

# Hiroyuki Iyota

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11946922/publications.pdf>

Version: 2024-02-01

32  
papers

95  
citations

1478505

6  
h-index

1474206

9  
g-index

32  
all docs

32  
docs citations

32  
times ranked

88  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of agitation in the freezing process of liquid foods using sucrose aqueous solution as a model liquid. <i>Journal of Food Engineering</i> , 2022, 330, 111100.	5.2	5
2	Enzymatic starch hydrolysis performance of Taylor-Couette flow reactor with ribbed inner cylinder. <i>Chemical Engineering Science</i> , 2021, 231, 116270.	3.8	10
3	Global Convection Characteristics of Conical Taylor-Couette Flow with Shear-Thinning Fluids. <i>Chemical Engineering and Technology</i> , 2021, 44, 2049-2055.	1.5	3
4	Measurement of constant drying rate of wet material placed in a fluidized bed of inert particles under reduced pressure. <i>Drying Technology</i> , 2018, 36, 1380-1386.	3.1	8
5	Characteristics and Mechanism of Bubble Formation in Plastic Packaging for Food. <i>Japan Journal of Food Engineering</i> , 2018, 19, 145-150.	0.3	0
6	Development of Two New Types of Retroreflective Materials as Countermeasures to Urban Heat Islands. <i>International Journal of Thermophysics</i> , 2017, 38, 1.	2.1	14
7	Development of Measuring Device for Thermal Environment in an Oven for Food Processing. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2016, 52, 707-712.	0.2	0
8	Study on Humidity-Measuring Method Using Wetted Porous Ceramics for High-Temperature Gas. <i>Netsu Bussei</i> , 2016, 30, 9-17.	0.1	0
9	P038 Development of High-Temperature and High-Humidity Air Flow Generator and Its Uncertainty Evaluation. <i>The Proceedings of Conference of Kansai Branch</i> , 2016, 2016.91, 412.	0.0	0
10	Color Measurement Methods for Optimization of Oven Operation (Baking of Sliced Bread with) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38</i>	0.6	2
11	Effect of "Visualization" of Gas Consumption on Student's Awareness about Energy Conservation during Food Service Training. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2013, 92, 695-701.	0.2	0
12	Steam Condensation-based Heat Transfer Mechanism Analysis of Cooking Ovens. <i>Journal of the Japanese Society for Food Science and Technology</i> , 2012, 59, 491-502.	0.1	0
13	Simplified Measurement Method for Steam Mole Fractions Based on Temperature Measurement with Wet Spherical Material (Using Adiabatic Saturation Line Applied to High Temperature and High) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 1</i> <i>Engineers Series B B-hen</i> , 2012, 78, 1267-1278.	0.2	1
14	Development of High-Temperature Wide-Range Humidity Sensor by Wetted Material Temperature Measurement (Application of Porous Ceramic into Sensing Element). 880-02 <i>Nihon Kikai Gakkai Ronbunshu</i> Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2012, 78, 1451-1461.	0.2	0
15	DEVELOPMENT AND EVALUATION OF DIRECTIONAL RETROREFLECTIVE MATERIALS. <i>Journal of Structural and Construction Engineering</i> , 2011, 76, 1229-1234.	0.5	6
16	409 Thermal analysis of a solar-assisted absorption air-conditioning system : Model of Performance Evaluation. <i>The Proceedings of the Symposium on Environmental Engineering</i> , 2011, 2011.21, 268-271.	0.0	1
17	Volume of a liquid drop detaching from a sphere. <i>Heat Transfer - Asian Research</i> , 2010, 39, 396-409.	2.8	3
18	Prediction Method for Drying Time of Wet Porous Material in Humid Hot Air and Superheated Steam. <i>Drying Technology</i> , 2010, 28, 608-614.	3.1	8

#	ARTICLE	IF	CITATIONS
19	Development of Equipment and Software for Evaluating Surface Color Change of Baked Food Using Digital Camera. Japan Journal of Food Engineering, 2010, 11, 203-213.	0.3	4
20	Thermal Power Generated in a Wet Porous Slab by Dielectric Drying. Kagaku Kogaku Ronbunshu, 2010, 36, 379-382.	0.3	0
21	416 Gasification of Biomass and Its Application to Molten Carbonate Fuel Cell Co-generation System : Model of Performance Evaluation. The Proceedings of the Symposium on Environmental Engineering, 2010, 2010.20, 265-268.	0.0	0
22	Volume of Liquid Droplet Detaching from a Sphere(Thermal Engineering). 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2009, 75, 1503-1509.	0.2	1
23	Effect of Time-Dependent Humidity Profiles from Air to Superheated Steam on Drying of a Wetted Starch Sphere. Drying Technology, 2008, 26, 211-221.	3.1	19
24	405 Air-Conditioning System in Urban Area Concerning Heat Island Problem : 6th Report:Actual Performance Prediction of Multi-type Packaged Unit System. The Proceedings of the Symposium on Environmental Engineering, 2008, 2008.18, 322-325.	0.0	0
25	211 Development of biomass gasifier which uses the superheated steam and its application to micro co-generation system : Application to micro co-generation system. The Proceedings of the Symposium on Environmental Engineering, 2008, 2008.18, 201-204.	0.0	0
26	212 Development of biomass gasifier which uses the superheated steam and its application to micro co-generation system : Thermal cracking characteristic of the RDF, and its fuelization. The Proceedings of the Symposium on Environmental Engineering, 2008, 2008.18, 205-208.	0.0	0
27	Effects of Dry-bulb and Wet-bulb Temperature on the Drying Time of Spherical Porous Material in High Temperature Gas Flow. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 1068-1076.	0.2	3
28	429 Air-Conditioning System in Urban Area Concerning Heat Island Problem : 4th Report: Dynamic Characteristics of Split Type Air Conditioner for Home Use which Considered Indoor Heat Load. The Proceedings of the Symposium on Environmental Engineering, 2007, 2007.17, 362-365.	0.0	0
29	Vapor Diffusion and Flow within Dried Zone During Falling Drying Rate Period of Non-Hygroscopic Porous Slab. Kagaku Kogaku Ronbunshu, 2007, 33, 506-518.	0.3	0
30	Measurement of Absorbed Power of Glass Particle Layer on Moisture Content and Drying Rate by Combined Convective and Microwave Drying. Drying Technology, 2005, 23, 1289-1301.	3.1	3
31	A304 DEVELOPMENT OF AN ENVIRONMENT SYMBIOTIC MICRO COGENERATION SYSTEM FOR SUSTAINABLE MARINE CITY. The Proceedings of the International Conference on Power Engineering (ICOPE), 2003, 2003.3, _3-19_-_3-24_.	0.0	0
32	A reverse process of superheated steam drying from condensation to evaporation. Heat Transfer - Asian Research, 1999, 28, 352-366.	2.8	4