Ramkrishna Adhikary

List of Publications by Year
in descending order

37 papers	1,236 citations	361045 20 h-index	377514 34 g-index
39 all docs	39 docs citations	39 times ranked	1753 citing authors

#	Article	IF	Citations
1	Evolution of thermophilic DNA polymerases for the recognition and amplification of C2Ê¹-modified DNA. Nature Chemistry, 2016, 8, 556-562.	6.6	109
2	Transparent Window Vibrational Probes for the Characterization of Proteins With High Structural and Temporal Resolution. Chemical Reviews, 2017, 117, 1927-1969.	23.0	104
3	Excited-State Intramolecular Hydrogen Atom Transfer and Solvation Dynamics of the Medicinal Pigment Curcumin. Journal of Physical Chemistry B, 2009, 113, 5255-5261.	1.2	97
4	Excited-State Intramolecular Hydrogen Atom Transfer of Curcumin in Surfactant Micelles. Journal of Physical Chemistry B, 2010, 114, 2997-3004.	1.2	87
5	Organicâ"Inorganic Nanocomposites by Placing Conjugated Polymers in Intimate Contact with Quantum Rods. Advanced Materials, 2011, 23, 2844-2849.	11.1	85
6	Semiconductor Anisotropic Nanocomposites Obtained by Directly Coupling Conjugated Polymers with Quantum Rods. Angewandte Chemie - International Edition, 2011, 50, 3958-3962.	7.2	78
7	New codons for efficient production of unnatural proteins in a semisynthetic organism. Nature Chemical Biology, 2020, 16, 570-576.	3.9	67
8	Solvation Dynamics of the Fluorescent Probe PRODAN in Heterogeneous Environments: Contributions from the Locally Excited and Charge-Transferred States. Journal of Physical Chemistry B, 2009, 113, 11999-12004.	1.2	59
9	Dynamic Solvation in Phosphonium Ionic Liquids:â€‰ Comparison of Bulk and Micellar Systems and Considerations for the Construction of the Solvation Correlation Function, C(t). Journal of Physical Chemistry B, 2008, 112, 3390-3396.	1.2	48
10	Evidence of an Unusual Nâ€"HÂ·Â·Â·N Hydrogen Bond in Proteins. Journal of the American Chemical Society, 2014, 136, 13474-13477.	6.6	44
11	IR Probes of Protein Microenvironments: Utility and Potential for Perturbation. ChemPhysChem, 2014, 15, 849-853.	1.0	41
12	Adaptive Mutations Alter Antibody Structure and Dynamics during Affinity Maturation. Biochemistry, 2015, 54, 2085-2093.	1.2	37
13	Considerations for the Construction of the Solvation Correlation Function and Implications for the Interpretation of Dielectric Relaxation in Proteins. Journal of Physical Chemistry B, 2009, 113, 11061-11068.	1.2	33
14	Photoinduced trans-to-cis Isomerization of Cyclocurcumin. Journal of Physical Chemistry B, 2011, 115, 10707-10714.	1.2	33
15	Accumulation and Interaction of Hypericin in Low-density Lipoproteinâ€" A Photophysical Study. Photochemistry and Photobiology, 2008, 84, 706-712.	1.3	30
16	Protein Dynamics and the Diversity of an Antibody Response. Journal of Biological Chemistry, 2012, 287, 27139-27147.	1.6	30
17	Temperature Dependence of CN and SCN IR Absorptions Facilitates Their Interpretation and Use as Probes of Proteins. Analytical Chemistry, 2015, 87, 11561-11567.	3.2	26
18	Fluorescence-Based Method, Exploiting Lipofuscin, for Real-Time Detection of Central Nervous System Tissues on Bovine Carcasses. Journal of Agricultural and Food Chemistry, 2008, 56, 6220-6226.	2.4	23

#	Article	IF	Citations
19	Siteâ€Specifically Arraying Small Molecules or Proteins on DNA Using An Expanded Genetic Alphabet. Chemistry - A European Journal, 2013, 19, 14205-14209.	1.7	20
20	Influence of Chiral Ionic Liquids on the Excited-State Properties of Naproxen Analogs. Journal of Physical Chemistry B, 2008, 112, 7555-7559.	1.2	19
21	Femtosecond Fluorescence Upconversion Investigations on the Excited-State Photophysics of Curcumin. Australian Journal of Chemistry, 2011, 64, 23.	0.5	19
22	Fluorescence Spectroscopy of the Retina for Diagnosis of Transmissible Spongiform Encephalopathies. Analytical Chemistry, 2010, 82, 4097-4101.	3.2	16
23	Comparison of the Dielectric Response Obtained from Fluorescence Upconversion Measurements and Molecular Dynamics Simulations for Coumarin 153â^'Apomyoglobin Complexes and Structural Analysis of the Complexes by NMR and Fluorescence Methods. Journal of Physical Chemistry A, 2011, 115, 3630-3641.	1.1	15
24	Chlorin p6as a fluorescent probe for the investigation of surfactantâ€“cyclodextrin interactions. Photochemical and Photobiological Sciences, 2006, 5, 741-747.	1.6	14
25	Experimental Characterization of Electrostatic and Conformational Heterogeneity in an SH3 Domain. Journal of Physical Chemistry B, 2013, 117, 13082-13089.	1.2	14
26	Monitoring the Accumulation of Lipofuscin in Aging Murine Eyes by Fluorescence Spectroscopy. Photochemistry and Photobiology, 2009, 85, 234-238.	1.3	13
27	An Alternative Terminal Step of the General Secretory Pathway in Staphylococcus aureus. MBio, 2015, 6, .	1.8	11
28	Topological Evidence of Previously Overlooked N_{i+1}â€“HÂ·Â·Â·N_i H-Bonds and Their Contribution to Protein Structure and Stability. Journal of Physical Chemistry A, 2018, 122, 446-450.	1.1	11
29	Conformational Heterogeneity and DNA Recognition by the Morphogen Bicoid. Biochemistry, 2017, 56, 2787-2793.	1.2	8
30	Optimization of a Î²-Lactam Scaffold for Antibacterial Activity via the Inhibition of Bacterial Type I Signal Peptidase. ACS Medicinal Chemistry Letters, 2018, 9, 376-380.	1.3	8
31	A Comparison of the Fluorescence Spectra of Murine and Bovine Central Nervous System and Other Tissues. Photochemistry and Photobiology, 2009, 85, 1322-1326.	1.3	4
32	Applications of fluorescence spectroscopy to problems of food safety: detection of fecal contamination and of the presence of central nervous system tissue and diagnosis of neurological disease. Proceedings of SPIE, 2010, , .	0.8	3
33	Structure and Dynamics of Stacking Interactions in an Antibody Binding Site. Biochemistry, 2019, 58, 2987-2995.	1.2	3
34	Organic-Inorganic Nanocomposites: Organicâ^'Inorganic Nanocomposites by Placing Conjugated Polymers in Intimate Contact with Quantum Rods (Adv. Mater. 25/2011). Advanced Materials, 2011, 23, 2843-2843.	11.1	0
35	Innentitelbild: Semiconductor Anisotropic Nanocomposites Obtained by Directly Coupling Conjugated Polymers with Quantum Rods (Angew. Chem. 17/2011). Angewandte Chemie, 2011, 123, 3902-3902.	1.6	0
36	Inside Cover: Semiconductor Anisotropic Nanocomposites Obtained by Directly Coupling Conjugated Polymers with Quantum Rods (Angew. Chem. Int. Ed. 17/2011). Angewandte Chemie - International Edition, 2011, 50, 3818-3818.	7.2	0

#	Article	IF	Citations
37	In Situ Neutralization Protocols for Boc-SPPS. Methods in Molecular Biology, 2020, 2103, 29-40.	0.4	0