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: 010-62755052

: 15334723114

: shangxy_pku@163.com

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: 010-62752059

: 13810429046

: hej j @pku.edu.cn

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		81			75			1		
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	/	11					35443.0000			
		24		3073.1880			20		2798.1880	
		13		49500.0000			6		26000.0000	

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			5		/	13	/	2	/		10
		/	0		0.0000		0		0.0000		
		/	/				/				
									2014		68.4870
				/		/			2015		501.0000
		6000	2600	257	3649.0000	43	531.0000		2016		30.0000

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2 PCT Patent Cooperation Treaty

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/ : CO2

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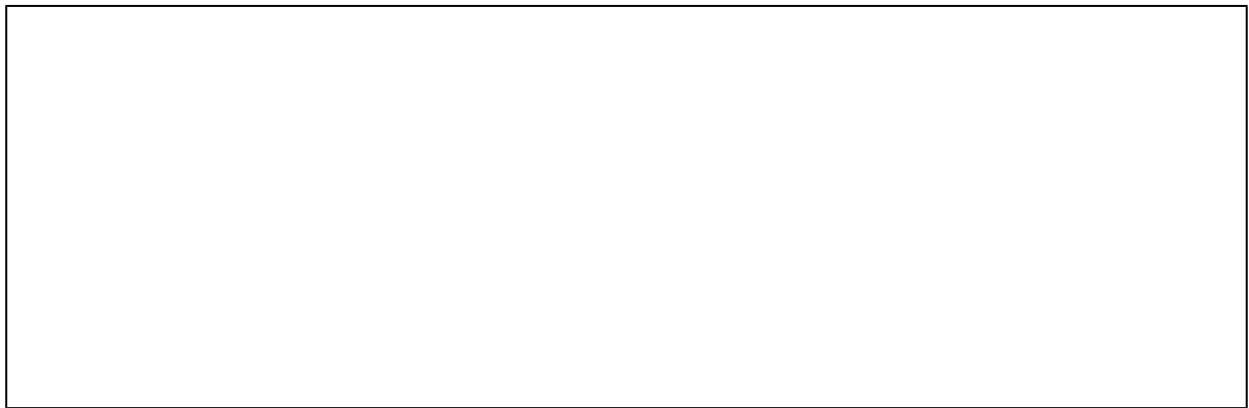
4.

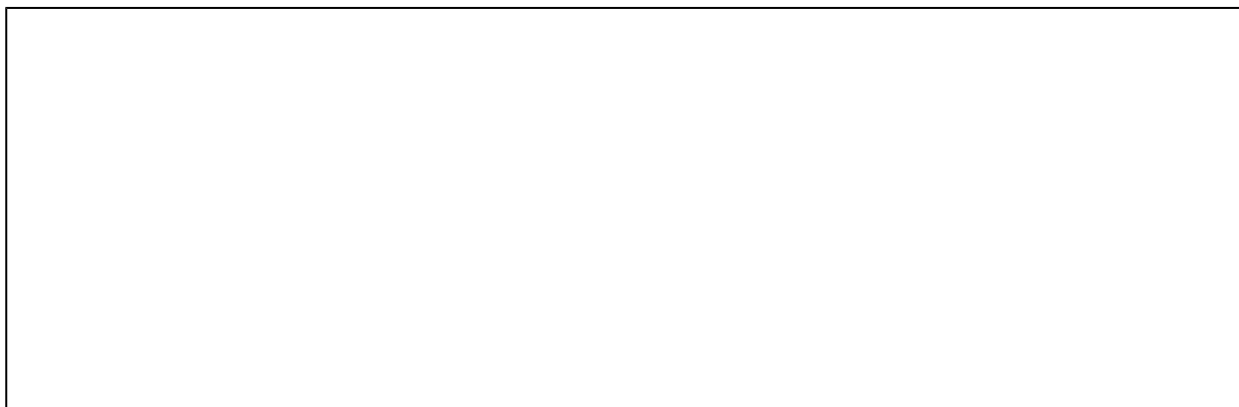
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(45)		42
(25)		24
(20)		19
		94







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1	CO2		2014	76.0		A
2			2014	86.0		A
3			2014	380.0	863	B
4			2014	220.0		B
5			2014	26.0		B
6	HFC134a		2014	80.0		A
7			2014	200.0	973	B
8			2014	80.0		A

9			2014	82.0		A
10	-		2014	75.0		A
11			2014	126.0		B
12			2014	40.0		A
13	HFC134a		2014	80.0		A
14			2014	75.0		A
15			2014	80.0		A
16			2014	28.0		A
17			2014	100.0		A
18			2015	86.0		A

19			2015	80.0		A
20			2015	72.0		A
21	CO2		2015	76.0		A
22			2015	123.97		B
23			2015	354.4		A
24			2015	278.0		A
25			2015	32.0		A
26			2015	256.0		A
27			2016	1050.0		A
28			2016	300.0		A



1			2014	50.0		A
2	DS	0	2014	53.0		A
3			2014	6.0		B
4			2014	40.0		A
5			2014	70.0		A
6			2015	50.0		A
7			2015	34.0		A
8			2015	65.0		A
9			2015	11.0		B
	PU					

10	HCFC-141b 2		2015	43.0		A
11	BAT/BEP POPs		2015	65.0		A
12			2016	200.0		A
13			2016	300.0		A
14			2014	40.0		B
15			2014	28.0	" " "	B
16			2014	4.0		B
17			2014	50.0	" "	B
18	BAT/BEP POPs		2014	65.0		B
19			2014	400.0		B

20			2014	11.0		B
21			2014	50.0		A
22	DS	0	2014	53.0		A
23			2014	6.0		B
24			2014	40.0		A
25			2014	70.0		A
26			2015	50.0		A
27			2015	34.0		A
28			2015	65.0		A
29			2015	11.0		B
30	PU HCFC-141b 2		2015	43.0		A

31	BAT/BEP POPs		2015	65.0		A
32			2016	200.0		A
33			2016	300.0		A

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300 A B A B A 2013
 2014 2013 300

					/	SCI
1	Numerical simulations of the piston effect for near-critical fluids in spherical cells under small thermal disturbance	Zhan-Chao Hu Xin-Rong Zhang	2016		International Journal of Thermal Sciences	
2	Abnormal microchannel convective fluid flow near the gas-liquid critical point	Lin Chen Xin-Rong Zhang Junnosuke Okajima Shige-nao Maruyama	2014		Physica A: Statistical Mechanics and Its Applications	
3	Effective slip boundary conditions for sinusoidally corrugated surfaces	Lin Guo, Shi yi Chen, Mark O Robbins	2016		Physical Review Fluids	
4	Microalgal carotenoids: beneficial effects and potential in human health	Zhang, J., Sun, Z., Sun, P. P., Chen, T. P. & Chen, F.*	2014		Food & Function	
5	Thermodynamic analysis of representative power generation cycles for low-to-medium tem	i-Cong Yu, Lin Chen, Yan Zhao, Hong-Xu Li, X. R. Zha	2015		International Journal of Energy Research	

	perature applications	ng*				
6	Numerical simulation on the optical and thermal performance of a modified integrated compound parabolic solar concentrator	Lin Chen, Ji a-Xi a ng Chen and Xi n-R ong Zhang	2014	International Journal of Energy Research		
7	Effective slip boundary conditions for sinusoidally corrugated surfaces	Lin Guo, Shi yi Chen, Mark O Robbin s	2016	Physical Review Fluids		
8	Microalgal carotenoids: beneficial effects and potential in human health	Zhang, J., Sun, Z ., Sun, P. P., Chen, T. P. & Chen, F .*	2014	Food & Function		
9	Thermodynamic analysis of representative power generation cycles for low to-medium temperature applications	i -Cong Yu, Lin Chen, Yan Zhao, Hon g-Xu Li, X. R. Zha ng*	2015	International Journal of Energy Research		
10	Numerical simulation on the optical and thermal performance of a modified integrated compound parabolic	Lin Chen, Ji a-Xi a ng Chen and Xi n-R ong Zhang	2014	International Journal of Energy Research		

	solar concentrator					
11	Effective slip boundary conditions for sinusoidally corrugated surfaces	Lin Guo, Shi yi Chen, Mark O Robbins	2016	Physical Review Fluids		
12	Microalgal carotenoids: beneficial effects and potential in human health	Zhang, J., Sun, Z., Sun, P. P., Chen, T. P. & Chen, F.*	2014	Food & Function		
13	Thermodynamic analysis of representative power generation cycles for low-to-medium temperature applications	Li-Cong Yu, Lin Chen, Yan Zhao, Hong-Xu Li, X.R. Zhang*	2015	International Journal of Energy Research		
14	Effective slip boundary conditions for sinusoidally corrugated surfaces	Lin Guo, Shi yi Chen, Mark O Robbins	2016	Physical Review Fluids		
15	Numerical simulation on the optical and thermal performance of a modified integrated compound parabolic solar concentrator	Lin Chen, Ji a-Xiang Chen and Xi n-Rong Zhang	2014	International Journal of Energy Research		
	Microalgal carote					

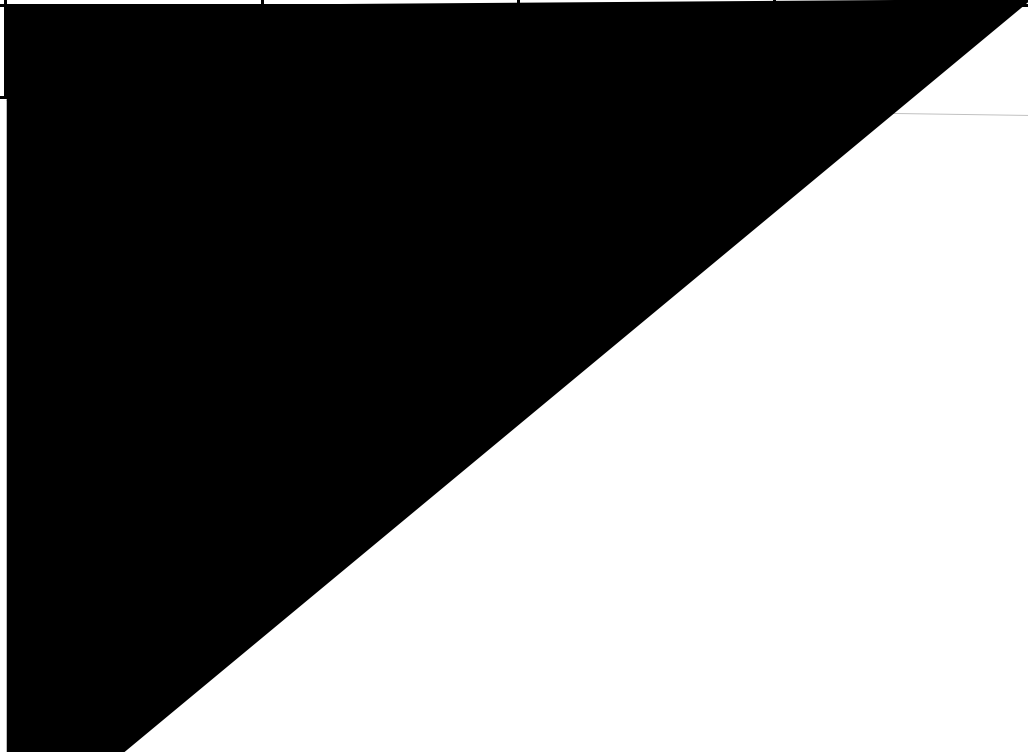
16	noids: beneficial effects and potential in human health	Zhang, J., Sun, Z., Sun, P.P., Chen, T.P. & Chen, F.*	2014	Food & Function		
17	Thermodynamic analysis of representative power generation cycles for low to-medium temperature applications	i-Cong Yu, Lin Chen, Yan Zhao, Hong-Xu Li, X.R. Zhang*	2015	International Journal of Energy Research		
18	Numerical simulation on the optical and thermal performance of a modified integrated compound parabolic solar concentrator	Lin Chen, Ji a-Xi a ng Chen and Xi n-R ong Zhang	2014	International Journal of Energy Research		
19	Effect of residual interface stress on thermo-elastic properties of unidirectional fiber-reinforced nanocomposites	Chen Y, Zhang Z, Huang R, Huang Z	2016	International Journal of Mechanical Sciences		
20	Effective slip boundary conditions for sinusoidally corrugated surfaces	Lin Guo, Shi yi Chen, Mark O Robbins	2016	Physical Review Fluids		
	A new fatigue failure theory for m					

21	Multi-directional fibre-reinforced composite laminates with arbitrary stacking sequence	Dong, H., Li, Z., Wang, J. and Karimhaloo, B. L.	2016	International Journal of Fatigue		
22	Microalgal carotenoids: beneficial effects and potential in human health	Zhang, J., Sun, Z., Sun, P. P., Chen, T. P. & Chen, F.*	2014	Food & Function		
23	Abnormal Microchannel Convective Fluid Flow near the Gas-Liquid Critical Point	L. Chen, X. R. Zhang*	2014	Physica A		
24	Thermodynamic analysis of representative power generation cycles for low-to-medium temperature applications	Li-Cong Yu, Lin Chen, Yan Zhao, Hong-Xu Li, X. R. Zhang*	2015	International Journal of Energy Research		
25	Performance Evaluation of a Non-tracking Solar Concentrator in Terms of Optical and Thermal Characteristics	Abid Ustaoglu, Junnosuke Okajima, Xin-Rong Zhang, and Shigenao Maruyama	2015	Environmental Progress & Sustainable Energy		
26	Numerical simulation on the optical and thermal performance of a modified integrated c	Lin Chen, Jia-Xiang Chen and Xin-R	2014	International Journal of Energy Re		

Compound parabolic solar concentrator	ong Zhang		search		
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1	Energy Solutions to Global warming	Xi n-Rong Zhang, I brahi m Di ncer	2016



11		201323854215		2014			
12		20142064672		2014			
13		201310610631		2014			
14		201310609846		2014			
15		201310631238 X		2014			
16		201310717562		2014			
17		201310333120		2014			
18		201310644532		2014			
19		201310649619		2014			
20		201310469455		2014			
21		201310715528		2014			
22		201410270346		2014			
23		201420743049		2014			

35		201610115417		2016			
36		201610082552		2016			
37		201610068976		2016			
38		201620013078		2016			
39		201620036032		2016			
40		201610024746		2016			
41		201620036034		2016			
42		201610024741		2016			

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3 PCT Patent Cooperation Treaty

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4 PCT

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1	CO2	Q/KD0001-2014		B
2		VB/T 1046-2012		B
3		GB/T2918-2008		B
4		DB11/T 1346-2016		A
5		DB11/T 1211-2015		A
6		DB11/T 1212-2015		A
7		DB11/T 1209-2015		A
8		DB11/T 1210-2015		A
9		DB11/T 1232-2015		A

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1							1	2016
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6	El sevi er (Most Cite d Chi nese Re searchers)				El sevi er			2016
7							1	2015

8	El sevi er (Most Cite d Chi nese Re searchers)				El sevi er			2015
9	El sevi er (Most Cite d Chi nese Re searchers)				El sevi er			2014

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1			8000.0	
2	NW CO2		3000.0	
3	CO2		5000.0	
4			8000.0	
5			800.0	
6	/		1000.0	
7	/		800.0	
8			800.0	
9			2000.0	
10			3657.0	
11			2386.0	

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1	MW				2014		100.0
2	LNG -				2014		110.0
3					2014		430.0
4					2014		220.988
5					2014		1500.0
6	" "				2014		25.0
7					2014		20.0
8					2014		25.0
9					2014		15.0

10					2014		15.0
11					2014		15.0
12	LNG	-			2015		100.0
13					2015		200.0
14					2015		37.2
15	"	"			2015		15.0
16					2015		15.0
17					2015		15.0
18					2015		100.0
19					2015		5.0

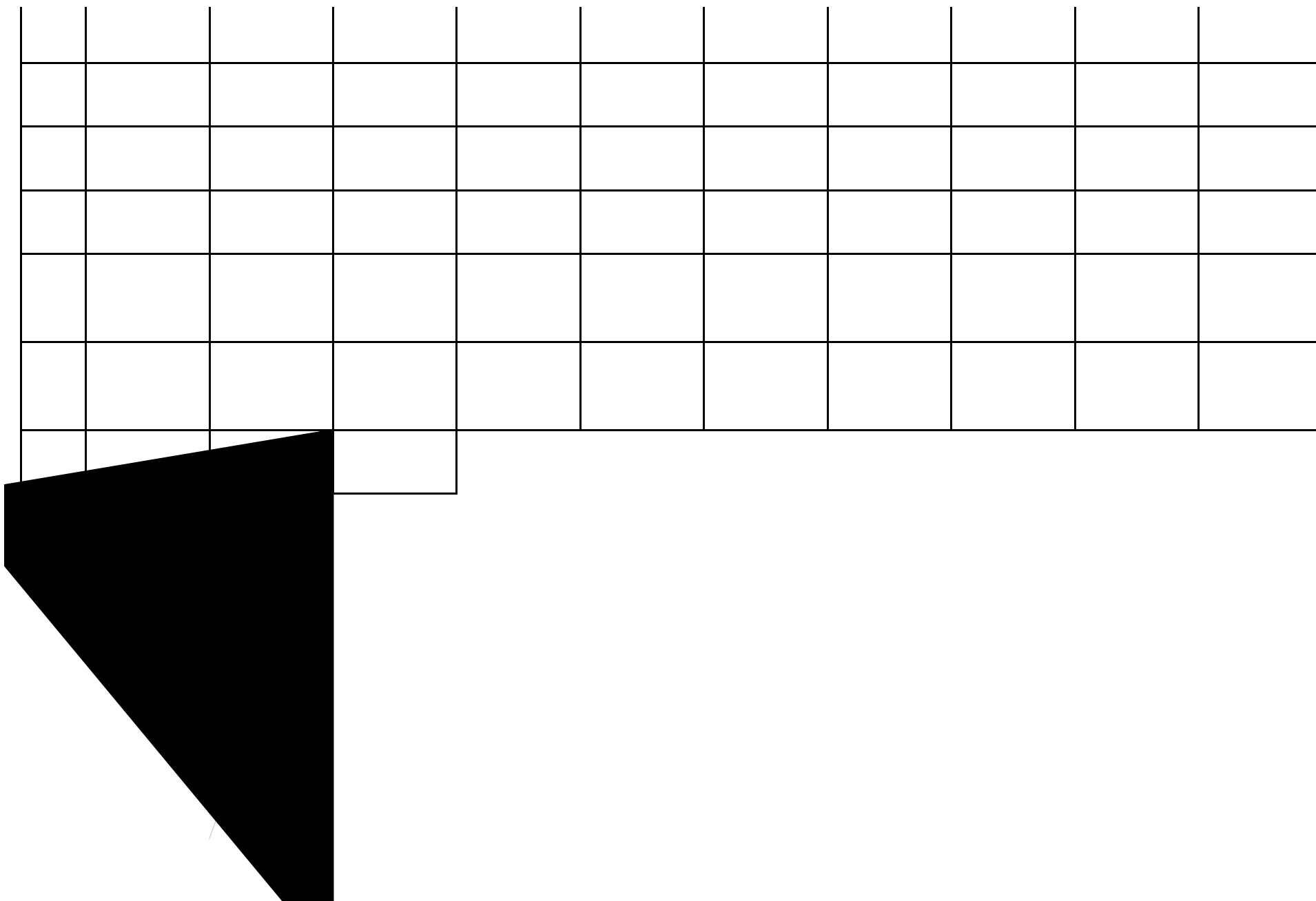


1			4000.0	
2	100KW CO2		12000.0	
3	MW CO2		3000.0	
4			8000.0	
5			2000.0	
6	70kW		1000.0	
7	CO2		500.0	
8	CO2		1000.0	
9			10000.0	
10			1000.0	
11			1000.0	
12			1000.0	

13	002	5000.0	
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							2014. 12-		
							2013. 01-		
2			1956-10-0 1				2013 1 200		
3			1972-09-2 9						
			1969-09-0				---		



17			1961-02-07						
18			1974-02-22						
19			1971-11-10						
20			1972-03-24						
21			1967-10-24				2007-		
							2012-		
							2014-2019		
22			1979-09-28						
23			1961-12-18						
			1961-08-2						

24			5						
25			1968-03-11						
26			1969-05-02						
27			1982-06-26				IEEE INFORMS		
28			1968-12-03				1- 201 1- 201 5- 2010 2011- 2015		

								2006-		
								Regional Editor of Journal of Flow Control, Measurement & Visualization		
29			1974-07-20							
30			1962-12-27							
31			1962-08-03							
32			1962-01-26							
33			1960-06-20							
34			1973-05-15							
35			1957-05-16							
			1956-01-3							

36			0							
37			1961-12-02							
38			1975-05-19							
39			1954-05-06							
40			1973-04-09							
41			1967-12-18							
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59			1989-02-02							
60			1983-07-03							
61			1988-02-16							
62			1987-01-05							

63			1981-11-2 7							

71			1977/08							
72			1971/10							
73			1981/11							
74			1978/11							
75			1970/06/3 0							
76			1964/06/1 6							
77			1982/09/0 8							
78			1989/09/0 5							
79			1988/08/1 8							
80			1987/08/2 4							
81			1979/09/2 8							
82			1983/12/1 0							
83			1984/05/0 4							
84			1976/02/1 3							

85			1984/09/0 1							
86			1977/12/2 7							
87			1985/06/0 3							
88			1986/07/1 1							

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1	2014-06		54	
2	2014-05		1101	
3	2014-08		2000	
4	2014-10		1000	" "
5	2014-07		48	
6	2015-03		300	2015
7	2015-06		65	
8	2015-07		85	
9	2015-08		50	
10	2015-09		60	
11	2015-11		60	

12	2015- 11		30	
13	2016- 02		72	
14	2016- 05		96	
15	2016- 05		200	
16	2016- 05		200	
17	2016- 07		1000	" "
18	2016- 06		50	
19	2016- 08		200	
20	2016- 09		80	
21	2016- 09		65	
22	2016- 10		55	
23	2016- 12		47	
24	2016- 12		50	

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1	2014-12			
2	2015-3			
3	2015-12			2015 2016
4	2016-06			
5	2016-12			2016 2017

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1					2014	200.0
2					2015	150.0
3	X				2016	160.0

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1	Ronal d W ennersten			2014. 5. 25- 29
2	Xi anguo Li			2014. 5. 25- 29
3	Il ham i Yi l di z			2014. 5. 25- 29
4	I brahi m Di ncer			2014. 5. 25- 29
5	Hi roshi Yanaguchi			2014. 5. 25- 29 CO2-
6	Zuomi n Dong			2014. 5. 25- 29
7	Ji nyue Yan			2014. 11. 17-19
8				2014. 11. 18-20 " "
				2014. 12. 3-5

9	Susan Krumoľeck			
10	Milivoje Kostic			2015. 11
11	Hiroshi Yamaguchi			2015. 6
12				2015. 5
13	Mehmet Arik			2015. 4
14	Milivoje Kostic			2016. 03
15	Trygve Magne Eikevik			2016. 10
16	Hiroshi Yamaguchi			2016. 04
17	Katsumi Fujina			2016. 07
18	Giacomo Pisano			2016. 07
19	Yuhiro Iwanoto			2016. 08
20				2016. 10
21				2016. 12

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12			2014-10	2	1 21
13			2014-11	301	
14			2014-11	301	
15			2014-11	313	" "
16			2014-11	60	
17			2014-12	906	
18			2014-12	906	
19			2015-05		
20			2015-06		
					2015

21	2015		2015-06		
22			2016-07		
23			2016-11		

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1	International Conference on Clean Energy	2014-06	Istanbul, Turkey		Functional Fluids and Their Thermal Energy Conversion by Molecular Design Method
2		2016			

