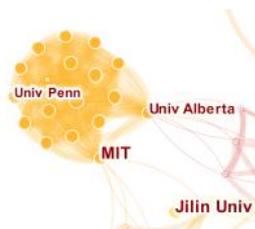


80%



2

1 Top 4

1	408	0.16	USA
2	147	0.11	SPAIN
3	79	0.1	SAUDI ARABIA
4	166	0.1	ENGLAND

4

Chinese Acad Sci

4

2017

Univ Penn

MIT

Univ Alberta

1

1

0.1

0.1

3.2



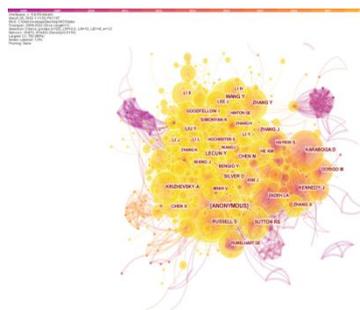
3

3

0.0069

5

3.3



5

5

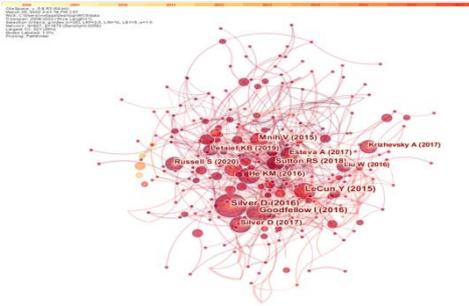
102

LeCun Y

2018

0.1

3.4



6

Top 14 Keywords with the Strongest Citation Bursts

Keywords	Year	Strength	Begin	End	2008 - 2022
genetic algorithm	2008	8.2	2008	2016	-----
artificial neural network	2008	3.81	2010	2018	-----
differential evolution	2008	3.75	2010	2015	-----
design	2008	5.75	2011	2013	-----
search	2008	3.9	2011	2013	-----
time delay	2008	4.44	2012	2013	-----
nonlinear structural system	2008	4.44	2012	2013	-----
flow	2008	3.39	2013	2016	-----
bee colony algorithm	2008	3.35	2013	2016	-----
optimization	2008	4.78	2015	2016	-----
regression	2008	3.76	2015	2016	-----
network	2008	4.62	2017	2018	-----
internet	2008	5.33	2019	2020	-----
5g	2008	4.16	2020	2022	-----

8

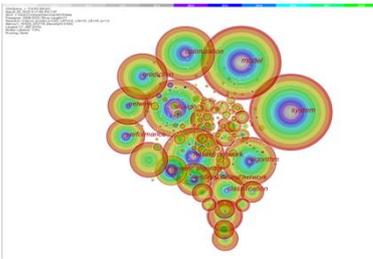
6
Silver D 2016
Goodfellow I 2016
Silver D 2016 nature
Mastering
the game of Go with deep neural networks and tree search [4]
" " " "
LeCun Y 2015
Deep learning [5]

8 2008- 2022 14
genetic algorithm
genetic algorithm artificial neural
network
2019 Internet 5g

4 结论

Web of Science 2008- 2022
" "

3.5



7

1

2

3

4

5

model optimization
neural network
TOP5 system design

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[2] Silver D , Huang A , Maddison C J , et al. Mastering the game of Go with deep neural networks and tree search[J].Nature,2016:484-9.
[3] Lecun Y , Bengio Y ,Hinton G. Deep learning[J].Nature, 2015, 521(7553):436.