# Tapanendu Kamilya

List of Publications by Year
in descending order

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| 38 | 666 | 567281 | 580821 |
|---|---|---|---|
| papers | citations | 15 h-index | 25 g-index |

| 38 | 38 | 38 | 623 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Hemoglobinâ^'Silver Interaction and Bioconjugate Formation: A Spectroscopic Study. Journal of Physical Chemistry B, 2010, 114, 7062-7070. | 2.6 | 121 |
| 2 | Interaction of Ovalbumin with Phospholipids Langmuirâ^'Blodgett Film. Journal of Physical Chemistry B, 2007, 111, 1199-1205. | 2.6 | 75 |
| 3 | Interaction and incorporation of ovalbumin with stearic acid monolayer: Langmuirâ€"Blodgett film formation and deposition. Colloids and Surfaces B: Biointerfaces, 2007, 58, 137-144. | 5.0 | 40 |
| 4 | The formation of pepsin monomolecular layer by the Langmuirâ€"Blodgett film deposition technique. Colloids and Surfaces B: Biointerfaces, 2009, 73, 122-131. | 5.0 | 31 |
| 5 | pH Induced Structural Modulation and Interfacial Activity of Hemoglobin at the Air/Water Interface. Journal of Physical Chemistry B, 2010, 114, 495-502. | 2.6 | 31 |
| 6 | Effect of Salt on the Formation of Alcohol-Dehydrogenease Monolayer: A Study by the Langmuirâ^'Blodgett Technique. Journal of Physical Chemistry B, 2009, 113, 5128-5135. | 2.6 | 30 |
| 7 | Immobilization and the conformational study of phospholipid and phospholipid-protein vesicles. Materials Science and Engineering C, 2009, 29, 1480-1485. | 7.3 | 26 |
| 8 | Incorporation of ovalbumin within cationic octadecylamine monolayer and a comparative study with zwitterionic DPPC and anionic stearic acid monolayer. Journal of Colloid and Interface Science, 2007, 315, 464-474. | 9.4 | 25 |
| 9 | On the origin of iron-oxide nanoparticle formation using phospholipid membrane template. Colloids and Surfaces B: Biointerfaces, 2010, 79, 384-389. | 5.0 | 25 |
| 10 | Fibrillation of Egg White Ovalbumin: A Pathway via Biomineralization. Journal of Physical Chemistry B, 2011, 115, 4259-4265. | 2.6 | 24 |
| 11 | Interaction of glucose with hemoglobin: a study in aqueous solution and at the airâ€"water interface using the Langmuirâ€"Blodgett technique. Physical Chemistry Chemical Physics, 2011, 13, 9385. | 2.8 | 22 |
| 12 | Biocompatibility study of protein capped and uncapped silver nanoparticles on human hemoglobin. Journal Physics D: Applied Physics, 2015, 48, 235305. | 2.8 | 22 |
| 13 | Safety concerns towards the biomedical application of PbS nanoparticles: An approach through protein-PbS interaction and corona formation. Applied Physics Letters, 2014, 104, . | 3.3 | 17 |
| 14 | Temperature Dependent and Kinetic Study of the Adsorption of Bovine Serum Albumin to ZnO Nanoparticle Surfaces. ChemistrySelect, 2016, 1, 2872-2882. | 1.5 | 17 |
| 15 | Formation of Calcium Carbonate Crystal Using Phospholipid Monolayer Template Under Ambient Condition. Journal of Physical Chemistry C, 2010, 114, 8348-8352. | 3.1 | 16 |
| 16 | Fabrication of Ovalbuminâ€"Phospolipid Thin Film with Minimal Protein Aggregation by Different Self-Assembly Methods. Journal of Nanoscience and Nanotechnology, 2009, 9, 2956-2964. | 0.9 | 14 |
| 17 | Influence of KCl on the interfacial activity and conformation of hemoglobin studied by Langmuirâ€"Blodgett technique. Physical Chemistry Chemical Physics, 2010, 12, 12997. | 2.8 | 14 |
| 18 | A novel chemical reduction method of growing ZnO nanocrystals and their optical property. Materials Letters, 2014, 118, 123-125. | 2.6 | 11 |

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|---|---|---|---|
| 19 | Morphological and optical property of spherical ZnO nanoparticles. Optik, 2015, 126, 1740-1743. | 2.9 | 11 |
| 20 | Unfolding of Blood Plasma Albumin Protein in Interaction with CdS Nanoparticles. Science of Advanced Materials, 2014, 6, 56-62. | 0.7 | 11 |
| 21 | Adsorption of pepsin in octadecylamine matrix at airâ€“water interface. Biophysical Chemistry, 2010, 146, 85-91. | 2.8 | 10 |
| 22 | Photophysical properties of 4-methyl 3-phenyl coumarin organized in Langmuirâ€“Blodgett films: Formation of aggregates. Materials Chemistry and Physics, 2007, 104, 88-92. | 4.0 | 8 |
| 23 | Wet Chemically Synthesized CuO Bipods and their Optical Properties. Recent Patents on Nanotechnology, 2016, 10, 20-25. | 1.3 | 8 |
| 24 | Incorporation of pepsin within zwitterionic, anionic, and cationic lipid monolayers: A comparative study. RSC Advances, 2011, 1, 333. | 3.6 | 7 |
| 25 | Wet chemical growth of ultra-long ZnO nanoplates and their optical property. Chemical Physics Letters, 2013, 584, 155-158. | 2.6 | 7 |
| 26 | Photo Relaxation Change and Emission Quenching in Different Sizes of PbSâ€Nanoparticlesâ€Protein Corona. ChemistrySelect, 2016, 1, 5768-5778. | 1.5 | 6 |
| 27 | PROTEIN MONOLAYER FORMATION AT AIRâ€“ELECTROLYTE INTERFACE: A LANGMUIRâ€“BLODGETT STUDY. Surface Review and Letters, 2011, 18, 267-279. | 1.1 | 5 |
| 28 | Dynamics of Binding of Lysozyme with Gold Nanoparticles: Corona Formation and its Correlation with a Naked-Eye-Based Colorimetric Approach. Nano, 2020, 15, 2050008. | 1.0 | 5 |
| 29 | Synthesis and characterization of star shaped Î±-Fe2O3/Au nanocomposites. Materials Today: Proceedings, 2021, 43, 1154-1159. | 1.8 | 5 |
| 30 | Structural and Optical Properties of Ultra-Long ZnO Nanorods. Advanced Science, Engineering and Medicine, 2016, 8, 128-130. | 0.3 | 5 |
| 31 | Growth and time dependent alignment of KCl crystals in Hemoglobin LB monolayer. Materials Chemistry and Physics, 2012, 137, 665-672. | 4.0 | 4 |
| 32 | Absorption Spectroscopic Analysis of ZnO Nanoparticles. Advanced Science, Engineering and Medicine, 2016, 8, 240-244. | 0.3 | 4 |
| 33 | Study of Time-dependent Interaction of ZnO Nanoparticles with Sucrose and Honey Molecules for Biomedical Applications. Current Nanomaterials, 2019, 4, 216-222. | 0.4 | 3 |
| 34 | Study of the Adsorption of Human Hemoglobin to Silver (Ag) Nanoparticle Surface for the Detection of the Unfolding of Hemoglobin. Plasmonics, 2022, 17, 1139-1156. | 3.4 | 3 |
| 35 | Synthesis and Characterization of Super Paramagnetic Iron Oxide Nanoparticles. Nanoscience and Nanotechnology - Asia, 2020, 10, 123-126. | 0.7 | 2 |
| 36 | Optical Properties of Surface Modified ZnO Nanorods. Journal of Nanoengineering and Nanomanufacturing, 2014, 4, 173-176. | 0.3 | 1 |

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|---|---|---|---|
| 37 | Sensitivity Enhancement in the Colorimetric/Spectroscopic Determination of Lysozyme Concentration in Nanomolar Level with Colloidal Citrat e Capped Au@Ag Core-shell Nanoparticles. Nanoscience and Nanotechnology - Asia, 2021, 11, . | 0.7 | 0 |
| 38 | Inter-band Transition in Citrate Capped Marks Dodecahedral Colloidal Gold Nanoparticles. Current Nanoscience, 2020, 16, 829-836. | 1.2 | 0 |