Seungho Choe

List of Publications by Year
in descending order

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34 papers	795 citations	623734 14 h-index	501196 28 g-index
35 all docs	35 docs citations	35 times ranked	928 citing authors

#	Article	IF	Citations
1	The mechanism of sodium and substrate release from the binding pocket of vSGLT. Nature, 2010, 468, 988-991.	27.8	197
2	A Continuum Method for Determining Membrane Protein Insertion Energies and the Problem of Charged Residues. Journal of General Physiology, 2008, 131, 563-573.	1.9	74
3	The elasticity of Î±-helices. Journal of Chemical Physics, 2005, 122, 244912.	3.0	61
4	Molecular Dynamics Simulation Study of a Pulmonary Surfactant Film Interacting with a Carbonaceous Nanoparticle. Biophysical Journal, 2008, 95, 4102-4114.	0.5	60
5	Spin-3/2 nucleon andÎ”baryons in lattice QCD. Physical Review D, 2003, 68, .	4.7	45
6	Water Permeation through the Sodium-Dependent Galactose Cotransporter vSGLT. Biophysical Journal, 2010, 99, L56-L58.	0.5	41
7	Stochastic steps in secondary active sugar transport. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3960-6.	7.1	38
8	Responses of hadrons to the chemical potential at finite temperature. Physical Review D, 2002, 65, .	4.7	36
9	Twist-4 matrix elements of the nucleon from recent DIS data at CERN and SLAC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 312, 351-357.	4.1	34
10	Quenched charmonium spectrum. Journal of High Energy Physics, 2003, 2003, 022-022.	4.7	25
11	Structural Determinants of Water Permeation through the Sodium-Galactose Transporter vSGLT. Biophysical Journal, 2014, 106, 1280-1289.	0.5	25
12	gKNÎ› andgKNÎ£from QCD sum rules. Physical Review C, 1996, 53, 1363-1367.	2.9	24
13	Responses of quark condensates to the chemical potential. Physical Review D, 2002, 66, .	4.7	22
14	gï€Î›Î£andgKÎ£Îžfrom QCD sum rules. Physical Review C, 1998, 57, 2061-2064.	2.9	18
15	QCD sum rules and chiral logarithms. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 348, 263-269.	4.1	13
16	Conformational dynamics of the inner pore helix of voltage-gated potassium channels. Journal of Chemical Physics, 2009, 130, 215103.	3.0	12
17	N* masses from an anisotropic lattice QCD action. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 248-250.	0.4	10
18	Î›(1405) as a multiquark state. European Physical Journal A, 1998, 3, 65-73.	2.5	9

#	Article	IF	Citations
19	Lattice tool kit in Fortran90. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 1037-1039.	0.4	8
20	Bending Elasticity of Anti-Parallel Î²-Sheets. Biophysical Journal, 2007, 92, 1204-1214.	0.5	8
21	Screening mass responses to chemical potential at finite temperature. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 462-464.	0.4	7
22	Molecular dynamics studies of interactions between Arg9(nona-arginine) and a DOPC/DOPG(4:1) membrane. AIP Advances, 2020, 10, 105103.	1.3	6
23	Quenched charmonium near the continuum limit. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 361-363.	0.4	5
24	CMB spectral Î¼-distortion of multiple inflation scenario. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 117-123.	4.1	5
25	Free Energy Analyses of Cell-Penetrating Peptides Using the Weighted Ensemble Method. Membranes, 2021, 11, 974.	3.0	3
26	Multiquark picture for Îž (1620). European Physical Journal A, 2000, 7, 441-448.	2.5	2
27	Kaon-baryon coupling constants in the QCD sum rule approach. Physical Review C, 2000, 62, .	2.9	2
28	Chemical potential response of pseudoscalar meson masses in the Nambuâ€”Jona-Lasinio model. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 474-476.	0.4	2
29	A continuum method for determining membrane protein insertion energies and the problem of charged residues. Journal of General Physiology, 2009, 134, 77-77.	1.9	2
30	Spin-3/2 baryons in lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 299-301.	0.4	1
31	Lyapunov instability of rigid diatomic molecules in three dimensions: A simpler method. Physical Review E, 2007, 75, 047701.	2.1	0
32	Understanding Substrate Unbinding from the Sodium-Galactose Co-Transporter vSGLT based on 16 Microseconds of Molecular Simulation. Biophysical Journal, 2012, 102, 661a.	0.5	0
33	Insight into the Mechanism of Water Permeation through the Sodium-Galactose Transporter vSGLT from Long Molecular Dynamics Simulations. Biophysical Journal, 2014, 106, 365a.	0.5	0
34	Energetics of Urea Permeation through Sodium-Dependent Galactose Cotransporter vSGLT. Biophysical Journal, 2014, 106, 365a.	0.5	0