

# Norihiko Iki

## List of Publications by Year in descending order

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36  
papers

1,072  
citations

1040056

9  
h-index

996975

15  
g-index

36  
all docs

36  
docs citations

36  
times ranked

521  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performances and emission characteristics of NH <sub>3</sub> -air and NH <sub>3</sub> CH <sub>4</sub> -air combustion gas-turbine power generations. Proceedings of the Combustion Institute, 2017, 36, 3351-3359.	3.9	292
2	Towards the development of an efficient low-NO <sub>x</sub> ammonia combustor for a micro gas turbine. Proceedings of the Combustion Institute, 2019, 37, 4597-4606.	3.9	201
3	Control of NO <sub>x</sub> 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	Development of a wide range-operable, rich-lean low-NO <sub>x</sub> combustor for NH <sub>3</sub> fuel gas-turbine power generation. Proceedings of the Combustion Institute, 2019, 37, 4587-4595.	3.9	127
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	System modeling of exergy recuperated IGCC system with pre- and post-combustion CO <sub>2</sub> capture. Applied Thermal Engineering, 2013, 54, 310-318.	6.0	45
7	Micro Gas Turbine Firing Kerosene and Ammonia. , 2015, , .		19
8	Liquid ammonia spray combustion in two-stage micro gas turbine combustors at 0.25 MPa; Relevance of combustion enhancement to flame stability and NO <sub>x</sub> control. Applications in Energy and Combustion Science, 2021, 7, 100038.	1.5	12
9	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
10	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
11	Micro Gas Turbine With Ceramic Nozzle and Rotor. , 2005, , 973.		8
12	System Analysis of IGFC With Exergy Recuperation Utilizing Low-Grade Coal. , 2011, , .		7
13	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
14	Micro Gas Turbine With Ceramic Nozzles and Rotor: Part 2. , 2006, , .		4
15	Analysis of IGFC With Exergy Recuperation and Carbon Dioxide Separation Unit. , 2012, , .		3
16	Micro Gas Turbine Firing Ammonia. , 2016, , .		3
17	Success of Ammonia-Fired, Regenerator-Heated, Diffusion Combustion Gas Turbine Power Generation and Prospect of Low NO <sub>x</sub> Combustion With High Combustion Efficiency. , 2017, , .		3
18	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

#	ARTICLE	IF	CITATIONS
19	Gas Turbine With Ceramic and Metal Components. , 2007, , 901.		2
20	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
21	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
22	Start Time Control of Micro Gas Turbine CHP System With Heat Storage. , 2011, , .		1
23	Operation and Flame Observation of Micro Gas Turbine Firing Ammonia. , 2017, , .		1
24	NOx Reduction in a Swirl Combustor Firing Ammonia for a Micro Gas Turbine. , 2018, , .		1
25	Anumerical and an Experimental Study for Optimization of a Small Annular Combustor. , 2007, , 1429-1435.		1
26	Energy Flow of Advanced IGCC With CO2 Capture Option. , 2010, , .		1
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	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
29	Simulation of CO2 Recovering Closed Gas Turbine with CH4-O2 Firing.. JSME International Journal Series B, 2002, 45, 451-456.	0.3	0
30	Potential of a Reheat Gas Turbine System Using Inverted Brayton cycle. , 2005, , 299.		0
31	Influence of Radiation Reabsorption on Laminar Burning Velocity of Methane Premixed Flame Composed With Steam and Carbon Dioxide. , 2005, , 813.		0
32	Solver Convergence of IGFC Process Simulation. , 2011, , .		0
33	Flow visualization of a non-contact transport device by Coanda effect. , 2014, , .		0
34	Performance of IGFC With Exergy Recuperation. , 2014, , .		0
35	Effect of Ambient Electrons on Primary Discharge Energy in Laser-Induced Discharge. IEEE Transactions on Plasma Science, 2017, 45, 2416-2421.	1.3	0
36	Remote Measurement and Heat Demand Control of CHP System With Heat Storage at Sapporo City University. , 2010, , .		0