

2020

2020

0 0

“ 1994 “ ” 1999
 “ ” 2003
 “ ” 2013
 2019
 28
 2017 2018 2019 274
 91 /
 35 12
 15 6 13 23
 25 71%
 11 20
 6 2 SCI/EI 100
 52
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 “ ” “
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 ” 20

5295

2768

5G

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2020

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5G)

5G

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IDC

5G

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4G

5G

1. 5G

5G

2013

IMT-2020 5G

5G

5G 2018 12

“ 5G ”

2019 5G

5G 2025 5G

14 15 5G 2.2

2017 5G

2030 5G 6.3

2.9 800

5G 10.6 3.6

1150

2018 6

2020 5G

2018 “ 5G ” 2019 “ 5G ”

” 5G

2018 5G 2017

57.62%

2.5G 5G

5G 5G

72.81% 5G 12.49%

9.82% 4.87%

5G

AR/VR 3D

5G

5G

5G

5G

3. 5G

5G

41.57%

36.96%

14.56%

5G

5G

5G

5G

5G

2

2019

5G

5G

5G

5G

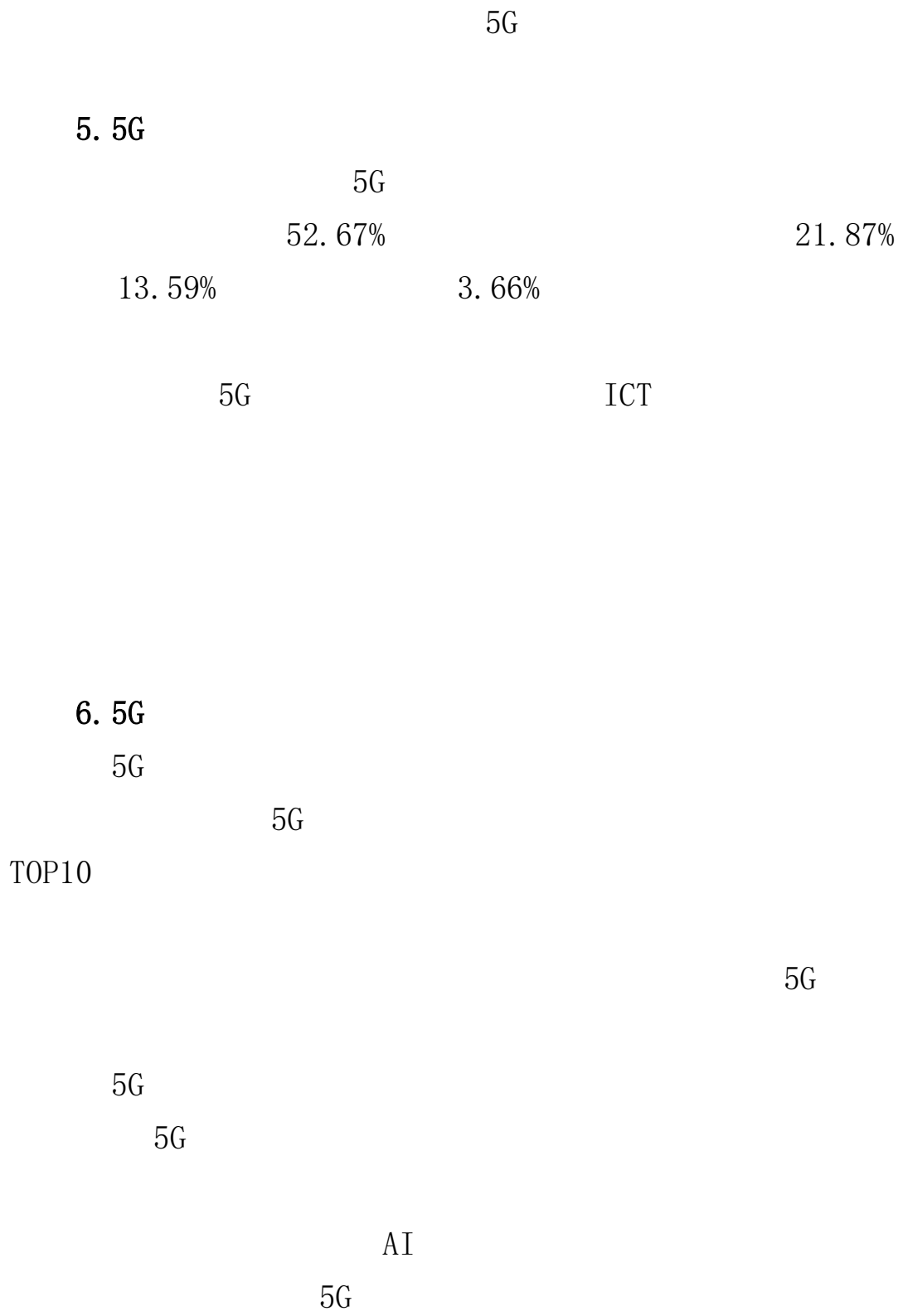
4. 5G

5G

12.46%

5G

5G



5G

5G

5G

40.62%

20-40

15-30

5G

5G

50

5G

7.5G

5G

28.83%

20.22%

16.79%

5G

5G

12

5G

5G

16

5G

2019

5G

5G

2019

2

27

2022

5G

5G

5G

080703

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5

1	1. 1
	1. 2
	1. 3
	1. 4
2.	2. 1
	2. 2
	2. 3
3. /	3. 1

	3.2
	3.3
4.	4.1
	4.2
	4.3
5.	5.1
	5.2
6.	6.1
	6.2

7.	7.1
	7.2
8.	8.1
	8.2
9.	9.1
	9.2
10.	10.1
	10.2
11.	11.1

	11.2
12.	12.1
	12.2

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-13

-15.5

-24

-25.5

-13

-11

13.5

-32

-22

-21

3.5

-21

5G 2.5

2

2.5

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2.5

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1	1.1	
	1.2	C
	1.3	
	1.4	
2.	2.1	
	2.2	

	2.3	
3. /	3.1	


C

3.2



5.	5.1	-2
	5.2	
6.	6.1	
	6.2	
7.	7.1	
	7.2	
8.	8.1	

	8.2	



	12.2	

1.

2.

3.

50

4.

20-25

2.2

CET4

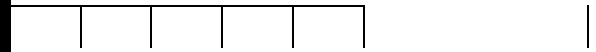
					%								
		35.5	728		32.62%	10	9.5	7.5	5.5	0.5	1.5	0.5	0.5
		38	608		27.24%	13.5	12	5.5	5	1	0	1	0
		21.5	344		15.41%	0	3.5	6	9	3	0	0	0
		15	240		10.75%	0	0	0	0	15	0	0	0
		9	144		6.45%	0	0	0	0	0	7	2	0
		119	2064		92.47%	23.5	25	19	19.5	19.5	8.5	3.5	0.5
		6	96		4.30%	1	0	1	1	1	1	1	0
		4.5	72		3.23%	0	0	0	0	0	2.5	2	0
		10.5	168		7.53%	1	0	1	1	1	3.5	3	0
		129.5	2232		100.00%	24.5	25	20	20.5	20.5	12	6.5	0.5
						13.5	14	14	16	13	13	14	15
						29.04	28.57	22.86	20.50	25.23	14.77	7.43	0.53
		3		4		1	2	0	0	0	0	0	0
		11.5		11.5		0.5	1	4	2	4	0	0	0
		9		11		0	0	0	0	0	4	3	2

							1	2	3	4	5	6	7	8	
2100001030	Morals and Ethics & Fundamentals of Law	3	48	6			3								
2100002030	Chinese Modern History Compendium	3	48	6				3							
2100003050	General Introduction to Mao Zedong Thought and Theoretical System of Socialism with Chinese Characteristics	5	80	14					5						
2100004030	Marxist Philosophy	3	48	6						3					
2100051002	Situation and Policy	2	128	64			0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
2110001030	-1 Colledge English I	3	48				3								
2110002040	-2 Colledge English II	4	64					4							
2110003020	-3	2	32						2						

	College English III														
2130001010	-1 Physical Education I	1	32				1								
2130002010	-2 Physical Education II	1	32					1							
2130009010	-3 Physical Education	1	32						1						
2130010010	-4 Physical Education	1	32							1					
1070021010	Military Theory	1	16					1							
1070022010	College Students Mental Health Education	1	16				1								
2110237015	College Chinese Literature and Language	1.5	24				1.5								
1190008010	Employment guidance for College Students	1	16								1				
1190009020	Entrepreneurship for College Students	2	32							2					
2010284010	Fundamentals of Innovation theory	1	16								1				“ ”
1190003010	Career Planning	1	16				1								
1070023002	Labour Education	2	64	32			0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
		35.5	728	128	0	0	10	9.5	7.5	5.5	0.5	1.5	0.5	0.5	

	Complex Variable Function and Integral Transformation														
2120037020	Field Theory and Mathematical Physical Equation	2	32							2					
2021001010	Introduction Discipline	1	16					1							

	Digital Logic Circuit														
2022033035	Microcomputer Principle and Application	3.5	56		8						3.5				
2024001025	Signals and Systems	2.5	40		6						2.5				
2023005030	Electromagnetic Field and Wave	3	48								3				
		21.5	344	0	30	0	0	3.5	6	9	3	0	0	0	
2024008020	Computer Networks	2	32			10					2				
2024002030	Digital Signal Processing	3	48		8						3				
2023012025	S Information and Coding	2.5	40								2.5				
2024003035	Electronic Circuit of Communication	3.5	56		10						3.5				
2024004030	Communication Principles II	4	64		12						4				
		15	240	0	30	10	0	0	0	0	15	0	0	0	
2024011020	Modern Switching Principle	2	32		8							2			
2024009020	5G Mobile Communication and 5G Technology	2.5	40		8							2.5			
2024012020	(S) Fiber-optic Communication Principles	2.5	40		8							2.5			
2024019020		2	32	16									2		



2

2023101010	Analogue Electronics Circuit Course Design	1	1								1						
2020612020	CAD Electronic Design with CAD Practice	2	2									2					
2023102010	Digital Logic Circuit Course Design	1	1								1						
2024103010	Course Design of Electronic Circuit of Communication	1	1									1					
2024104010	Communication Principle Curricular Design	1	1									1					
		11.5	11.5	0	32	0	0.5	1	4	2	4	0	0	0			
2024106020	5G Integrated Training of Signal Processing	1	1												1		
2024109040	Production Practice	4	4										4				
2024107020	5G Integrated Training of Communication Networks	2	2												2		
2024110020	Graduation Practice	2	4													2	
		9	11	0	0	0	0	0	0	0	0	0	4	3	2		

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
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