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	New codons for efficient production of unnatural proteins in a semisynthetic organism. Nature Chemical Biology, 2020, 16, 570-576.	3.9	67
2	In Situ Neutralization Protocols for Boc-SPPS. Methods in Molecular Biology, 2020, 2103, 29-40.	0.4	0
3	Structure and Dynamics of Stacking Interactions in an Antibody Binding Site. Biochemistry, 2019, 58, 2987-2995.	1.2	3
4	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
5	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
6	Transparent Window Vibrational Probes for the Characterization of Proteins With High Structural and Temporal Resolution. Chemical Reviews, 2017, 117, 1927-1969.	23.0	104
7	Conformational Heterogeneity and DNA Recognition by the Morphogen Bicoid. Biochemistry, 2017, 56, 2787-2793.	1.2	8
8	Evolution of thermophilic DNA polymerases for the recognition and amplification of C2Ê¹-modified DNA. Nature Chemistry, 2016, 8, 556-562.	6.6	109
9	Adaptive Mutations Alter Antibody Structure and Dynamics during Affinity Maturation. Biochemistry, 2015, 54, 2085-2093.	1.2	37
10	An Alternative Terminal Step of the General Secretory Pathway in Staphylococcus aureus. MBio, 2015, 6, .	1.8	11
11	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
12	IR Probes of Protein Microenvironments: Utility and Potential for Perturbation. ChemPhysChem, 2014, 15, 849-853.	1.0	41
13	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
14	Experimental Characterization of Electrostatic and Conformational Heterogeneity in an SH3 Domain. Journal of Physical Chemistry B, 2013, 117, 13082-13089.	1.2	14
15	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
16	Protein Dynamics and the Diversity of an Antibody Response. Journal of Biological Chemistry, 2012, 287, 27139-27147.	1.6	30
17	Photoinduced trans-to-cis Isomerization of Cyclocurcumin. Journal of Physical Chemistry B, 2011, 115, 10707-10714.	1.2	33
18	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

#	Article	IF	Citations
19	Femtosecond Fluorescence Upconversion Investigations on the Excited-State Photophysics of Curcumin. Australian Journal of Chemistry, 2011, 64, 23.	0.5	19
20	Organicâ"Inorganic Nanocomposites by Placing Conjugated Polymers in Intimate Contact with Quantum Rods. Advanced Materials, 2011, 23, 2844-2849.	11.1	85
21	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
22	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
23	Semiconductor Anisotropic Nanocomposites Obtained by Directly Coupling Conjugated Polymers with Quantum Rods. Angewandte Chemie - International Edition, 2011, 50, 3958-3962.	7.2	78
24	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
25	Excited-State Intramolecular Hydrogen Atom Transfer of Curcumin in Surfactant Micelles. Journal of Physical Chemistry B, 2010, 114, 2997-3004.	1.2	87
26	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
27	Fluorescence Spectroscopy of the Retina for Diagnosis of Transmissible Spongiform Encephalopathies. Analytical Chemistry, 2010, 82, 4097-4101.	3.2	16
28	Monitoring the Accumulation of Lipofuscin in Aging Murine Eyes by Fluorescence Spectroscopy. Photochemistry and Photobiology, 2009, 85, 234-238.	1.3	13
29	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
30	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
31	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
32	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
33	Accumulation and Interaction of Hypericin in Low-density Lipoproteinâ€" A Photophysical Study. Photochemistry and Photobiology, 2008, 84, 706-712.	1.3	30
34	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
35	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
36	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

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37	Chlorin p6as a fluorescent probe for the investigation of surfactantâ€“cyclodextrin interactions. Photochemical and Photobiological Sciences, 2006, 5, 741-747.	1.6	14