

# Hikari Shimadera

## List of Publications by Year in descending order

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516215

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Predicting Daily PM <sub>2.5</sub> Exposure with Spatially Invariant Accuracy Using Co-Existing Pollutant Concentrations as Predictors. <i>Atmosphere</i> , 2022, 13, 782.	1.0	3
2	Incorporating Light Gradient Boosting Machine to land use regression model for estimating NO <sub>2</sub> and PM <sub>2.5</sub> levels in Kansai region, Japan. <i>Environmental Modelling and Software</i> , 2022, 155, 105447.	1.9	11
3	Long-term trends of satellite-based fine-mode aerosol optical depth over the Seto Inland Sea, Japan, over two decades (2001–2020). <i>Environmental Research Letters</i> , 2021, 16, 064062.	2.2	17
4	An integrated model combining random forests and WRF/CMAQ model for high accuracy spatiotemporal PM <sub>2.5</sub> predictions in the Kansai region of Japan. <i>Atmospheric Environment</i> , 2021, 262, 118620.	1.9	27
5	Impacts of the Tree Canopy and Chemical Reactions on the Dispersion of Reactive Pollutants in Street Canyons. <i>Atmosphere</i> , 2021, 12, 34.	1.0	3
6	Identifying key factors influencing model performance on ground-level ozone over urban areas in Japan through model inter-comparisons. <i>Atmospheric Environment</i> , 2020, 223, 117255.	1.9	14
7	Model Performance Differences in Fine-Mode Nitrate Aerosol during Wintertime over Japan in the J-STREAM Model Inter-Comparison Study. <i>Atmosphere</i> , 2020, 11, 511.	1.0	5
8	Model Inter-Comparison for PM <sub>2.5</sub> Components over urban Areas in Japan in the J-STREAM Framework. <i>Atmosphere</i> , 2020, 11, 222.	1.0	14
9	Impacts of Biomass Burning Emission Inventories and Atmospheric Reanalyses on Simulated PM <sub>10</sub> over Indochina. <i>Atmosphere</i> , 2020, 11, 160.	1.0	17
10	Comprehensive analyses of source sensitivities and apportionments of PM <sub>2.5</sub> and ozone over Japan via multiple numerical techniques. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 10311-10329.	1.9	42
11	Numerical assessment of PM <sub>2.5</sub> and O <sub>3</sub> air quality in continental Southeast Asia: Baseline simulation and aerosol direct effects investigation. <i>Atmospheric Environment</i> , 2019, 219, 117054.	1.9	22
12	Analysis of Pollutant Dispersion in a Realistic Urban Street Canyon Using Coupled CFD and Chemical Reaction Modeling. <i>Atmosphere</i> , 2019, 10, 479.	1.0	14
13	Investigation of aerosol direct effects on meteorology and air quality in East Asia by using an online coupled modeling system. <i>Atmospheric Environment</i> , 2019, 207, 182-196.	1.9	11
14	Identification of multiple contamination sources using variational continuous assimilation. <i>Building and Environment</i> , 2019, 147, 422-433.	3.0	9
15	Impact of field biomass burning on local pollution and long-range transport of PM <sub>2.5</sub> in Northeast Asia. <i>Environmental Pollution</i> , 2019, 244, 414-422.	3.7	46
16	Numerical Analysis of Sensitivity of Structure of the Stratification in Lake Biwa, Japan by Changing Meteorological Elements. <i>Water (Switzerland)</i> , 2018, 10, 1492.	1.2	2
17	Numerical Simulation of PM <sub>2.5</sub> in the Atmosphere by Regional Chemical Transport Model. <i>Japanese Journal of Multiphase Flow</i> , 2018, 32, 329-336.	0.1	0
18	Numerical Simulation of Heavy Rainfall in August 2014 over Japan and Analysis of Its Sensitivity to Sea Surface Temperature. <i>Atmosphere</i> , 2018, 9, 84.	1.0	4

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19	Overview of Model Inter-Comparison in Japan's Study for Reference Air Quality Modeling (J-STREAM). Atmosphere, 2018, 9, 19.	1.0	33
20	Effects of a Detailed Vegetation Database on Simulated Meteorological Fields, Biogenic VOC Emissions, and Ambient Pollutant Concentrations over Japan. Atmosphere, 2018, 9, 179.	1.0	16
21	Evaluation of Thermal Stratification and Flow Field Reproduced by a Three-Dimensional Hydrodynamic Model in Lake Biwa, Japan. Water (Switzerland), 2018, 10, 47.	1.2	18
22	Impact of Aerosol Direct Effect on Wintertime PM <sub>2.5</sub> Simulated by an Online Coupled Meteorology-Air Quality Model over East Asia. Aerosol and Air Quality Research, 2018, 18, 1068-1079.	0.9	13
23	Urban Air Quality Model Inter-Comparison Study (UMICS) for Improvement of PM <sub>2.5</sub> Simulation in Greater Tokyo Area of Japan. Asian Journal of Atmospheric Environment, 2018, 12, 139-152.	0.4	13
24	Analysis of PM <sub>2.5</sub> in Shiga Prefecture using an atmospheric chemistry transport model. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2018, 74, 1_61-1_68.	0.1	0
25	Effect of spatial outliers on the regression modelling of air pollutant concentrations: A case study in Japan. Atmospheric Environment, 2017, 153, 83-93.	1.9	15
26	Identification of biased sectors in emission data using a combination of chemical transport model and receptor model. Atmospheric Environment, 2017, 166, 166-181.	1.9	21
27	Evaluation of Air Quality Model Performance for Simulating Long-Range Transport and Local Pollution of PM <sub>2.5</sub> in Japan. Advances in Meteorology, 2016, 2016, 1-13.	0.6	37
28	Status and characteristics of ambient PM <sub>2.5</sub> pollution in global megacities. Environment International, 2016, 89-90, 212-221.	4.8	287
29	Evaluation of Water Retentive Pavement as Mitigation Strategy for Urban Heat Island Using Computational Fluid Dynamics. Asian Journal of Atmospheric Environment, 2016, 10, 179-189.	0.4	2
30	Optimization of air monitoring networks using chemical transport model and search algorithm. Atmospheric Environment, 2015, 122, 22-30.	1.9	19
31	Numerical Evaluation of the Impact of Urbanization on Summertime Precipitation in Osaka, Japan. Advances in Meteorology, 2015, 2015, 1-11.	0.6	31
32	Performance comparison of CMAQ and CAMx for one-year PM <sub>2.5</sub> simulation in Japan. International Journal of Environment and Pollution, 2015, 57, 146.	0.2	10
33	Evaluation of light dependence of monoterpene emission and its effect on surface ozone concentration. Atmospheric Environment, 2015, 104, 143-153.	1.9	13
34	Numerical evaluation of the effect of photovoltaic cell installation on urban thermal environment. Sustainable Cities and Society, 2015, 19, 250-258.	5.1	21
35	Estimation of indoor contamination source location by using variational continuous assimilation method. Building Simulation, 2015, 8, 443-452.	3.0	6
36	Evaluation of the Effect of Regional Pollutants and Residual Ozone on Ozone Concentrations in the Morning in the Inland of the Kanto Region. Asian Journal of Atmospheric Environment, 2015, 9, 1-11.	0.4	9

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37	Numerical Analysis on Biogenic Emission Sources Contributing to Urban Ozone Concentration in Osaka, Japan. <i>Asian Journal of Atmospheric Environment</i> , 2015, 9, 259-271.	0.4	7
38	Sensitivity analyses of factors influencing CMAQ performance for fine particulate nitrate. <i>Journal of the Air and Waste Management Association</i> , 2014, 64, 374-387.	0.9	33
39	Multi-Model Analyses of Dominant Factors Influencing Elemental Carbon in Tokyo Metropolitan Area of Japan. <i>Aerosol and Air Quality Research</i> , 2014, 14, 396-405.	0.9	15
40	Numerical Simulation of Extreme Air Pollution by Fine Particulate Matter in China in Winter 2013. <i>Asian Journal of Atmospheric Environment</i> , 2014, 8, 25-34.	0.4	8
41	Analysis of summertime atmospheric transport of fine particulate matter in Northeast Asia. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2013, 49, 347-360.	1.3	27
42	Screening technique to estimate high benzo[a]pyrene concentrations near roads. <i>International Journal of Environment and Pollution</i> , 2012, 48, 126.	0.2	1
43	Annual sulfur deposition through fog, wet and dry deposition in the Kinki Region of Japan. <i>Atmospheric Environment</i> , 2011, 45, 6299-6308.	1.9	22
44	Contribution of transboundary air pollution to ionic concentrations in fog in the Kinki Region of Japan. <i>Atmospheric Environment</i> , 2009, 43, 5894-5907.	1.9	27