

Yuki Ueda

List of Publications by Year in descending order

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115
papers

1,061
citations

331670

21
h-index

434195

31
g-index

115
all docs

115
docs citations

115
times ranked

435
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability analysis of thermally induced spontaneous gas oscillations in straight and looped tubes. Journal of the Acoustical Society of America, 2008, 124, 851-858.	1.1	106
2	Experimental studies of a thermoacoustic Stirling prime mover and its application to a cooler. Journal of the Acoustical Society of America, 2004, 115, 1134-1141.	1.1	98
3	Experimental verification of a two-sensor acoustic intensity measurement in lossy ducts. Journal of the Acoustical Society of America, 2008, 124, 1584-1590.	1.1	62
4	Measurements of acoustic streaming in a looped-tube thermoacoustic engine with a jet pump. Journal of Applied Physics, 2007, 101, 064914.	2.5	48
5	Experimental evaluation of the acoustic properties of stacked-screen regenerators. Journal of the Acoustical Society of America, 2009, 125, 780-786.	1.1	46
6	Acoustic field in a thermoacoustic Stirling engine having a looped tube and resonator. Applied Physics Letters, 2002, 81, 5252-5254.	3.3	42
7	Calculation Method for the Prediction of the Performance of a Traveling-Wave Thermoacoustic Cooler. Journal of Power and Energy Systems, 2008, 2, 1276-1282.	0.5	38
8	Numerical analysis of an advanced three-bed mass recovery adsorption refrigeration cycle. Applied Thermal Engineering, 2009, 29, 2876-2884.	6.0	38
9	Work flow measurements in a thermoacoustic engine. Cryogenics, 2001, 41, 305-310.	1.7	36
10	Critical temperature of traveling- and standing-wave thermoacoustic engines using a wet regenerator. Applied Energy, 2017, 196, 62-67.	10.1	35
11	Field Experiments of PV-Thermal Collectors for Residential Application in Bangkok. Energies, 2012, 5, 1229-1244.	3.1	34
12	Thermodynamical mode selection rule observed in thermoacoustic oscillations. Europhysics Letters, 2002, 60, 363-368.	2.0	33
13	A thermoacoustic oscillator powered by vaporized water and ethanol. American Journal of Physics, 2013, 81, 124-126.	0.7	30
14	Design and construction of a traveling wave thermoacoustic refrigerator. International Journal of Refrigeration, 2011, 34, 1125-1131.	3.4	28
15	Performance Comparison of Three-Bed Adsorption Cooling System With Optimal Cycle Time Setting. Heat Transfer Engineering, 2013, 34, 938-947.	1.9	28
16	Measurement of the Qvalue of an acoustic resonator. Physical Review E, 2005, 72, 026601.	2.1	27
17	High Performance Cascading Adsorption Refrigeration Cycle with Internal Heat Recovery Driven by a Low Grade Heat Source Temperature. Energies, 2009, 2, 1170-1191.	3.1	25
18	Abrupt reduction of the critical temperature difference of a thermoacoustic engine by adding water. AIP Advances, 2015, 5, .	1.3	25

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19	Performance Analysis of a Double-effect Adsorption Refrigeration Cycle with a Silica Gel/Water Working Pair. <i>Energies</i> , 2010, 3, 1704-1720.	3.1	24
20	Performance Evaluation of a Solar Adsorption Refrigeration System with a Wing Type Compound Parabolic Concentrator. <i>Energies</i> , 2014, 7, 1448-1466.	3.1	24
21	Optimization of the regenerator of a traveling-wave thermoacoustic refrigerator. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	23
22	Design and Performance of an Innovative Four-Bed, Three-Stage Adsorption Cycle. <i>Energies</i> , 2013, 6, 1365-1384.	3.1	18
23	Experimental Investigation of a Three-Bed Adsorption Refrigeration Chiller Employing an Advanced Mass Recovery Cycle. <i>Energies</i> , 2009, 2, 531-544.	3.1	17
24	The performance of PV–t systems for residential application in Bangkok. <i>Progress in Photovoltaics: Research and Applications</i> , 2013, 21, 1204-1213.	8.1	17
25	Acoustic intensity measurement in a narrow duct by a two-sensor method. <i>Review of Scientific Instruments</i> , 2007, 78, 086110.	1.3	16
26	Thermoacoustic Stirling Heat Pump Working as a Heater. <i>Applied Physics Express</i> , 2011, 4, 107301.	2.4	12
27	Optimum Settings for a Compound Parabolic Concentrator with Wings Providing Increased Duration of Effective Temperature for Solar-Driven Systems: A Case Study for Tokyo. <i>Energies</i> , 2014, 7, 28-42.	3.1	12
28	Construction of a thermoacoustic Stirling cooler. <i>Physica B: Condensed Matter</i> , 2003, 329-333, 1600-1601.	2.7	10
29	Forced Synchronization of Periodic Oscillations in a Gas Column: Where is the Power Source?. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 103001.	1.6	10
30	Thermodynamic cycles executed in a looped-tube thermoacoustic engine (L). <i>Journal of the Acoustical Society of America</i> , 2005, 117, 3369-3372.	1.1	9
31	Numerical Calculation of the Performance of a Thermoacoustic System with Engine and Cooler Stacks in a Looped Tube. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 672.	2.5	9
32	Measurement and empirical evaluation of acoustic loss in tube with abrupt area change. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 364-370.	1.1	8
33	Method of Calculating the Performance of Thermoacoustic Devices using Thermoacoustic Theory. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , 2012, 47, 3-10.	0.1	7
34	Optimal design of thermoacoustic engines driven by LNG using particle swarm optimization. <i>Transactions of the JSME (in Japanese)</i> , 2016, 82, 16-00248-16-00248.	0.2	7
35	Design and Construction of a Standing-Wave Thermoacoustic Engine with Heat Sources Having a Given Temperature Ratio. <i>Journal of Thermal Science and Technology</i> , 2011, 6, 416-423.	1.1	6
36	Measurement of performance of thermoacoustic heat pump in a 3 to 160 °C temperature range. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 117101.	1.5	6

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37	Innovative Design and Performance of Three-Bed Two-Stage Adsorption Cycle under Optimized Cycle Time. Journal of Environment and Engineering, 2012, 7, 92-108.	0.2	5
38	Measurement of acoustic dissipation occurring in narrow channels with wet wall. Journal of the Acoustical Society of America, 2019, 145, 71-76.	1.1	5
39	Influence of Shape of Temperature Distribution on Stability Limit for Thermally Driven Spontaneous Gas Oscillation in a Tube with Uniform Radius. Journal of the Physical Society of Japan, 2011, 80, 034403.	1.6	4
40	Design and Investigation of Heat Transfer in a New Adsorbent Bed With CPC for Solar Adsorption Refrigeration Systems. Heat Transfer Engineering, 2016, 37, 696-704.	1.9	4
41	Cycle Optimization on Reheat Adsorption Cycle Applying Fixed Chilled Water Outlet Temperature. Heat Transfer Engineering, 2016, 37, 606-615.	1.9	4
42	Enhancement mechanisms of water vapor adsorption rate onto silica-gel in acoustic field. International Journal of Heat and Mass Transfer, 2020, 148, 119088.	4.8	4
43	STUDY OF A SILICA GEL-WATER-BASED THREE-BED DUAL-MODE ADSORPTION COOLING CYCLE. Heat Transfer Research, 2015, 46, 213-232.	1.6	4
44	Numerical Studies of the Onset Temperature Ratio for Spontaneous Gas Oscillation in a Thermoacoustic Engine with a Looped Tube and Resonator. TEION KOGAKU (Journal of Cryogenics and) Tj ETQq0 0 0 rgBT /Overlock 10	0.0	0
45	Experimental investigation into the heat transfer and pressure drop performance of sintered high porosity media. Applied Thermal Engineering, 2021, 196, 117284.	6.0	3
46	Calculation of the Energy Conversion Efficiency of a Stacked-Screen Regenerator using Thermoacoustic Theory. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.0	0
47	Effect of acoustic wave on the enhancement of moisture adsorption of silica-gel. Adsorption, 2018, 24, 595-600.	3.0	2
48	Experimental study on the effect of aftercooler configuration on the performance of pulse tube cryocoolers. Cryogenics, 2022, 121, 103408.	1.7	2
49	Numerical investigation on a travelling wave thermoacoustic heat pump. Journal of Thermal Science and Technology, 2018, 13, JTST0022-JTST0022.	1.1	1
50	EXPERIMENTAL INVESTIGATION OF A REHEATING TWO-STAGE ADSORPTION CHILLER APPLYING FIXED CHILLED WATER OUTLET CONDITIONS. Heat Transfer Research, 2015, 46, 293-309.	1.6	1
51	Performance Evaluation of Thermoacoustic System Composed of Looped Tube and Four Regenerators. The Proceedings of the National Symposium on Power and Energy Systems, 2017, 2017.22, D224.	0.0	1
52	Experimental Design Optimization of a Traveling-Wave Thermoacoustic Refrigerator Filled with Atmospheric Air(Thermal Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2009, 75, 1351-1356.	0.2	0
53	Performance Comparison of Multi-Stage Adsorption Chillers at the Optimal Operating Conditions(<Special Issue>The 14th National Symposium on Power and Energy System). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 489-490.	0.2	0
54	C07 Onset temperature of a spontaneous gas oscillation in a thermoacoustic engine with gas-liquid phase change. The Proceedings of the Symposium on Stirling Cycle, 2010, 2010.13, 55-56.	0.0	0

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55	21017 Analysis of solution transportation absorption heat pump with heat storage by solution and refrigerant tanks. The Proceedings of Conference of Kanto Branch, 2013, 2013.19, 493-494.	0.0	0
56	D123 Model Analysis of Heat Utilization of Waste Incineration with Heat Transportation by Solution Transportation Absorption Cycle. The Proceedings of the National Symposium on Power and Energy Systems, 2014, 2014.19, 119-122.	0.0	0
57	Measurement of Liquid Nitrogen Level using Thermoacoustic Spontaneous Gas Oscillation. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2008, 43, 556-560.	0.1	0
58	436 Measurement of Cooling Performance with Adsorbent Coated Heat Exchanger. The Proceedings of the Symposium on Environmental Engineering, 2008, 2008.18, 439-440.	0.0	0
59	C08 Development of a Cascade Thermoacoustic Engine Driven by Low Temperature Heat Source. The Proceedings of the Symposium on Stirling Cycle, 2009, 2009.12, 109-110.	0.0	0
60	451 Study on energy saving air-conditioning system using compact desiccant ventilation units : Part 24 : Comparison between two adsorbent materials on the dehumidification performance by direct heating of desiccant unit. The Proceedings of the Symposium on Environmental Engineering, 2009, 2009.19, 512-513.	0.0	0
61	20917 Assessment on energy saving potential of Solid Oxide Fuel Cells with flexible system in apartment houses. The Proceedings of Conference of Kanto Branch, 2009, 2009.15, 411-412.	0.0	0
62	B224 Development of a Cascade Thermoacoustic Engine. The Proceedings of the National Symposium on Power and Energy Systems, 2009, 2009.14, 305-306.	0.0	0
63	B210 Comparison of performances of multi-stage adsorption chillers. The Proceedings of the National Symposium on Power and Energy Systems, 2009, 2009.14, 267-268.	0.0	0
64	C06 Study of miniature thermoacoustic engines. The Proceedings of the Symposium on Stirling Cycle, 2009, 2009.12, 105-106.	0.0	0
65	20909 Test of the Turbine Blade for Micro Hydraulic Generator and Observation of Intratubular Flow. The Proceedings of Conference of Kanto Branch, 2009, 2009.15, 395-396.	0.0	0
66	420 Heat Transportation at Ambient Temperature based on Ammonia-Water Absorption Heat Pump : Computational Investigation of Heat Transportation Performance. The Proceedings of the Symposium on Environmental Engineering, 2009, 2009.19, 399-401.	0.0	0
67	419 Heat Transportation at Ambient Temperature Based on Ammonia-water Absorption Heat Pump : Experimental Investigation of Heat Transportation Performance. The Proceedings of the Symposium on Environmental Engineering, 2009, 2009.19, 395-398.	0.0	0
68	0713 Design of Thermoacoustic Cooling System. The Proceedings of the Fluids Engineering Conference, 2009, 2009, 293-294.	0.0	0
69	E201 Design of Heat-driven Thermoacoustic Cooler. The Proceedings of the National Symposium on Power and Energy Systems, 2010, 2010.15, 421-422.	0.0	0
70	20811 Estimation of Adopting Photovoltaic systems by prefecture in Japan. The Proceedings of Conference of Kanto Branch, 2010, 2010.16, 267-268.	0.0	0
71	C03 Design of a looped tube type heat-driven thermoacoustic cooler having diverged tube. The Proceedings of the Symposium on Stirling Cycle, 2010, 2010.13, 45-46.	0.0	0
72	C04 Experimental Evaluation of the Thermoacoustic Properties Of Stacked-screen Regenerators. The Proceedings of the Symposium on Stirling Cycle, 2011, 2011.14, 105-106.	0.0	0

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73	C09 Thermoacoustical Analysis of Dream Pipe. The Proceedings of the Symposium on Stirling Cycle, 2011, 2011.14, 117-118.	0.0	0
74	B203 Construction of a thermoacoustic Stirling heat pump. The Proceedings of the National Symposium on Power and Energy Systems, 2011, 2011.16, 265-266.	0.0	0
75	C05 Onset temperature of a looped tube thermoacoustic engine having two regenerators. The Proceedings of the Symposium on Stirling Cycle, 2011, 2011.14, 107-108.	0.0	0
76	C08 Influence of a variable acoustic load on Traveling-Wave Thermoacoustic Engine. The Proceedings of the Symposium on Stirling Cycle, 2011, 2011.14, 115-116.	0.0	0
77	429 Heat transportation experiment over 50m by Solution Transportation Absorption chiller and its dynamic simulation. The Proceedings of the Symposium on Environmental Engineering, 2012, 2012.22, 335-338.	0.0	0
78	C09 Measurements of acoustic minor losses in the tapered tube. The Proceedings of the Symposium on Stirling Cycle, 2012, 2012.15, 57-58.	0.0	0
79	430 Evaluation of sustainable energy supply for an apartment with distributed energy systems in disaster. The Proceedings of the Symposium on Environmental Engineering, 2012, 2012.22, 339-342.	0.0	0
80	C10 Performance measurements on a thermoacoustic Stirling heat pump. The Proceedings of the Symposium on Stirling Cycle, 2012, 2012.15, 59-60.	0.0	0
81	B06 The oscillation temperature characteristics of thermoacoustic engine with two-phase fluid. The Proceedings of the Symposium on Stirling Cycle, 2013, 2013.16, 83-84.	0.0	0
82	F223 Performance measurements on a thermoacoustic heat pump. The Proceedings of the National Symposium on Power and Energy Systems, 2013, 2013.18, 467-470.	0.0	0
83	420 Performance demonstration experiment of solution transportation absorption cycle with 200m pipe length. The Proceedings of the Symposium on Environmental Engineering, 2013, 2013.23, 332-335.	0.0	0
84	406 Design of vacuum tube for solar thermal collectors with concentration by Non-imaging Fresnel lens. The Proceedings of the Symposium on Environmental Engineering, 2013, 2013.23, 288-291.	0.0	0
85	401 Simplified Estimation Method of Solar Energy Utilization for Households based on Statistics. The Proceedings of the Symposium on Environmental Engineering, 2013, 2013.23, 271-274.	0.0	0
86	418 Heat storage by solution concentration difference based on absorption chiller cycle with ammonia/water. The Proceedings of the Symposium on Environmental Engineering, 2013, 2013.23, 324-327.	0.0	0
87	C03 Motion analysis of vibration type steam engine. The Proceedings of the Symposium on Stirling Cycle, 2014, 2014.17, 61-62.	0.0	0
88	20814 Analysis of Heat Transfer in Adsorption Bed combined with Compound Parabolic Concentrator. The Proceedings of Conference of Kanto Branch, 2014, 2014.20, _20814-1_- _20814-2_.	0.0	0
89	C02 Development of multistage water Stirling engine. The Proceedings of the Symposium on Stirling Cycle, 2014, 2014.17, 59-60.	0.0	0
90	C04 Optimization of a Thermoacoustic Engine using Particle Swarm Optimization Method. The Proceedings of the Symposium on Stirling Cycle, 2014, 2014.17, 63-64.	0.0	0

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91	20801 Performance of Solar Energy Utilizing Devices in Zero Emission Building. The Proceedings of Conference of Kanto Branch, 2014, 2014.20, _20801-1_-_20801-2_.	0.0	0
92	C05 Shaft output of the oscillating flow by the rotor blades. The Proceedings of the Symposium on Stirling Cycle, 2014, 2014.17, 65-66.	0.0	0
93	A05 Modeling of an Audio Speaker and Optimization of the Design Parameters of the Thermoacoustic Electric Generator Using the Audio Speaker. The Proceedings of the Symposium on Stirling Cycle, 2015, 2015.18, 9-10.	0.0	0
94	A10 The effect for oscillating heat pipe by forced oscillation. The Proceedings of the Symposium on Stirling Cycle, 2015, 2015.18, 23-24.	0.0	0
95	A13 Measurement of temperature distribution in the wet stack of the thermoacoustic engine. The Proceedings of the Symposium on Stirling Cycle, 2015, 2015.18, 31-32.	0.0	0
96	ICOPE-15-1058 Measurement of the Q value and output power of a thermoacoustic engine with two-phase fluid. The Proceedings of the International Conference on Power Engineering (ICOPE), 2015, 2015.12, _ICOPE-15--ICOPE-15-.	0.0	0
97	A04 Development of a thermoacoustic electric generator using bi-directional air turbine. The Proceedings of the Symposium on Stirling Cycle, 2015, 2015.18, 7-8.	0.0	0
98	A07 Performance evaluation of the temperature multistage thermoacoustic refrigerator. The Proceedings of the Symposium on Stirling Cycle, 2015, 2015.18, 13-14.	0.0	0
99	Performance Evaluation of 3-stage water Stirling engine with a pressurized gas. The Proceedings of the Symposium on Stirling Cycle, 2016, 2016.19, A09.	0.0	0
100	Heat transfer performance evaluation using heat exchanger in oscillatory flow. The Proceedings of the Thermal Engineering Conference, 2016, 2016, D212.	0.0	0
101	Performance evaluation of oscillating flow type steam engine. The Proceedings of the Thermal Engineering Conference, 2016, 2016, D211.	0.0	0
102	Analysis of oscillating steam engine using numerical calculation. The Proceedings of the Symposium on Stirling Cycle, 2016, 2016.19, A06.	0.0	0
103	Numerical calculation of vibration type steam engine. The Proceedings of the National Symposium on Power and Energy Systems, 2016, 2016.21, D211.	0.0	0
104	Measurement of Thermal Diffusion Loss of a Stacked-Screen Regenerator. The Proceedings of the Symposium on Stirling Cycle, 2017, 2017.20, C06.	0.0	0
105	Measurement of conversion efficiency from acoustic power to axial output using bidirectional impulse turbine. The Proceedings of the Symposium on Stirling Cycle, 2018, 2018.21, C01.	0.0	0
106	Evaluation of Thermoacoustic Engine using High Pressure. The Proceedings of the Symposium on Stirling Cycle, 2018, 2018.21, C02.	0.0	0
107	Oscillation characteristic of thermoacoustic engine with impulse turbine. The Proceedings of the Symposium on Stirling Cycle, 2018, 2018.21, C04.	0.0	0
108	Development for a thermoacoustic power system driven by cold exergy. The Proceedings of the National Symposium on Power and Energy Systems, 2018, 2018.23, C215.	0.0	0

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109	Study of Thermo-acoustic Engine to utilize cold energy of LNG. The Proceedings of the National Symposium on Power and Energy Systems, 2019, 2019.24, E112.	0.0	0
110	Gas mixture separation by acoustic vibration. The Proceedings of the Symposium on Stirling Cycle, 2019, 2019.22, C04.	0.0	0
111	Analysis of Adsorption of Silica Gel Particles in an Oscillating Flow Field Using CFD. The Proceedings of the Symposium on Environmental Engineering, 2019, 2019.29, J405.	0.0	0
112	Heat transfer improvement in heat exchanger for thermoacoustic engine by sintered porous pipes. The Proceedings of the National Symposium on Power and Energy Systems, 2019, 2019.24, E111.	0.0	0
113	Design of a Multi Stage Thermoacoustic Engine with Particle Swarm Optimization. The Proceedings of the National Symposium on Power and Energy Systems, 2019, 2019.24, E113.	0.0	0
114	The effect of mean pressure on stability limit of the oscillation of thermoacoustic engine with a wet stack. The Proceedings of the Symposium on Stirling Cycle, 2021, 2021.23, D2.	0.0	0
115	Heat transport device using circulating acoustic streaming for application to heat exchangers. The Proceedings of the Symposium on Stirling Cycle, 2021, 2021.23, A1.	0.0	0