

# Yuta Yoshimoto

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

140  
citations

1307594

7  
h-index

1199594

12  
g-index

23  
all docs

23  
docs citations

23  
times ranked

181  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bottom-up construction of interaction models of non-Markovian dissipative particle dynamics. <i>Physical Review E</i> , 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. <i>International Journal of Heat and Mass Transfer</i> , 2020, 163, 120415.	4.8	23
3	Construction of non-Markovian coarse-grained models employing the Mori-Zwanzig formalism and iterative Boltzmann inversion. <i>Journal of Chemical Physics</i> , 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. <i>International Journal of Heat and Mass Transfer</i> , 2020, 150, 119277.	4.8	13
5	Mutual influence of molecular diffusion in gas and surface phases. <i>Physical Review E</i> , 2018, 97, 013101.	2.1	11
6	Molecular Insights into the Mechanical Properties of Polymer-Fullerene Bulk Heterojunctions for Organic Photovoltaic Applications. <i>Macromolecules</i> , 2021, 54, 958-969.	4.8	11
7	Effect of capillary condensation on gas transport properties in porous media. <i>Physical Review E</i> , 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. <i>Microfluidics and Nanofluidics</i> , 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. <i>Langmuir</i> , 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. <i>Physical Review E</i> , 2021, 104, 045105.	2.1	2
11	A non-diaphragm type small shock tube for application to a molecular beam source. <i>Review of Scientific Instruments</i> , 2013, 84, 075105.	1.3	1
12	Hyperthermal molecular beam source using a non-diaphragm-type small shock tube. <i>Review of Scientific Instruments</i> , 2016, 87, 105117.	1.3	1
13	Constructing a coarse-grained water model based on non-Markovian dissipative particle dynamics. <i>Transactions of the JSME (in Japanese)</i> , 2018, 84, 18-00193-18-00193.	0.2	0
14	Gas-surface dynamics of oxygen molecules on Nafion ionomer membrane. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
15	J053012 Measurements of Time-of-Flight Distributions of Shock-heated Molecular Beams. <i>The Proceedings of Mechanical Engineering Congress Japan</i> , 2012, 2012, _J053012-1-_J053012-5.	0.0	0
16	J053031 Construction of interaction models of dissipative particle dynamics by coarse-graining Lennard-Jones fluids : Investigation on the system with vapor-liquid interfaces. <i>The Proceedings of Mechanical Engineering Congress Japan</i> , 2012, 2012, _J053031-1-_J053031-5.	0.0	0
17	J053022 Molecular Dynamics Simulation for Vapor/Liquid Coexistence of Water Molecules in Nanopore. <i>The Proceedings of Mechanical Engineering Congress Japan</i> , 2013, 2013, _J053022-1-_J053022-4.	0.0	0
18	J053016 New formulation of dissipative particle dynamics : Non-Markovian models. <i>The Proceedings of Mechanical Engineering Congress Japan</i> , 2013, 2013, _J053016-1-_J053016-5.	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, _B212-1_-_B212-2_.	0.0	0
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, _J0550203-_J0550203-.	0.0	0
21	Flow analysis in pulsating heat pipes with microchannels. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, J0540201.	0.0	0
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