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Nota di contenuto	chapter 1. Surface chemistry and geochemistry of hydraulic fracturing -- chapter 2. Capillary forces in fluid flow in porous solids (shale formations) -- chapter 3. Surface active and fracture-forming substances (soaps and detergents, et cetera) -- chapter 4. Surface chemistry of solid surfaces : adsorption-desorption characteristics -- chapter 5. Solid surface characteristics: wetting, adsorption, and related processes -- chapter 6. Colloidal systems : wastewater treatment: hydraulic fracking technology -- chapter 7. Foams and bubbles : formation, stability and application -- chapter 8. Emulsions and microemulsions : oil and water mixtures.