Aniket Magarkar

List of Publications by Year
in descending order

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28 papers	1,096 citations	516561 16 h-index	526166 27 g-index
29 all docs	29 docs citations	29 times ranked	2050 citing authors

#	Article	IF	Citations
1	Mechanistic Insight into How PEGylation Reduces the Efficacy of pH-Sensitive Liposomes from Molecular Dynamics Simulations. Molecular Pharmaceutics, 2021, 18, 2612-2621.	2.3	8
2	In Vitro and in Vivo Behavior of Liposomes Decorated with PEGs with Different Chemical Features. Molecular Pharmaceutics, 2020, 17, 472-487.	2.3	18
3	Fragment Binding Pose Predictions Using Unbiased Simulations and Markov-State Models. Journal of Chemical Theory and Computation, 2019, 15, 4974-4981.	2.3	16
4	Enhancing Drug Residence Time by Shielding of Intra-Protein Hydrogen Bonds: A Case Study on CCR2 Antagonists. ACS Medicinal Chemistry Letters, 2019, 10, 324-328.	1.3	15
5	Distinct Interactions of Sodium and Calcium Cations and Neutral Phospholipid Membranes and How to Simulate Them. Biophysical Journal, 2019, 116, 90a-91a.	0.2	0
6	Determinants of Orexin Receptor Binding and Activationâ€"A Molecular Dynamics Study. Journal of Physical Chemistry B, 2019, 123, 2609-2622.	1.2	6
7	Membrane bound COMT isoform is an interfacial enzyme: general mechanism and new drug design paradigm. Chemical Communications, 2018, 54, 3440-3443.	2.2	20
8	Arginine-rich cell-penetrating peptides induce membrane multilamellarity and subsequently enter via formation of a fusion pore. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11923-11928.	3.3	168
9	Lipid Architectonics for Superior Oral Bioavailability of Nelfinavir Mesylate: Comparative in vitro and in vivo Assessment. AAPS PharmSciTech, 2018, 19, 3584-3598.	1.5	9
10	Glyceryl Monostearate: Probing the Self Assembly of a Lipid Amenable To Surface Modification for Hepatic Targeting. Journal of Physical Chemistry C, 2018, 122, 22160-22169.	1.5	4
11	Control of Peptide Aggregation and Fibrillation by Physical PEGylation. Biomacromolecules, 2018, 19, 3958-3969.	2.6	9
12	Increased Binding of Calcium Ions at Positively Curved Phospholipid Membranes. Journal of Physical Chemistry Letters, 2017, 8, 518-523.	2.1	27
13	Two cations, two mechanisms: interactions of sodium and calcium with zwitterionic lipid membranes. Chemical Communications, 2017, 53, 5380-5383.	2.2	44
14	A novelin silicoframework to improve MHC-I epitopes and break the tolerance to melanoma. OncoImmunology, 2017, 6, e1319028.	2.1	25
15	A computational study suggests that replacing PEG with PMOZ may increase exposure of hydrophobic targeting moiety. European Journal of Pharmaceutical Sciences, 2017, 103, 128-135.	1.9	17
16	Membrane Binding of Recoverin: From Mechanistic Understanding to Biological Functionality. ACS Central Science, 2017, 3, 868-874.	5.3	15
17	Influence of doxorubicin on model cell membrane properties: insights from in vitro and in silico studies. Scientific Reports, 2017, 7, 6343.	1.6	70
18	642. Oncolytic Vaccines with Modified Tumor Epitopes for Cancer Immunotherapy. Molecular Therapy, 2016, 24, S254.	3.7	0

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19	Design of cholesterol arabinogalactan anchored liposomes for asialoglycoprotein receptor mediated targeting to hepatocellular carcinoma: In silic o modeling, in vitro and in vivo evaluation. International Journal of Pharmaceutics, 2016, 509, 149-158.	2.6	28
20	Rational design of liposomal drug delivery systems, a review: Combined experimental and computational studies of lipid membranes, liposomes and their PEGylation. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2334-2352.	1.4	146
21	Oncolytic adenoviruses coated with MHC-I tumor epitopes increase the antitumor immunity and efficacy against melanoma. OncoImmunology, 2016, 5, e1105429.	2.1	70
22	Hydrophobin Film Structure for HFBI and HFBII and Mechanism for Accelerated Film Formation. PLoS Computational Biology, 2014, 10, e1003745.	1.5	27
23	Molecular Dynamics Simulation of Inverse-Phosphocholine Lipids. Journal of Physical Chemistry C, 2014, 118, 19444-19449.	1.5	14
24	Molecular Dynamics Simulation of PEGylated Membranes with Cholesterol: Building Toward the DOXIL Formulation. Journal of Physical Chemistry C, 2014, 118, 15541-15549.	1.5	25
25	Cholesterol level affects surface charge of lipid membranes in saline solution. Scientific Reports, 2014, 4, 5005.	1.6	157
26	Molecular Dynamics Simulation of PEGylated Bilayer Interacting with Salt Ions: A Model of the Liposome Surface in the Bloodstream. Journal of Physical Chemistry B, 2012, 116, 4212-4219.	1.2	64
27	Analysis of cause of failure of new targeting peptide in PEGylated liposome: Molecular modeling as rational design tool for nanomedicine. European Journal of Pharmaceutical Sciences, 2012, 46, 121-130.	1.9	58
28	Properties of the Membrane Binding Component of Catechol-O-methyltransferase Revealed by Atomistic Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2011, 115, 13541-13550.	1.2	15