4	evolutionary computation	588
5	belief networks	490
6	generalisation (artificial intelligence)	255
7	fuzzy control	226
8	knowledge based systems	222
9	artificial intelligence	138
10	cognitive systems	130
11	heuristic programming	125
12	knowledge representation	110
13	ontologies (artificial intelligence)	97
14	path planning	83
15	planning (artificial intelligence)	81
16	swarm intelligence	77
17	logic programming	73
18	expert systems	70
19	collision avoidance	56

#	Controlled terms	Articles
20	possibility theory	54

Total terms : 36

Related Subject classifications

#	Parent
1	C1200 - Systems theory and cybernetics

Total codes : 1

#	Siblings	Articles
1	C1290 - Applications of systems theory	100384
2	C1260 - Information theory	37860
3	C1220 - Simulation, modelling and identification	21991
4	C1250 - Pattern recognition	7129
5	C1210 - General system theory	3427
6	C1270 - Man-machine systems	478
7	C1240 - Adaptive system theory	350
8	C1295 - Other topics in systems theory	24

Total codes : 8

#	Children	Articles
1	C1230L - Learning in AI	8879
2	C1230D - Neural nets	6959
3	C1230R - Reasoning and inference in AI	3968

Total codes : 3