# Yuji Ohya

List of Publications by Year
in descending order



| 61 | 1,865 | 394421 19 | 265206 42 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 62 | 62 | 62 | 925 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Simple Theory and Performance Prediction for a Shrouded Wind Turbine with a Brimmed Diffuser. Energies, 2021, 14, 3661. | 3.1 | 6 |
| 2 | Machine learning approaches for thermal updraft prediction in wind solar tower systems. Renewable Energy, 2021, 177, 1001-1013. | 8.9 | 13 |
| 3 | An Ignored Wind Generates More Electricity: A Solar Updraft Tower to a Wind Solar Tower. International Journal of Photoenergy, 2020, 2020, 1-9. | 2.5 | 4 |
| 4 | Power Output Enhancement of a Ducted Wind Turbine by Stabilizing Vortices around the Duct. Energies, 2019, 12, 3171. | 3.1 | 7 |
| 5 | Multirotor Systems Using Three Shrouded Wind Turbines for Power Output Increase. Journal of Energy Resources Technology, Transactions of the ASME, 2019, 141, . | 2.3 | 11 |
| 6 | Multi-Rotor Systems Using Five Ducted Wind Turbines for Power Output Increase (Multi Lens Turbine). , 2019, , . | | 3 |
| 7 | Power Augmentation of Shrouded Wind Turbines in a Multirotor System. Journal of Energy Resources Technology, Transactions of the ASME, 2017, 139, . | 2.3 | 26 |
| 8 | Multi-rotor system using brimmed-diffuser wind turbines for power output increase. , 2017, , . | | 0 |
| 9 | Coherence Effects on the Power and Tower Loads of a 7 Ã— 2 MW Multi-Rotor Wind Turbine System. Energies, 2016, 9, 742. | 3.1 | 8 |
| 10 | Laboratory Experiment and Numerical Analysis of a New Type of Solar Tower Efficiently Generating a Thermal Updraft. Energies, 2016, 9, 1077. | 3.1 | 18 |
| 11 | Application of a Diffuser Structure to Vertical-Axis Wind Turbines. Energies, 2016, 9, 406. | 3.1 | 38 |
| 12 | Power output and drag characteristics of multi rotor system using diffuser augmented wind turbine. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, J0550304. | 0.0 | 0 |
| 13 | Improvement in Solar Chimney Power Generation by Using a Diffuser Tower. Journal of Solar Energy Engineering, Transactions of the ASME, 2015, 137, . | 1.8 | 35 |
| 14 | Experimental investigation into the influence of the flanged diffuser on the dynamic behavior of CFRP blade of a shrouded wind turbine. Renewable Energy, 2015, 78, 386-397. | 8.9 | 60 |
| 15 | ICOPE-15-1068 Aerodynamic analysis of clustered, diffuser-augmented turbines. The Proceedings of the International Conference on Power Engineering (ICOPE), 2015, 2015.12, _ICOPE-15-_ICOPE-15-. | 0.0 | 1 |
| 16 | Bluff body flow and vortexâ€”its application to wind turbines. Fluid Dynamics Research, 2014, 46, 061423. | 1.3 | 13 |
| 17 | Improving the Power Generation Performance of a Solar Tower Using Thermal Updraft Wind. Energy and Power Engineering, 2014, 06, 362-370. | 0.8 | 13 |
| 18 | Offshore Wind Power - Floating Integrated Energy Platform in Corporation with Fishery. Journal of Smart Processing, 2014, 3, 130-136. | 0.1 | 0 |

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|---|---|---|---|
| 19 | Measurements and analysis of the radar signature of a new wind turbine design at X â€band. IET Radar, Sonar and Navigation, 2013, 7, 170-177. | 1.8 | 19 |
| 20 | Behavior of the Blade Tip Vortices of a Wind Turbine Equipped with a Brimmed-Diffuser Shroud. Energies, 2012, 5, 5229-5242. | 3.1 | 39 |
| 21 | Numerical Studies of Flow around a Wind Turbine Equipped with a Flanged-Diffuser Shroud Using an Actuator-Disk Model. Wind Engineering, 2012, 36, 455-472. | 1.9 | 41 |
| 22 | Latest Developments in Numerical Wind Synopsis Prediction Using the RIAM-COMPACTÂ® CFD Modelâ€"Design Wind Speed Evaluation and Wind Risk (Terrain-Induced Turbulence) Diagnostics in Japan. Energies, 2011, 4, 458-474. | 3.1 | 19 |
| 23 | Measurement and analysis of the radar signature of a new type of wind turbine. , 2011, , . | | 0 |
| 24 | New Evaluation Technique for WTG Design Wind Speed Using a CFD-Model-Based Unsteady Flow Simulation with Wind Direction Changes. Modelling and Simulation in Engineering, 2011, 2011, 1-6. | 0.7 | 17 |
| 25 | A Shrouded Wind Turbine Generating High Output Power with Wind-lens Technology. Energies, 2010, 3, 634-649. | 3.1 | 255 |
| 26 | S0503-3-6 Some Findings about Wake behind Wind Turbine Generator. The Proceedings of the JSME Annual Meeting, 2010, 2010.2, 123-124. | 0.0 | 0 |
| 27 | Wind-Tunnel and Numerical Simulations of the Coastal Thermal Internal Boundary Layer. Boundary-Layer Meteorology, 2009, 130, 365-381. | 2.3 | 15 |
| 28 | J0503-1-3 Influence of various parameters in numerical site calibration of wind power generation. The Proceedings of the JSME Annual Meeting, 2009, 2009.7, 77-78. | 0.0 | 0 |
| 29 | Intermittent Bursting of Turbulence in a Stable Boundary Layer with Low-level Jet. Boundary-Layer Meteorology, 2008, 126, 349-363. | 2.3 | 53 |
| 30 | PIV measurements of flows around the wind turbines with a flanged-diffuser shroud. Journal of Thermal Science, 2008, 17, 375-380. | 1.9 | 28 |
| 31 | Development of a shrouded wind turbine with a flanged diffuser. Journal of Wind Engineering and Industrial Aerodynamics, 2008, 96, 524-539. | 3.9 | 247 |
| 32 | Laboratory and numerical studies of the atmospheric stable boundary layers. Journal of Wind Engineering and Industrial Aerodynamics, 2008, 96, 2150-2160. | 3.9 | 10 |
| 33 | Verification of the Prediction Accuracy of Annual Energy Output at Noma Wind Park by the Non-Stationary and Non-Linear Wind Synopsis Simulator, RIAM-COMPACT. Journal of Fluid Science and Technology, 2008, 3, 344-358. | 0.6 | 12 |
| 34 | 1830 Large-Eddy Simulation of Topography-Induced Turbulence around WTG. The Proceedings of the JSME Annual Meeting, 2008, 2008.2, 179-180. | 0.0 | 0 |
| 35 | Edge tone and wind engineering. Wind Engineers JAWE, 2008, 2008, 192-195. | 0.1 | 0 |
| 36 | 1011 Numerical Simulation of Local Strong Wind Induced by Topographic Effect(2). The Proceedings of the Fluids Engineering Conference, 2007, 2007, _1011-1_-_1011-4_. | 0.0 | 0 |

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|---|---|---|---|
| 37 | 1543 Fluid Dynamic Mechanism of Soccer Ball Erratic Behavior with Less Spinning Flight. The Proceedings of the JSME Annual Meeting, 2007, 2007.2, 179-180. | 0.0 | 0 |
| 38 | 1011 Numerical Simulation of Local Strong Wind Induced by Topographic Effect(1). The Proceedings of the Fluids Engineering Conference, 2007, 2007, _1011-a_. | 0.0 | 1 |
| 39 | Evolution and Structure of the Free Convective Layer Developing under a Water Surface. JSME International Journal Series B, 2006, 49, 616-620. | 0.3 | 0 |
| 40 | Application of LES Technique to Diagnosis of Wind Farm by Using High Resolution Elevation Data. JSME International Journal Series B, 2006, 49, 567-575. | 0.3 | 11 |
| 41 | MC4 Wind Energy And Topography 2. Wind Engineers JAWE, 2006, 2006, 349-368. | 0.1 | 7 |
| 42 | 503 Development of a Shrouded Wind Turbine Equipped with a Compact Brimmed Diffuser(1). The Proceedings of the Fluids Engineering Conference, 2006, 2006, _503-a_. | 0.0 | 0 |
| 43 | 503 Development of a Shrouded Wind Turbine Equipped with a Compact Brimmed Diffuser(2). The Proceedings of the Fluids Engineering Conference, 2006, 2006, _503-1_-_503-4_. | 0.0 | 0 |
| 44 | TC4 Atmospheric Boundary Layer. Wind Engineers JAWE, 2006, 2006, 693-708. | 0.1 | 0 |
| 45 | 342 Effects of Blade Profile on Aerodynamic Performance of Wind Turbines With Brimmed Diffuser. The Proceedings of the JSME Annual Meeting, 2005, 2005.2, 255-256. | 0.0 | 1 |
| 46 | 1701 Large-eddy simulation of flow around a building by using an artificially generated inflow turbulence. The Proceedings of the Fluids Engineering Conference, 2005, 2005, 243. | 0.0 | 0 |
| 47 | Laboratory and Numerical Studies of the Convective Boundary Layer Capped by a Strong Inversion. Boundary-Layer Meteorology, 2004, 112, 223-240. | 2.3 | 16 |
| 48 | An investigation of flow fields around flanged diffusers using CFD. Journal of Wind Engineering and Industrial Aerodynamics, 2004, 92, 315-330. | 3.9 | 150 |
| 49 | Experimental investigations of flow fields behind a wind tuirbine with flanged difuser. The Proceedings of the Fluids Engineering Conference, 2004, 2004, 167. | 0.0 | 0 |
| 50 | Turbulence Structure of Stable Boundary Layers with a Near-Linear Temperature Profile. Boundary-Layer Meteorology, 2003, 108, 19-38. | 2.3 | 28 |
| 51 | Visualization of the Behavior of Volcanic Smokes from Miyake-jima by using the Passive Particle Tracking Method. Transactions of Visualization Soc of Japan, 2003, 23, 58-65. | 0.2 | 2 |
| 52 | Wind-Tunnel Study Of Atmospheric Stable Boundary Layers Over A Rough Surface. Boundary-Layer Meteorology, 2001, 98, 57-82. | 2.3 | 131 |
| 53 | Cable (Transmisson Line)& CFD (Environment). Wind Engineers JAWE, 2001, 2001, 185-212. | 0.1 | 0 |
| 54 | Numerical simulation of atmospheric flow over complex terrain. Journal of Wind Engineering and Industrial Aerodynamics, 1999, 81, 283-293. | 3.9 | 50 |

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|---|---|---|---|
| 55 | Wind systems and atmospheric environments. Wind Engineers JAWE, 1998, 1998, 5-6. | 0.1 | 0 |
| 56 | TURBULENCE STRUCTURE IN A STRATIFIED BOUNDARY LAYER UNDER STABLE CONDITIONS. Boundary-Layer Meteorology, 1997, 83, 139-162. | 2.3 | 84 |
| 57 | A numerical study of vortex shedding from flat plates with square leading and trailing edges. Journal of Fluid Mechanics, 1992, 236, 445-460. | 3.4 | 69 |
| 58 | Stepwise increase in the Strouhal number for flows around flat plates. International Journal for Numerical Methods in Fluids, 1992, 15, 1025-1036. | 1.6 | 18 |
| 59 | Experiments on vortex shedding from flat plates with square leading and trailing edges. Journal of Fluid Mechanics, 1991, 222, 437. | 3.4 | 159 |
| 60 | Vortex shedding from square prisms in smooth and turbulent flows. Journal of Fluid Mechanics, 1986, 164, 77-89. | 3.4 | 23 |
| 61 | The effects of turbulence on the mean flow past two-dimensional rectangular cylinders. Journal of Fluid Mechanics, 1984, 149, 255. | 3.4 | 103 |