

Kumar Sinniah

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,340
citations

516681

16
h-index

501174

28
g-index

31
all docs

31
docs citations

31
times ranked

1246
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring the Adhesion Forces for the Multivalent Binding of Vancomycin-Conjugated Dendrimer to Bacterial Cell-Wall Peptide. <i>Langmuir</i> , 2018, 34, 7135-7146.	3.5	9
2	Riboflavin-Conjugated Multivalent Dendrimer Platform for Cancer-Targeted Drug and Gene Delivery. <i>Nanomedicine and Nanotoxicology</i> , 2017, , 145-171.	0.2	2
3	Self-propagating, protease-resistant, recombinant prion protein conformers with or without in vivo pathogenicity. <i>PLoS Pathogens</i> , 2017, 13, e1006491.	4.7	31
4	The role of the unusual threonine string in the conversion of prion protein. <i>Scientific Reports</i> , 2016, 6, 38877.	3.3	14
5	Force Spectroscopy of Multivalent Binding of Riboflavin-Conjugated Dendrimers to Riboflavin Binding Protein. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5785-5792.	2.6	17
6	Characterization of Folic Acid and Poly(amidoamine) Dendrimer Interactions with Folate Binding Protein: A Force-Pulling Study. <i>Journal of Physical Chemistry B</i> , 2015, 119, 11506-11512.	2.6	16
7	Poly(amidoamine) Dendrimer-Methotrexate Conjugates: The Mechanism of Interaction with Folate Binding Protein. <i>Molecular Pharmaceutics</i> , 2014, 11, 4049-4058.	4.6	29
8	Atomic Force Microscopy Probing of Receptor-Nanoparticle Interactions for Riboflavin Receptor Targeted Gold-Dendrimer Nanocomposites. <i>Journal of Physical Chemistry B</i> , 2014, 118, 2872-2882.	2.6	35
9	An Isothermal Titration and Differential Scanning Calorimetry Study of the G-Quadruplex DNA-Insulin Interaction. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1784-1790.	2.6	17
10	Interactions between Artemisinins and other Antimalarial Drugs in Relation to the Cofactor Model-A Unifying Proposal for Drug Action. <i>ChemMedChem</i> , 2012, 7, 2204-2226.	3.2	63
11	Biophysical Characterization of a Riboflavin-Conjugated Dendrimer Platform for Targeted Drug Delivery. <i>Biomacromolecules</i> , 2012, 13, 507-516.	5.4	52
12	Thermodynamic Characterization of a Riboflavin-Dendrimer Platform for Targeted Drug Delivery Applications. <i>FASEB Journal</i> , 2012, 26, 999.2.	0.5	0
13	The Binding of G-Quadruplex DNA to Insulin: From Single Molecule to Bulk-Methods. <i>FASEB Journal</i> , 2012, 26, 740.1.	0.5	0
14	Bioanalytical Screening of Riboflavin Antagonists for Targeted Drug Delivery-A Thermodynamic and Kinetic Study. <i>ACS Medicinal Chemistry Letters</i> , 2011, 2, 363-367.	2.8	29
15	Single Molecule Force Spectroscopy on G-Quadruplex DNA. <i>Chemistry - A European Journal</i> , 2009, 15, 8113-8116.	3.3	44
16	Estimating Kinetic and Thermodynamic Parameters from Single Molecule Enzyme-Inhibitor Interactions. <i>Langmuir</i> , 2008, 24, 11556-11561.	3.5	18
17	Investigating the Specific Interactions between Carbonic Anhydrase and a Sulfonamide Inhibitor by Single-Molecule Force Spectroscopy. <i>Langmuir</i> , 2007, 23, 12561-12565.	3.5	13
18	Electrostatic Orientation of Enzymes on Surfaces for Ligand Screening Probed by Force Spectroscopy. <i>Langmuir</i> , 2006, 22, 887-892.	3.5	25

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19	Effects of Contact Force and Salt Concentration on the Unbinding of a DNA Duplex by Force Spectroscopy. <i>Langmuir</i> , 2006, 22, 882-886.	3.5	19
20	Label-Free Detection of DNA Hybridization at the Nanoscale: A Highly Sensitive and Selective Approach Using Atomic-Force Microscopy. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4934-4937.	13.8	58
21	Visualizing Atoms, Molecules and Surfaces by Scanning Probe Microscopy. <i>Journal of Chemical Education</i> , 2003, 80, 187.	2.3	16
22	Investigating live and fixed epithelial and fibroblast cells by atomic force microscopy. <i>Current Eye Research</i> , 2002, 24, 188-195.	1.5	10
23	Using Force Spectroscopy To Investigate the Binding of Complementary DNA in the Presence of Intercalating Agents. <i>Langmuir</i> , 2002, 18, 5333-5336.	3.5	10
24	Use of Atomic Force Microscopy for Making Addresses in DNA Coatings. <i>Langmuir</i> , 2002, 18, 8278-8281.	3.5	70
25	Investigating live and fixed epithelial and fibroblast cells by atomic force microscopy. <i>Current Eye Research</i> , 2002, 25, 61-68.	1.5	16
26	Ion Chromatography: Analysis of Ions in Pond Waters. <i>Journal of Chemical Education</i> , 2001, 78, 358.	2.3	14
27	Isotope mixing between chemisorbed CO molecules on a K promoted Ni(111) surface: an LITD study. <i>Surface Science</i> , 1991, 243, L67-L69.	1.9	2
28	Isotope mixing between chemisorbed CO molecules on a K promoted Ni(111) surface: an LITD study. <i>Surface Science Letters</i> , 1991, 243, L67-L69.	0.1	0
29	Hydrogen desorption from the monohydride phase on Si(100). <i>Journal of Chemical Physics</i> , 1990, 92, 5700-5711.	3.0	364
30	New Mechanism for Hydrogen Desorption from Covalent Surfaces: The Monohydride Phase on Si(100). <i>Physical Review Letters</i> , 1989, 62, 567-570.	7.8	344