

Kumar Sinniah

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,340
citations

516710

16
h-index

501196

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) Dendrimerâ€“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 Receptorâ€“Nanoparticle Interactions for Riboflavin Receptor Targeted Goldâ€“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 DNAâ€“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 Modelâ€“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 Riboflavinâ€“Dendrimer Platform for Targeted Drug Delivery Applications. <i>FASEB Journal</i> , 2012, 26, 999.2.	0.5	0
13	The Binding of Gâ€“Quadruplex DNA to Insulin: From Single Molecule to Bulkâ€“Methods. <i>FASEB Journal</i> , 2012, 26, 740.1.	0.5	0
14	Bioanalytical Screening of Riboflavin Antagonists for Targeted Drug Deliveryâ€“A Thermodynamic and Kinetic Study. <i>ACS Medicinal Chemistry Letters</i> , 2011, 2, 363-367.	2.8	29
15	Single Molecule Force Spectroscopy on Gâ€“Quadruplex DNA. <i>Chemistry - A European Journal</i> , 2009, 15, 8113-8116.	3.3	44
16	Estimating Kinetic and Thermodynamic Parameters from Single Molecule Enzymeâ€“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

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