

Tapanendu Kamilya

List of Publications by Year in descending order

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papers

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567281

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623
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of the Adsorption of Human Hemoglobin to Silver (Ag) Nanoparticle Surface for the Detection of the Unfolding of Hemoglobin. <i>Plasmonics</i> , 2022, 17, 1139-1156.	3.4	3
2	Synthesis and characterization of star shaped $\text{Fe}_2\text{O}_3/\text{Au}$ nanocomposites. <i>Materials Today: Proceedings</i> , 2021, 43, 1154-1159.	1.8	5
3	Sensitivity Enhancement in the Colorimetric/Spectroscopic Determination of Lysozyme Concentration in Nanomolar Level with Colloidal Citrate Capped Au@Ag Core-shell Nanoparticles. <i>Nanoscience and Nanotechnology - Asia</i> , 2021, 11, .	0.7	0
4	Dynamics of Binding of Lysozyme with Gold Nanoparticles: Corona Formation and its Correlation with a Naked-Eye-Based Colorimetric Approach. <i>Nano</i> , 2020, 15, 2050008.	1.0	5
5	Synthesis and Characterization of Super Paramagnetic Iron Oxide Nanoparticles. <i>Nanoscience and Nanotechnology - Asia</i> , 2020, 10, 123-126.	0.7	2
6	Inter-band Transition in Citrate Capped Marks Dodecahedral Colloidal Gold Nanoparticles. <i>Current Nanoscience</i> , 2020, 16, 829-836.	1.2	0
7	Study of Time-dependent Interaction of ZnO Nanoparticles with Sucrose and Honey Molecules for Biomedical Applications. <i>Current Nanomaterials</i> , 2019, 4, 216-222.	0.4	3
8	Wet Chemically Synthesized CuO Bipods and their Optical Properties. <i>Recent Patents on Nanotechnology</i> , 2016, 10, 20-25.	1.3	8
9	Temperature Dependent and Kinetic Study of the Adsorption of Bovine Serum Albumin to ZnO Nanoparticle Surfaces. <i>ChemistrySelect</i> , 2016, 1, 2872-2882.	1.5	17
10	Photo Relaxation Change and Emission Quenching in Different Sizes of PbS Nanoparticles-Protein Corona. <i>ChemistrySelect</i> , 2016, 1, 5768-5778.	1.5	6
11	Structural and Optical Properties of Ultra-Long ZnO Nanorods. <i>Advanced Science, Engineering and Medicine</i> , 2016, 8, 128-130.	0.3	5
12	Absorption Spectroscopic Analysis of ZnO Nanoparticles. <i>Advanced Science, Engineering and Medicine</i> , 2016, 8, 240-244.	0.3	4
13	Biocompatibility study of protein capped and uncapped silver nanoparticles on human hemoglobin. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 235305.	2.8	22
14	Morphological and optical property of spherical ZnO nanoparticles. <i>Optik</i> , 2015, 126, 1740-1743.	2.9	11
15	Safety concerns towards the biomedical application of PbS nanoparticles: An approach through protein-PbS interaction and corona formation. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	17
16	A novel chemical reduction method of growing ZnO nanocrystals and their optical property. <i>Materials Letters</i> , 2014, 118, 123-125.	2.6	11
17	Unfolding of Blood Plasma Albumin Protein in Interaction with CdS Nanoparticles. <i>Science of Advanced Materials</i> , 2014, 6, 56-62.	0.7	11
18	Optical Properties of Surface Modified ZnO Nanorods. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2014, 4, 173-176.	0.3	1

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19	Wet chemical growth of ultra-long ZnO nanoplates and their optical property. <i>Chemical Physics Letters</i> , 2013, 584, 155-158.	2.6	7
20	Growth and time dependent alignment of KCl crystals in Hemoglobin LB monolayer. <i>Materials Chemistry and Physics</i> , 2012, 137, 665-672.	4.0	4
21	Incorporation of pepsin within zwitterionic, anionic, and cationic lipid monolayers: A comparative study. <i>RSC Advances</i> , 2011, 1, 333.	3.6	7
22	Interaction of glucose with hemoglobin: a study in aqueous solution and at the air-water interface using the Langmuir-Blodgett technique. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 9385.	2.8	22
23	Fibrillation of Egg White Ovalbumin: A Pathway via Biomineralization. <i>Journal of Physical Chemistry B</i> , 2011, 115, 4259-4265.	2.6	24
24	PROTEIN MONOLAYER FORMATION AT AIR-ELECTROLYTE INTERFACE: A LANGMUIR-BLODGETT STUDY. <i>Surface Review and Letters</i> , 2011, 18, 267-279.	1.1	5
25	Adsorption of pepsin in octadecylamine matrix at air-water interface. <i>Biophysical Chemistry</i> , 2010, 146, 85-91.	2.8	10
26	On the origin of iron-oxide nanoparticle formation using phospholipid membrane template. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 384-389.	5.0	25
27	pH Induced Structural Modulation and Interfacial Activity of Hemoglobin at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2010, 114, 495-502.	2.6	31
28	Hemoglobin-Silver Interaction and Bioconjugate Formation: A Spectroscopic Study. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7062-7070.	2.6	121
29	Formation of Calcium Carbonate Crystal Using Phospholipid Monolayer Template Under Ambient Condition. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8348-8352.	3.1	16
30	Influence of KCl on the interfacial activity and conformation of hemoglobin studied by Langmuir-Blodgett technique. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12997.	2.8	14
31	Immobilization and the conformational study of phospholipid and phospholipid-protein vesicles. <i>Materials Science and Engineering C</i> , 2009, 29, 1480-1485.	7.3	26
32	Effect of Salt on the Formation of Alcohol-Dehydrogenase Monolayer: A Study by the Langmuir-Blodgett Technique. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5128-5135.	2.6	30
33	The formation of pepsin monomolecular layer by the Langmuir-Blodgett film deposition technique. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 73, 122-131.	5.0	31
34	Fabrication of Ovalbumin-Phospholipid Thin Film with Minimal Protein Aggregation by Different Self-Assembly Methods. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 2956-2964.	0.9	14
35	Interaction of Ovalbumin with Phospholipids Langmuir-Blodgett Film. <i>Journal of Physical Chemistry B</i> , 2007, 111, 1199-1205.	2.6	75
36	Interaction and incorporation of ovalbumin with stearic acid monolayer: Langmuir-Blodgett film formation and deposition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 58, 137-144.	5.0	40

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37	Incorporation of ovalbumin within cationic octadecylamine monolayer and a comparative study with zwitterionic DPPC and anionic stearic acid monolayer. <i>Journal of Colloid and Interface Science</i> , 2007, 315, 464-474.	9.4	25
38	Photophysical properties of 4-methyl 3-phenyl coumarin organized in Langmuir-Blodgett films: Formation of aggregates. <i>Materials Chemistry and Physics</i> , 2007, 104, 88-92.	4.0	8