

Yohei Yamaguchi

List of Publications by Year in descending order

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45
papers

878
citations

471371

17
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g-index

46
all docs

46
docs citations

46
times ranked

873
citing authors

#	ARTICLE	IF	CITATIONS
1	Proposal of a modeling approach considering urban form for evaluation of city level energy management. Energy and Buildings, 2007, 39, 580-592.	3.1	102
2	A techno-economic sizing method for grid-connected household photovoltaic battery systems. Applied Energy, 2020, 269, 115106.	5.1	86
3	Prediction of greenhouse gas reduction potential in Japanese residential sector by residential energy end-use model. Applied Energy, 2010, 87, 1944-1952.	5.1	69
4	Comparative analysis of socio-economic and environmental performances for Chinese EIPs: case studies in Baotou, Suzhou, and Shanghai. Sustainability Science, 2009, 4, 263-279.	2.5	50
5	Transition to a sustainable urban energy system from a long-term perspective: Case study in a Japanese business district. Energy and Buildings, 2007, 39, 1-12.	3.1	48
6	Versatile Modeling Platform for Cooperative Energy Management Systems in Smart Cities. Proceedings of the IEEE, 2018, 106, 594-612.	16.4	47
7	Estimation of the contribution of the residential sector to summer peak demand reduction in Japan using an energy end-use simulation model. Energy and Buildings, 2016, 112, 80-92.	3.1	43
8	Prediction of photovoltaic and solar water heater diffusion and evaluation of promotion policies on the basis of consumers' choices. Applied Energy, 2013, 102, 1148-1159.	5.1	37
9	City-level energy and CO2 reduction effect by introducing new residential water heaters. Energy, 2010, 35, 4880-4891.	4.5	35
10	Energy demand science for a decarbonized society in the context of the residential sector. Renewable and Sustainable Energy Reviews, 2020, 132, 110051.	8.2	33
11	Urban building energy modeling considering the heterogeneity of HVAC system stock: A case study on Japanese office building stock. Energy and Buildings, 2019, 199, 547-561.	3.1	29
12	An integrated approach of estimating demand response flexibility of domestic laundry appliances based on household heterogeneity and activities. Energy Policy, 2020, 142, 111467.	4.2	28
13	District-scale simulation for multi-purpose evaluation of urban energy systems. Journal of Building Performance Simulation, 2010, 3, 289-305.	1.0	24
14	A stochastic model to predict occupants' activities at home for community-/urban-scale energy demand modelling. Journal of Building Performance Simulation, 2017, 10, 565-581.	1.0	22
15	A cross analysis of existing methods for modelling household appliance use. Journal of Building Performance Simulation, 2019, 12, 160-179.	1.0	22
16	Evaluating Japan's national greenhouse gas reduction policy using a bottom-up residential end-use energy simulation model. Applied Energy, 2020, 279, 115792.	5.1	19
17	Building stock energy modeling considering building system composition and long-term change for climate change mitigation of commercial building stocks. Applied Energy, 2022, 306, 117907.	5.1	18
18	Stock modelling of HVAC systems in Japanese commercial building sector using logistic regression. Energy and Buildings, 2017, 152, 458-471.	3.1	17

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19	Residential energy end-use model as evaluation tool for residential micro-generation. Applied Thermal Engineering, 2017, 114, 1433-1442.	3.0	16
20	Analysis of Land use Changes and Environmental Loads during Urbanization in China. Journal of Asian Architecture and Building Engineering, 2008, 7, 109-115.	1.2	14
21	Integrated resource management towards a sustainable Asia: policy and strategy evolution in Japan and China. International Journal of Environmental Technology and Management, 2009, 11, 239.	0.1	13
22	Energy management for voltage control in a net-zero energy house community considering appliance operation constraints and variety of households. Energy and Buildings, 2017, 147, 188-199.	3.1	13
23	Reduction potential of operational carbon dioxide emission of Nakanoshima business/cultural area as a model for low-carbon districts in warm climates. Building and Environment, 2013, 59, 187-202.	3.0	12
24	Scenario Analysis of Regional Electricity Demand in the Residential and Commercial Sectors “influence of Diffusion of Photovoltaic Systems and Electric Vehicles into Power Grids. Procedia CIRP, 2014, 15, 319-324.	1.0	11
25	Describing Long-Term Electricity Demand Scenarios in the Telecommunications Industry: A Case Study of Japan. Sustainability, 2016, 8, 52.	1.6	9
26	Improvement of crystallinity of GaN layers grown using Ga ₂ O vapor synthesized from liquid Ga and H ₂ O vapor. Japanese Journal of Applied Physics, 2016, 55, 05FB04.	0.8	8
27	Multi-scale GIS-synthetic hybrid approach for the development of commercial building stock energy model. Applied Energy, 2022, 323, 119536.	5.1	8
28	A practice-theory-based analysis of historical changes in household practices and energy demand: A case study from Japan. Technological Forecasting and Social Change, 2019, 145, 207-218.	6.2	6
29	DISTRICT ELECTRICITY DEMAND PREDICTION UNDER LARGE DIFFUSION OF PHOTOVOLTAICS AND ENERGY SAVING TECHNOLOGY. Journal of Environmental Engineering (Japan), 2012, 77, 805-811.	0.1	5
30	COMPARISON OF ENERGY CONSUMPTION PER UNIT FLOOR AREA AMONG RETAIL CATEGORIES BASED ON THE DATABASE OF ENERGY CONSUMPTION FOR COMMERCIAL BUILDINGS (DECC). Journal of Environmental Engineering (Japan), 2012, 77, 889-897.	0.1	4
31	Dependence of polarity inversion on V/III ratio in α -c-GaN growth by oxide vapor phase epitaxy. Japanese Journal of Applied Physics, 2016, 55, 05FA11.	0.8	4
32	Impact of the pre-simulation process of occupant behaviour modelling for residential energy demand simulations. Journal of Building Performance Simulation, 2022, 15, 287-306.	1.0	4
33	ENERGY MODELING OF THE COMMERCIAL SECTOR OF OSAKA CITY AND EVALUATION OF ENERGY SAVING MEASURES CONSIDERING THE STOCK OF BUILDINGS AND BUILDING SYSTEMS. Journal of Environmental Engineering (Japan), 2009, 74, 853-862.	0.1	3
34	Growth of GaN layers using Ga ₂ O vapor synthesized from Ga ₂ O ₃ and carbon. Journal of Crystal Growth, 2020, 535, 125524.	0.7	3
35	Per capita energy consumption for living, work, transport and other activities in cities in the Keihanshin Metropolitan Region, Japan. International Journal of Sustainable Building Technology and Urban Development, 2012, 3, 68-76.	1.0	2
36	STUDY OF THE POSSIBILITY OF ZERO-EMISSION BY SIMULATION OF THE RESIDENTIAL ENERGY DEMAND IN 2050. Journal of Environmental Engineering (Japan), 2020, 85, 289-298.	0.1	2

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37	VERIFICATION OF THE RESIDENTIAL CO ₂ EMISSION REDUCTION EXPECTED IN THE LONG-TERM ENERGY SUPPLY AND DEMAND OUTLOOK. Journal of Environmental Engineering (Japan), 2019, 84, 323-333.	0.1	2
38	ESTIMATION OF APROPROATENESS OF AREAS FOR DISTRICT HEATING AND COOLING SYSTEM CONSIDERING THE DISTRIBUTION OF BUILDING HEAT SOURCE SYSTEM. Journal of Environmental Engineering (Japan), 2011, 76, 509-515.	0.1	1
39	Evaluation of Effect of Residential Energy Demand Management to Mitigate Voltage Increase in High-Voltage Distribution Line Due To Large-scale Diffusion of PV. IEEJ Transactions on Electronics, Information and Systems, 2013, 133, 1873-1883.	0.1	1
40	Research and Development Trend of Energy End Use Model. IEEJ Transactions on Power and Energy, 2015, 135, 347-350.	0.1	1
41	ESTIMATION OF RESIDENTIAL ENERGY CONSERVATION EFFECT IN OSAKA PREFECTURE BY IMPLEMENTING THE NEW ENERGY SAVING STANDARD. Journal of Environmental Engineering (Japan), 2015, 80, 159-168.	0.1	0
42	Corrigendum to “Urban building energy modeling considering the heterogeneity of HVAC system stock: A case study on Japanese office building stock” [Energy & Buildings (2019) 547-561]. Energy and Buildings, 2020, 207, 109589.	3.1	0
43	Evaluation of Response to DR for Residential Customers based on Measured Electricity at Electric Board. IEEJ Transactions on Electronics, Information and Systems, 2016, 136, 784-793.	0.1	0
44	Activity-Based Modeling for Integration of Energy Systems for House and Electric Vehicle. Power Electronics and Power Systems, 2020, , 3-25.	0.6	0
45	ANALYSIS ON BUILDING ENVELOP AND BUILDING SERVICE EQUIPMENT DESIGN SPECIFICATION USING THE INPUT AND OULPUT DATA FROM THE CALCULATION PROGRAM TO CONFIRM COMPLIANCE WITH BUILDING ENERGY CODE (PART 2): LOGISTIC REGRESSION-BASED ANALYSIS CONSIDERING BUILDING SIZE AND LOCATION. Journal of Environmental Engineering (Japan), 2022, 87, 448-459.	0.1	0