

Jeffrey Comer

List of Publications by Year in descending order

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71
papers

2,973
citations

182225

30
h-index

190340

53
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72
all docs

72
docs citations

72
times ranked

4557
citing authors

#	ARTICLE	IF	CITATIONS
1	Local immune checkpoint blockade therapy by an adenovirus encoding a novel PD-L1 inhibitory peptide inhibits the growth of colon carcinoma in immunocompetent mice. <i>Translational Oncology</i> , 2022, 16, 101337.	1.7	1
2	Oral Administration of Water Extract from <i>Euglena gracilis</i> Alters the Intestinal Microbiota and Prevents Lung Carcinoma Growth in Mice. <i>Nutrients</i> , 2022, 14, 678.	1.7	5
3	Organic contaminants and atmospheric nitrogen at the graphene-water interface: a simulation study. <i>Nanoscale Advances</i> , 2022, 4, 1741-1757.	2.2	4
4	Urea-Modified Self-Assembling Peptide Amphiphiles That Form Well-Defined Nanostructures and Hydrogels for Biomedical Applications. <i>ACS Applied Bio Materials</i> , 2022, 5, 4599-4610.	2.3	6
5	A Water Extract from <i>Chlorella sorokiniana</i> Cell Walls Stimulates Growth of Bone Marrow Cells and Splenocytes. <i>Nutrients</i> , 2022, 14, 2901.	1.7	1
6	Atomically resolved interfacial water structures on crystalline hydrophilic and hydrophobic surfaces. <i>Nanoscale</i> , 2021, 13, 5275-5283.	2.8	35
7	Beta-1,3 Oligoglucans Specifically Bind to Immune Receptor CD28 and May Enhance T Cell Activation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3124.	1.8	6
8	Extraction of Chlorobenzenes and PCBs from Water by ZnO Nanoparticles. <i>Processes</i> , 2021, 9, 1764.	1.3	0
9	Water extract from <i>Euglena gracilis</i> prevents lung carcinoma growth in mice by attenuation of the myeloid-derived cell population. <i>Biomedicine and Pharmacotherapy</i> , 2020, 127, 110166.	2.5	12
10	Structural Determinants of the Dopamine Transporter Regulation Mediated by G Proteins. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 3577-3586.	2.5	2
11	Cell Wall Membrane Fraction of <i>Chlorella sorokiniana</i> Enhances Host Antitumor Immunity and Inhibits Colon Carcinoma Growth in Mice. <i>Integrative Cancer Therapies</i> , 2020, 19, 153473541990055.	0.8	10
12	Potential of Matrix Metalloproteinase Inhibitors for the Treatment of Local Tissue Damage Induced by a Type P-I Snake Venom Metalloproteinase. <i>Toxins</i> , 2020, 12, 8.	1.5	7
13	A Structural Model of the Inactivation Gate of Voltage-Activated Potassium Channels. <i>Biophysical Journal</i> , 2019, 117, 377-387.	0.2	5
14	Affordable Membrane Permeability Calculations: Permeation of Short-Chain Alcohols through Pure-Lipid Bilayers and a Mammalian Cell Membrane. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 2913-2924.	2.3	27
15	Predicting the preferred morphology of hexagonal boron nitride domain structure on nickel from ReaxFF-based molecular dynamics simulations. <i>Nanoscale</i> , 2019, 11, 5607-5616.	2.8	20
16	Computational modeling of the adsorption of capping agent biomolecules to inorganic nanoparticles. , 2019, , 21-41.		0
17	Comparative Molecular Immunological Activity of Physiological Metal Oxide Nanoparticle and its Anticancer Peptide and RNA Complexes. <i>Nanomaterials</i> , 2019, 9, 1670.	1.9	12
18	Thermodynamics of Adsorption on Graphenic Surfaces from Aqueous Solution. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 1302-1316.	2.3	41

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19	Interactions between Triterpenes and a P-I Type Snake Venom Metalloproteinase: Molecular Simulations and Experiments. <i>Toxins</i> , 2018, 10, 397.	1.5	5
20	Inhibition of a Snake Venom Metalloproteinase by the Flavonoid Myricetin. <i>Molecules</i> , 2018, 23, 2662.	1.7	26
21	Link between Membrane Composition and Permeability to Drugs. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 2895-2909.	2.3	35
22	The influence of polyethylene glycol passivation on the surface plasmon resonance induced photothermal properties of gold nanorods. <i>Nanoscale</i> , 2018, 10, 13684-13693.	2.8	24
23	Chasing a Protein's Tail: Detection of Polypeptide Translocation through Nanopores. <i>Biophysical Journal</i> , 2018, 114, 759-760.	0.2	4
24	Exploring adsorption of neutral aromatic pollutants onto graphene nanomaterials via molecular dynamics simulations and theoretical linear solvation energy relationships. <i>Environmental Science: Nano</i> , 2018, 5, 2117-2128.	2.2	22
25	Experimental and Computational Characterization of the Interaction between Gold Nanoparticles and Polyamidoamine Dendrimers. <i>Langmuir</i> , 2018, 34, 10063-10072.	1.6	11
26	Comparative functional dynamics studies on the enzyme nano-bio interface. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 4523-4536.	3.3	7
27	Polymeric substances for the removal of ochratoxin A from red wine followed by computational modeling of the complexes formed. <i>Food Chemistry</i> , 2018, 265, 159-164.	4.2	10
28	Study of specific interactions in inclusion complexes of amine-terminated PAMAM dendrimer/flavonoids by experimental and computational methods. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017, 66, 485-494.	1.8	4
29	Enzyme and Cancer Cell Selectivity of Nanoparticles: Inhibition of 3-D Metastatic Phenotype and Experimental Melanoma by Zinc Oxide. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 221-231.	0.5	15
30	Permeability of a Fluid Lipid Bilayer to Short-Chain Alcohols from First Principles. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 2523-2532.	2.3	33
31	Determinants of Alanine Dipeptide Conformational Equilibria on Graphene and Hydroxylated Derivatives. <i>Journal of Physical Chemistry B</i> , 2017, 121, 3895-3907.	1.2	23
32	Novel specific peptides as superior surface stabilizers for silver nano structures: role of peptide chain length. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8925-8928.	2.9	14
33	Understanding Noncovalent Interactions of Small Molecules with Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2017, 23, 12909-12916.	1.7	30
34	Iodide Binding in Sodium-Coupled Cotransporters. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 3043-3055.	2.5	12
35	Rose Bengal Binding to Collagen and Tissue Photobonding. <i>ACS Omega</i> , 2017, 2, 6646-6657.	1.6	41
36	Self-Assembly of Amphiphilic Dendrimers: The Role of Generation and Alkyl Chain Length in siRNA Interaction. <i>Scientific Reports</i> , 2016, 6, 29436.	1.6	30

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37	Simulation-Based Approaches for Determining Membrane Permeability of Small Compounds. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 721-733.	2.5	174
38	DNA sequence-dependent ionic currents in ultra-small solid-state nanopores. <i>Nanoscale</i> , 2016, 8, 9600-9613.	2.8	29
39	Subdiffusion in Membrane Permeation of Small Molecules. <i>Scientific Reports</i> , 2016, 6, 35913.	1.6	63
40	Understanding the Interaction between Biomolecules and Silver Nanoparticles. <i>Biophysical Journal</i> , 2016, 110, 341a.	0.2	3
41	New Insights into Peptide-Silver Nanoparticle Interaction: Deciphering the Role of Cysteine and Lysine in the Peptide Sequence. <i>Langmuir</i> , 2016, 32, 265-273.	1.6	49
42	Is Sodium Monocarboxylate Transporter (SMCT1) A Protein Involved in the Apical Iodide Transport?. <i>Biophysical Journal</i> , 2016, 110, 139a.	0.2	0
43	Molecular Dynamics Simulations of Membrane Translocation of Dendrimers. <i>Biophysical Journal</i> , 2016, 110, 571a.	0.2	0
44	Sonoporation at Small and Large Length Scales: Effect of Cavitation Bubble Collapse on Membranes. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 413-418.	2.1	41
45	Molecular Determinants of Phosphatidylinositol 4,5-Bisphosphate (PI(4,5)P ₂) Binding to Transient Receptor Potential V1 (TRPV1) Channels. <i>Journal of Biological Chemistry</i> , 2015, 290, 2086-2098.	1.6	65
46	Predicting Adsorption Affinities of Small Molecules on Carbon Nanotubes Using Molecular Dynamics Simulation. <i>ACS Nano</i> , 2015, 9, 11761-11774.	7.3	89
47	The Adaptive Biasing Force Method: Everything You Always Wanted To Know but Were Afraid To Ask. <i>Journal of Physical Chemistry B</i> , 2015, 119, 1129-1151.	1.2	351
48	Achieving ergodic sampling using replica-exchange free-energy calculations. <i>Molecular Simulation</i> , 2014, 40, 218-228.	0.9	23
49	Multiple-Replica Strategies for Free-Energy Calculations in NAMD: Multiple-Walker Adaptive Biasing Force and Walker Selection Rules. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 5276-5285.	2.3	66
50	In situ and in silico evaluation of amine- and folate-terminated dendrimers as nanocarriers of anesthetics. <i>European Journal of Medicinal Chemistry</i> , 2014, 73, 250-257.	2.6	17
51	Close encounters with DNA. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 413101.	0.7	46
52	Calculation of Lipid-Bilayer Permeabilities Using an Average Force. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 554-564.	2.3	57
53	Diffusive Models of Membrane Permeation with Explicit Orientational Freedom. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 2710-2718.	2.3	43
54	Dangerous Liaisons between Detergents and Membrane Proteins. The Case of Mitochondrial Uncoupling Protein 2. <i>Journal of the American Chemical Society</i> , 2013, 135, 15174-15182.	6.6	86

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55	Paclitaxel-PHBV nanoparticles and their toxicity to endometrial and primary ovarian cancer cells. <i>Biomaterials</i> , 2013, 34, 4098-4108.	5.7	87
56	Calculating Position-Dependent Diffusivity in Biased Molecular Dynamics Simulations. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 876-882.	2.3	64
57	Computationally Efficient Methodology for Atomic-Level Characterization of Dendrimer-Drug Complexes: A Comparison of Amine- and Acetyl-Terminated PAMAM. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6801-6813.	1.2	80
58	Water Conduction through a Peptide Nanotube. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26797-26803.	1.5	30
59	Toward detection of DNA-bound proteins using solid-state nanopores: Insights from computer simulations. <i>Electrophoresis</i> , 2012, 33, 3466-3479.	1.3	14
60	Assessing Graphene Nanopores for Sequencing DNA. <i>Nano Letters</i> , 2012, 12, 4117-4123.	4.5	237
61	DNA Base-Calling from a Nanopore Using a Viterbi Algorithm. <i>Biophysical Journal</i> , 2012, 102, L37-L39.	0.2	75
62	Predicting the DNA Sequence Dependence of Nanopore Ion Current Using Atomic-Resolution Brownian Dynamics. <i>Journal of Physical Chemistry C</i> , 2012, 116, 3376-3393.	1.5	90
63	Modeling Pressure-Driven Transport of Proteins Through a Nanochannel. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 75-82.	1.1	25
64	Microscopic Perspective on the Adsorption Isotherm of a Heterogeneous Surface. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1804-1807.	2.1	32
65	Atoms-to-microns model for small solute transport through sticky nanochannels. <i>Lab on A Chip</i> , 2011, 11, 3766.	3.1	19
66	Lipid bilayer coated Al ₂ O ₃ nanopore sensors: towards a hybrid biological solid-state nanopore. <i>Biomedical Microdevices</i> , 2011, 13, 671-682.	1.4	52
67	Slowing the translocation of double-stranded DNA using a nanopore smaller than the double helix. <i>Nanotechnology</i> , 2010, 21, 395501.	1.3	74
68	Analyzing the forces binding a restriction endonuclease to DNA using a synthetic nanopore. <i>Nucleic Acids Research</i> , 2009, 37, 4170-4179.	6.5	39
69	Microscopic Mechanics of Hairpin DNA Translocation through Synthetic Nanopores. <i>Biophysical Journal</i> , 2009, 96, 593-608.	0.2	84
70	Detection of DNA Sequences Using an Alternating Electric Field in a Nanopore Capacitor. <i>Nano Letters</i> , 2008, 8, 56-63.	4.5	162
71	Stretching and unzipping nucleic acid hairpins using a synthetic nanopore. <i>Nucleic Acids Research</i> , 2008, 36, 1532-1541.	6.5	65