Norihiko Iki

List of Publications by Year
in descending order

36	1,072	1040056 9	996975 15
papers	citations	h-index	g-index

36	36	36	521
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development and validation of rare earth modified Fe-BEA SCR catalyst for mitigation of NOx from NH3 gas turbine. Cleaner Materials, 2022, 4, 100096.	5.1	1
2	Liquid ammonia spray combustion in two-stage micro gas turbine combustors at 0.25 MPa; Relevance of combustion enhancement to flame stability and NOx control. Applications in Energy and Combustion Science, 2021, 7, 100038.	1.5	12
3	Control of NOx and other emissions in micro gas turbine combustors fuelled with mixtures of methane and ammonia. Combustion and Flame, 2020, 211, 406-416.	5.2	197
4	Towards the development of an efficient low-NOx ammonia combustor for a micro gas turbine. Proceedings of the Combustion Institute, 2019, 37, 4597-4606.	3.9	201
5	Emission characteristics of turbulent non-premixed ammonia/air and methane/air swirl flames through a rich-lean combustor under various wall thermal boundary conditions at high pressure. Combustion and Flame, 2019, 210, 247-261.	5.2	110
6	Development of a wide range-operable, rich-lean low-NOx combustor for NH3 fuel gas-turbine power generation. Proceedings of the Combustion Institute, 2019, 37, 4587-4595.	3.9	127
7	NOx Reduction in a Swirl Combustor Firing Ammonia for a Micro Gas Turbine. , 2018, , .		1
8	Success of Ammonia-Fired, Regenerator-Heated, Diffusion Combustion Gas Turbine Power Generation and Prospect of Low NOx Combustion With High Combustion Efficiency. , 2017, , .		3
9	Operation and Flame Observation of Micro Gas Turbine Firing Ammonia. , 2017, , .		1
10	Performances and emission characteristics of NH3â€“air and NH3CH4â€“air combustion gas-turbine power generations. Proceedings of the Combustion Institute, 2017, 36, 3351-3359.	3.9	292
11	Effect of Ambient Electrons on Primary Discharge Energy in Laser-Induced Discharge. IEEE Transactions on Plasma Science, 2017, 45, 2416-2421.	1.3	0
12	Micro Gas Turbine Firing Ammonia. , 2016, , .		3
13	Micro Gas Turbine Firing Kerosene and Ammonia. , 2015, , .		19
14	ICOPE-15-1139 Power generation by a micro gas turbine firing kerosene and ammonia. The Proceedings of the International Conference on Power Engineering (ICOPE), 2015, 2015.12, _ICOPE-15--_ICOPE-15-.	0.0	2
15	Flow visualization of a non-contact transport device by Coanda effect. , 2014, , .		0
16	Micro gas turbine cogeneration system with latent heat storage at the University: Part II: Part load and thermal priority mode. Applied Thermal Engineering, 2014, 65, 246-254.	6.0	10
17	Micro gas turbine cogeneration system with latent heat storage at the University: Part I: Plan and energy flow test. Applied Thermal Engineering, 2014, 65, 513-523.	6.0	11
18	Micro gas turbine cogeneration system with latent heat storage at the University: Part III: Temperature control schedule. Applied Thermal Engineering, 2014, 70, 705-715.	6.0	5

#	Article	IF	Citations
19	Performance of IGFC With Exergy Recuperation. , 2014, , .		0
20	System modeling of exergy recuperated IGCC system with pre- and post-combustion CO2 capture. Applied Thermal Engineering, 2013, 54, 310-318.	6.0	45
21	Analysis of IGFC With Exergy Recuperation and Carbon Dioxide Separation Unit. , 2012, , .		3
22	Start Time Control of Micro Gas Turbine CHP System With Heat Storage. , 2011, , .		1
23	System Analysis of IGFC With Exergy Recuperation Utilizing Low-Grade Coal. , 2011, , .		7
24	Solver Convergence of IGFC Process Simulation. , 2011, , .		0
25	Energy Flow of Advanced IGCC With CO2 Capture Option. , 2010, , .		1
26	Remote Measurement and Heat Demand Control of CHP System With Heat Storage at Sapporo City University. , 2010, , .		0
27	A201 POTENTIAL ABILITY OF IGCC WITH EXERGY RECUPERATION IN GASIFICATION PROCESS(Gas Turbine-4). The Proceedings of the International Conference on Power Engineering (ICOPE), 2009, 2009.2, _2-1_-_2-5_.	0.0	1
28	A Numerical and an Experimental Study for Optimization of a Small Annular Combustor. Journal of Power and Energy Systems, 2008, 2, 921-933.	0.5	2
29	Gas Turbine With Ceramic and Metal Components. , 2007, , 901.		2
30	Anumerical and an Experimental Study for Optimization of a Small Annular Combustor. , 2007, , 1429-1435.		1
31	Effect of Radiation Reabsorption on Laminar Burning Velocity of Methane Premixed Flame Containing with Steam and Carbon Dioxide. JSME International Journal Series B, 2006, 49, 260-264.	0.3	2
32	Micro Gas Turbine With Ceramic Nozzles and Rotor: Part 2. , 2006, , .		4
33	Potential of a Reheat Gas Turbine System Using Inverted Brayton cycle. , 2005, , 299.		0
34	Micro Gas Turbine With Ceramic Nozzle and Rotor. , 2005, , 973.		8
35	Influence of Radiation Reabsorption on Laminar Burning Velocity of Methane Premixed Flame Composed With Steam and Carbon Dioxide. , 2005, , 813.		0
36	Simulation of CO2 Recovering Closed Gas Turbine with CH4-O2 Firing.. JSME International Journal Series B, 2002, 45, 451-456.	0.3	0