

مقرر: كيمياء السطوح والغرويات

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1. Different methods which are frequently used for preparation and purification of colloidal solutions.
2. Properties of colloidal solutions.
3. Coagulation and Protection of sols.
4. Electrical properties of sols and the origin of the charge.
5. Emulsions.
6. Adsorption and its types (chemisorption and physisorption).
7. Estimation of heat of adsorption and specific surface area from Langmuir equation.
8. Types of adsorption isotherms.
9. Adsorption from gas mixtures.
10. Porosity assessments of solids .