



信息简报

【2020】第 10 期 （总第 138 期）
2020年12月

清华大学环境学院编

1. 2020
- 2.
- 3.
4. 2020
- 5.
- 6.
- 7.
- 8.

2020 "



2020 12 27

2020

1965

1981

1984

40

2020 2

9

2018

3

10

" "

2020

2020 12 20

17

- - -

2003



2020 12 22

205

430 25 500 60 10

3

/

2020



2020 12 29

2020

60

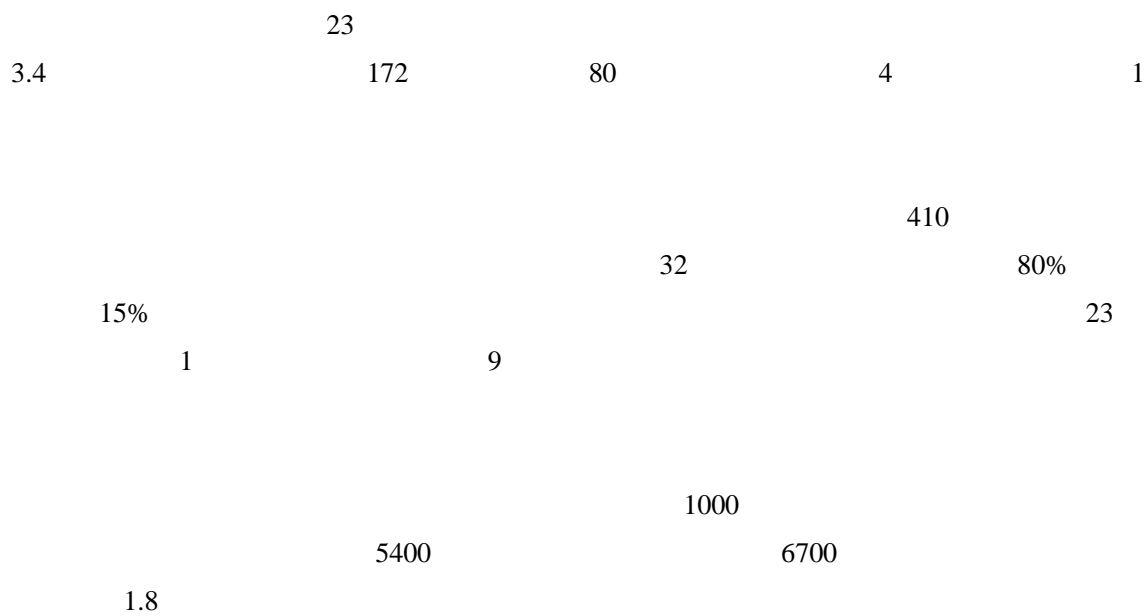
2020

2020

2020

/

2020 12 20



300

17.7

30

12

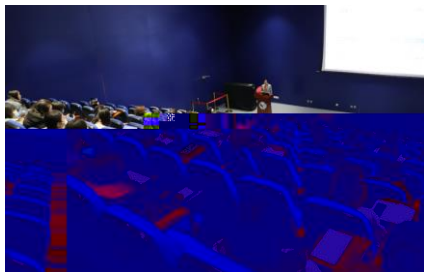
19

40

/

201			5	
14		2		3
5				
				/
"		" "		"
	2019-2020			2019
			2020 12	100%
83.5%				
2010				
2017				
2020		2019	3	62
63	82			
	2020	91		
				/
2020	12	4		

60



/



2020 12 4
30

SDS

/

2020 12 10

60

3.1



16
12 28
10

110

/

0

2020 12 7

0

150

2035

2035

1

2

3

4

2020 12 28

209

30

			11	3	
	17		12		700
				400	
80	8				

2020



2020	12	18		
			2020	93
91				

2017

10	10		3	3
----	----	--	---	---

2020 3

3

/

Microbiome

Diversity and Robustness in Gas-phase Biofilter

Microbiome

Low-dosage Ozone Promotes Community

VOCs

30%

200mg/m³

Co-occurrence networks

<https>

31

5000

2018

/

2020



12 25 -26

2020

120

2020

2020

2019

2020

/

2019



2020 12 22

2020

300

1988

30

27

30

/

/

/PAA

/

1988 32

27 /

2019 10

2020 12 30

2015 2007

28 93 65

2012

/

2020 12 24



/

/

" 2020



2020 12 8

2020

29

2018

5 50 / /

2020-2021



2020 12 29

205

21

GEP

GELP

30

/

2020 12 16



13

TOC

30%

70%

/



568



2020 12 17

568

50

1.5

1.5

CNC-IHDP

/

010-62771528

010-62785687

soexc@tsinghua.edu.cn

<http://www.env.tsinghua.edu.cn>