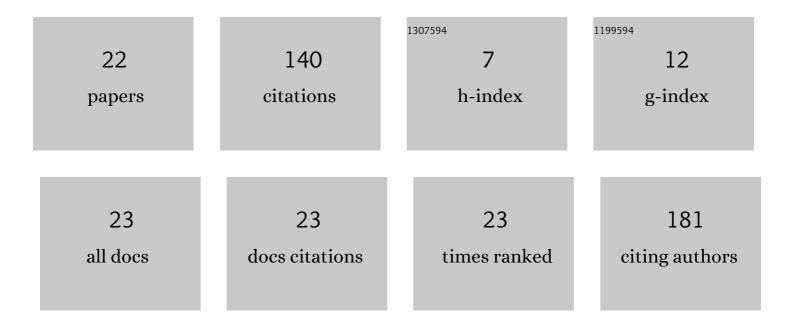
Yuta Yoshimoto

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Bottom-up construction of interaction models of non-Markovian dissipative particle dynamics. Physical Review E, 2013, 88, 043305.	2.1	38
2	Relating the thermal properties of a micro pulsating heat pipe to the internal flow characteristics via experiments, image recognition of flow patterns and heat transfer simulations. International Journal of Heat and Mass Transfer, 2020, 163, 120415.	4.8	23
3	Construction of non-Markovian coarse-grained models employing the Mori–Zwanzig formalism and iterative Boltzmann inversion. Journal of Chemical Physics, 2017, 147, 244110.	3.0	21
4	Relation between oxygen gas diffusivity and porous characteristics under capillary condensation of water in cathode catalyst layers of polymer electrolyte membrane fuel cells. International Journal of Heat and Mass Transfer, 2020, 150, 119277.	4.8	13
5	Mutual influence of molecular diffusion in gas and surface phases. Physical Review E, 2018, 97, 013101.	2.1	11
6	Molecular Insights into the Mechanical Properties of Polymer–Fullerene Bulk Heterojunctions for Organic Photovoltaic Applications. Macromolecules, 2021, 54, 958-969.	4.8	11
7	Effect of capillary condensation on gas transport properties in porous media. Physical Review E, 2017, 96, 043112.	2.1	10
8	Incident energy dependence of the scattering dynamics of water molecules on silicon and graphite surfaces: the effect on tangential momentum accommodation. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	4
9	Gas Adsorption and Diffusion Behaviors in Interfacial Systems Composed of a Polymer of Intrinsic Microporosity and Amorphous Silica: A Molecular Simulation Study. Langmuir, 2022, 38, 7567-7579.	3.5	4
10	Evaluation of gas permeability in porous separators for polymer electrolyte fuel cells: Computational fluid dynamics simulation based on micro-x-ray computed tomography images. Physical Review E, 2021, 104, 045105.	2.1	2
11	A non-diaphragm type small shock tube for application to a molecular beam source. Review of Scientific Instruments, 2013, 84, 075105.	1.3	1
12	Hyperthermal molecular beam source using a non-diaphragm-type small shock tube. Review of Scientific Instruments, 2016, 87, 105117.	1.3	1
13	Constructing a coarse-grained water model based on non-Markovian dissipative particle dynamics. Transactions of the JSME (in Japanese), 2018, 84, 18-00193-18-00193.	0.2	Ο
14	Gas–surface dynamics of oxygen molecules on Nafion ionomer membrane. AIP Conference Proceedings, 2019, , .	0.4	0
15	J053012 Measurements of Time-of-Flight Distributions of Shock-heated Molecular Beams. The Proceedings of Mechanical Engineering Congress Japan, 2012, 2012, _J053012-1J053012-5.	0.0	Ο
16	J053031 Construction of interaction models of dissipative particle dynamics by coarse-graining Lennard-Jones fluids : Investigation on the system with vapor-liquid interfaces. The Proceedings of Mechanical Engineering Congress Japan, 2012, 2012, _J053031-1J053031-5.	0.0	0
17	J053022 Molecular Dynamics Simulation for Vapor/Liquid Coexistence of Water Molecules in Nanopore. The Proceedings of Mechanical Engineering Congress Japan, 2013, 2013, _J053022-1J053022-4.	0.0	0
18	J053016 New formulation of dissipative particle dynamics : Non-Markovian models. The Proceedings of Mechanical Engineering Congress Japan, 2013, 2013, _J053016-1J053016-5.	0.0	0

#	Article	IF	CITATIONS
19	B212 Molecular dynamics simulation of wettability and pore diameter dependence of saturation pressure of water in nanocylinders. The Proceedings of the Thermal Engineering Conference, 2014, 2014, _B212-1B212-2	0.0	Ο
20	J0550203 Molecular Dynamics Simulation of Pore Diameter Dependence of Saturation Pressure of Water in Nanocylinder. The Proceedings of Mechanical Engineering Congress Japan, 2014, 2014, _J0550203J0550203	0.0	0
21	Flow analysis in pulsating heat pipes with microchannels. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, J0540201.	0.0	Ο
22	Large-scale analysis of liquid-water distribution in a porous material based on mean field theory: Application to a micro-porous layer in a polymer electrolyte fuel cell. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, J2220101.	0.0	0