Osman N Yogurtcu

List of Publications by Year
in descending order

25	429	933447 10	940533 16
papers	citations	h-index	g-index

32	32	32	665
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Summary of a Public FDA Workshop: Model Informed Drug Development Approaches for Immunogenicity Assessments. Clinical Pharmacology and Therapeutics, 2023, 113, 221-225.	4.7	0
2	A Systematic Review of the Efforts and Hindrances of Modeling and Simulation of CAR T-cell Therapy. AAPS Journal, 2021, 23, 52.	4.4	18
3	Mathematical model of a personalized neoantigen cancer vaccine and the human immune system. PLoS Computational Biology, 2021, 17, e1009318.	3.2	7
4	NERDSS: A Nonequilibrium Simulator for Multibody Self-Assembly at the Cellular Scale. Biophysical Journal, 2020, 118, 3026-3040.	0.5	28
5	TCPro: an In Silico Risk Assessment Tool for Biotherapeutic Protein Immunogenicity. AAPS Journal, 2019, 21, 96.	4.4	13
6	TCPRO: An In-Silico Risk Assessment Tool for Biotherapeutic Protein Immunogenicity. Biophysical Journal, 2019, 116, 563a.	0.5	0
7	Predictive model for Zika virus RNA minipool nucleic acid testing in outbreak scenarios. Transfusion, 2019, 59, 2211-2217.	1.6	3
8	An implicit lipid model for efficient reaction-diffusion simulations of protein binding to surfaces of arbitrary topology. Journal of Chemical Physics, 2019, 151, 124115.	3.0	16
9	SampPick: Selection of a Cohort of Subjects Matching a Population HLA Distribution. Frontiers in Immunology, 2019, 10, 2894.	4.8	6
10	Cytosolic proteins can exploit membrane localization to trigger functional assembly. PLoS Computational Biology, 2018, 14, e1006031.	3.2	48
11	Membrane Recruitment can Increase the Number of Protein Assemblies by Many Folds: Insights from Theory and Reaction-Diffusion Simulation. Biophysical Journal, 2017, 112, 46a.	0.5	0
12	Governing Principles of Multiprotein Complex Formation on the Cell Membranes: An Investigation using Single-Molecule Resolution Spatio-Temporal Stochastic Computer Simulations and Analytical Calculations. Biophysical Journal, 2016, 110, 347a.	0.5	0
13	Novel Single-Molecule Resolution Method for Spatio-Temporal Simulations of Protein Binding and Recruitment on the Membrane. Biophysical Journal, 2015, 108, 526a.	0.5	0
14	Theory of bi-molecular association dynamics in 2D for accurate model and experimental parameterization of binding rates. Journal of Chemical Physics, 2015, 143, 084117.	3.0	31
15	Collective cancer cell invasion induced by coordinated contractile stresses. Oncotarget, 2015, 6, 43438-43451.	1.8	70
16	Investigation of Ht1080 Tumor Growth Dynamics and ECM Invasion inÂ3D. Biophysical Journal, 2013, 104, 322a.	0.5	0
17	A Two-State Eukaryotic Cell Migration Model. Biophysical Journal, 2012, 102, 347a.	0.5	1
18	A Mechanochemical Model of Actin Filaments. Biophysical Journal, 2012, 103, 719-727.	0.5	40

#	Article	IF	Citations
19	Analysis of Bundle Formation in Biofilaments. Biophysical Journal, 2011, 100, 388a.	0.5	0
20	Modeling the Mechanical Property of Single Actin Filament. Biophysical Journal, 2011, 100, 299a.	0.5	0
21	Mechanical Response and Conformational Amplification in Î±-Helical Coiled Coils. Biophysical Journal, 2010, 99, 3895-3904.	0.5	23
22	Statistical thermodynamics of residue fluctuations in native proteins. Journal of Chemical Physics, 2009, 130, 095103.	3.0	18
23	Restricted Mobility of Conserved Residues in Protein-Protein Interfaces in Molecular Simulations. Biophysical Journal, 2008, 94, 3475-3485.	0.5	71
24	Extracting Gene Regulation Information from Microarray Time-Series Data Using Hidden Markov Models. Lecture Notes in Computer Science, 2006, , 144-153.	1.3	2
25	Musical instrument recognition using reflection coefficients. , 0, , .		0