

Adsorption Of A Cationic Laser Dye Onto Polymer Surfactant

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Adsorption Of A Cationic Laser

successful incorporation of cationic laser dye rhodamine 6G abbreviated as R6G into the pre-assembled polyelectrolyte/surfactant complex ?Im onto quartz substrate by electrostatic adsorption technique. Poly(allylamine hydrochloride) (PAH) was used as polycation and sodium dodecyl sulphate (SDS) was used as anionic surfactant. UV-Vis absorption spec-

ARTICLE Adsorption of Cationic Laser Dye onto Polymer ...

Adsorption of Cationic Laser Dye onto Polymer/Surfactant Complex Film. Pabitra Kumar Paul 1, Syed Arshad Hussain 2, Debajyoti Bhattacharjee 2 and Mrinal Pal 3. Chinese Journal of Chemical Physics, Volume 24, Number 3

Adsorption of Cationic Laser Dye onto Polymer/Surfactant ...

Adsorption of a Cationic Laser Dye onto Polymer/Surfactant Complex Film Fabricated by Layer-by-Layer Electrostatic Self-Assembly Technique

Adsorption of a Cationic Laser Dye onto Polymer/Surfactant ...

adsorption of a cationic laser dye onto polymer surfactant. However, the tape in soft file will be afterward simple to door every time. You can put up with it into the gadget or computer unit. So, you can quality in view of that easy to Page 1/2

Adsorption Of A Cationic Laser Dye Onto Polymer Surfactant

Adsorption mechanism and disposal of the spent adsorbents were also discussed. The results showed that the adsorption capacity of the cationic red and cationic blue onto the ceramic adsorbents was 1.044 mg g⁻¹ and 2.170 mg g⁻¹ respectively, according to the Langmuir model. The adsorption equilibrium time was quickly reached with the removal of both dyes over 90% within 1 min.

Adsorption removal of cationic dyes from aqueous solutions ...

Cationic liposome-DNA complexes were injected into the buffer subphase, and their adsorption/desorption behaviors at the biomembrane models were monitored through changes in the interfacial tension. We found that the adsorption rate of the complexes increased 2.6 times more in the outside model than in the inside one.

Adsorption and desorption behaviors of cationic liposome ...

To investigate the adsorption behavior of contaminants with different adsorbents and co-adsorbates under identical conditions, the adsorption capacities of anionic orange II (OII) dye onto graphene oxide (GO) and photoreduced GO (PRGO) in a single-component system and in the presence of cationic methylene blue (MB) dye as well as heavy metal ion Pb²⁺ were explored.

Co-adsorption of an anionic dye in the presence of a ...

Abstract Poly(4-vinylpyridine) nanotubes (PANI NTs) base has been utilized as an adsorbent for the removal of cationic dyes such as methylene blue (MB) from aqueous solution. This observation was evidenced from the measurements of quartz crystal microbalance (QCM) and UV-visible spectroscopy.

Adsorption of Cationic Dye (Methylene Blue) from Water ...

Investigation of adsorption behavior and energy transfer of cationic porphyrins on clay surface at low loading levels by picosecond time-resolved fluorescence measurement. *Research on Chemical Intermediates* 2013, 39 (1), 269-278. DOI: 10.1007/s11164-012-0647-1.

High-Density Adsorption of Cationic Porphyrins on Clay ...

The adsorption capacity (q_e) and the adsorption efficiency were calculated according to the following mathematical expressions: (3) $q_e = (C_0 - C_e) \times V / M$ (4) Removal (%) = $(C_0 - C_e) / C_0 \times 100$ where C_0 and C_e are the initial and equilibrium concentration (mg L⁻¹) of MB/MO dyes, V is the volume (L) of the MB/MO taken for the study and M is the mass of LIG (g) used for the experiment.

Polyimide derived laser-induced graphene as adsorbent for ...

Adsorption of a Cationic Laser Dye onto Polymer/Surfactant Complex Film Fabricated by Layer-by-Layer Electrostatic Self-Assembly Technique P. K. Paula*, S. A. Hussainb, D. Bhattacharjeeb and M ...

Adsorption of a Cationic Laser Dye onto Polymer/Surfactant ...

In this study, the magnetic MOF-based composite is multifunctional, which owns both SERS activity and catalytic ability. During the degradation system, cationic dyes were firstly adsorbed on the surface of the MOF shell. Then, the cationic dyes will pass through the internal pore channel and reach the nearby of the gold nanoparticles.

Ultra-sensitive SERS detection, rapid selective adsorption ...

Adsorption of Cationic Laser Dye onto Polymer/Surfactant Complex Film *Chinese Journal of Chemical Physics* Volume 24 Number 3, Issue 3 (June 2011) Pabitra Kumar Paul, Syed Arshad Hussain, Debajyoti Bhattacharjee and Mrinal Pal ARTICLE Fabrication of complex molecular films of organic materials is one of the most important issues in modern nanoscience and nanotechnology.

Adsorption of Cationic Laser Dye onto Polymer/Surfactant ...

Adsorption of Cationic Laser Dye onto Polymer/Surfactant Complex Film *Article in Chinese journal of chemical physics* 24(3):348 · June 2011 with 43 Reads How we measure 'reads'

Adsorption of Cationic Laser Dye onto Polymer/Surfactant ...

To investigate the adsorption behavior of contaminants with different adsorbents and co-adsorbates under identical conditions, the adsorption capacities of anionic orange II (OII) dye onto graphene...

Co-adsorption of an anionic dye in the presence of a ...

Adsorption studies of sulphate ions onto Ba-FZ were carried out in glass flasks containing 1 g of the adsorbent material and 0.1 L of synthetic solution with different concentrations of the solute. The studies of adsorption isopropylxanthate ions were performed using 0.1 L of aqueous solution of isopropylxanthate ions (60 mg.L⁻¹) and different

Adsorption of Ions onto Treated Natural Zeolite

The values of the adsorption capacity of kaolin towards the cationic dyes ranged from 16. mg/g to 52. mg/g, being probably dependent on the geometry of the dye molecules. The resulting degrees of dye removal were 65-99% for initial dye concentration of 10. mg/L and for kaolin loadings of 0.8-2.5. g/L.