Yoshinori Hirano

List of Publications by Year
in descending order

25	514	759233 12	888059 17
papers	citations	h-index	g-index

28	28	28	794
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Dynamics Study of Conformational Changes of Tankyrase 2 Binding Subsites upon Ligand Binding. ACS Omega, 2021, 6, 17609-17620.	3.5	14
2	Drug binding dynamics of the dimeric SARS-CoV-2 main protease, determined by molecular dynamics simulation. Scientific Reports, 2020, 10, 16986.	3.3	54
3	Use of the Multilayer Fragment Molecular Orbital Method to Predict the Rank Order of Proteinâ€“Ligand Binding Affinities: A Case Study Using Tankyrase 2 Inhibitors. ACS Omega, 2018, 3, 4475-4485.	3.5	14
4	Peptide-Assisted Enhancement of Inhibitory Effects of Small Molecular Inhibitors for Kinases. Bulletin of the Chemical Society of Japan, 2016, 89, 444-446.	3.2	3
5	Fluorogenic Enhancement of an in Vitro-Selected Peptide Ligand by Replacement of a Fluorescent Group. Analytical Chemistry, 2016, 88, 7991-7997.	6.5	15
6	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mi>f</mml:mi> of amino acids regulate water transportation in aquaporin 1. Physical Review E, 2014, 89, 022718.	2.1	27
7	In vitro selection of a peptide aptamer that potentiates inhibition of cyclin-dependent kinase 2 by purvalanol. MedChemComm, 2014, 5, 1400-1403.	3.4	11
8	A fluorogenic peptide probe developed by in vitro selection using tRNA carrying a fluorogenic amino acid. Chemical Communications, 2014, 50, 2962-2964.	4.1	24
9	Petascale molecular dynamics simulation using the fast multipole method on K computer. Computer Physics Communications, 2014, 185, 2575-2585.	7.5	22
10	1/F Fluctuations of Amino Acids Generate Non-Poisson Water Transportation in AQP1. Biophysical Journal, 2014, 106, 559a.	0.5	0
11	Dynamic interactions of cations, water and lipids and influence on membrane fluidity. Journal of Membrane Science, 2013, 435, 130-136.	8.2	20
12	Power-Law Trappings Cause Anomalous Diffusions of Water Molecules on Membrane Surfaces. Biophysical Journal, 2013, 104, 172a.	0.5	0
13	Power-law trapping of water molecules on the lipid-membrane surface induces water retardation. Physical Review E, 2013, 87, 052715.	2.1	23
14	Common Force Field Thermodynamics of Cholesterol. Scientific World Journal, The, 2013, 2013, 1-7.	2.1	1
15	Structural features of aquaporin 4 supporting the formation of arrays and junctions in biomembranes. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2234-2243.	2.6	7
16	A Possible Mechanism on Pressure Reversal of General Anesthesia in Membrane. Biophysical Journal, 2012, 102, 85a.	0.5	0
17	Diffusive Nature of Xenon Anesthetic Changes Properties of a Lipid Bilayer: Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2012, 116, 8989-8995.	2.6	59
18	An Efficient Computational Method for Calculating Ligand Binding Affinities. PLoS ONE, 2012, 7, e42846.	2.5	46

#	Article	IF	Citations
19	Non-Gaussian Fluctuations Resulting from Power-Law Trapping in a Lipid Bilayer. Physical Review Letters, 2011, 107, 178103.	7.8	87
20	Molecular Mechanisms How Mercury Inhibits Water Permeation of Aquaporin-1: Understanding by Molecular Dynamics Simulation. Biophysical Journal, 2010, 98, 568a.	0.5	0
21	Molecular Mechanisms of How Mercury Inhibits Water Permeation through Aquaporin-1: Understanding by Molecular Dynamics Simulation. Biophysical Journal, 2010, 98, 1512-1519.	0.5	86
22	3P-105 Molecular Dynamics Simulations of Aquaporin(The 46th Annual Meeting of the Biophysical) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	0
23	3P-212 Mercury Chloride Decreases the Water Permeability of Aquaporin-4-Reconstituted Proteoliposomes(The 46th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2008, 48, S160.	0.1	0
24	1P117 Computational study of Aquaporin(Membrane proteins,Poster Presentations). Seibutsu Butsuri, 2007, 47, S52.	0.1	0
25	1P590 Investigation of The Structure-Function Relationship of Importin-Î² by Molecular Dynamics Simulations(27. Molecular dynamics simulation,Poster Session,Abstract,Meeting Program of EABS &) Tj ETQq1 1 0.784314 rgBT /Ove	0.1	0