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## Reservoir Characteristics"

"6.2. Geomechanical Properties""6.3. Induced Stress Change Analysis"; "7. CONCLUSION"; "8. NOMENCLATURE"; "REFERENCES"; "POROUS HYDROGELS"; "ABSTRACT"; "ABBREVIATIONS"; "1. INTRODUCTION"; "2. CLASSIFICATION OF THE POROUS HYDROGELS BY PORE SIZE"; "3. PREPARATIVE METHODS FOR POROUS HYDROGELS"; "3.1. Crosslinking Polymerization in the Presence of Substances that Are Solvents for Monomers, but Precipitants for Formed Polymer"; "3.2. Crosslinking Polymerization in Presence of Soluble Substances (Particles of Sugars, Salts) which Are Washed out from the Hydrogel after Polymerization"; "3.3. Crosslinking Polymerization in the Presence of Substances Releasing Gases which Remain in the Resulting Hydrogel"; "3.4. Freeze-Sublimation of the Hydrogel Swollen in Water (Lyophilization of Swollen Hydrogel)"; "4. CHARACTERIZATION OF POROUS HYDROGELS"; "4.1. Mercury Porosimetry"; "4.2. BET Surface Area Measurements"; "4.3. Scanning Electron Microscopy (SEM)"; "4.4. Confocal Microscopy"; "4.5. Diffusion Properties"; "4.6. Mechanical Properties"; "5. MODIFICATION OF POROUS HYDROGELS"; "6. AUTHOR'S EXPERIENCE WITH POROUS HYDROGELS PREPARED IN THE PRESENCE OF POROGEN PARTICLES"; "6.1. Porous Hydrogels (According to 3.2.) for Tissue Engine"; "6.2. Characterization of the Porous Hydrogels Prepared According to 3.2"; "6.3. Characterization of through-Flow Properties of the Hydrogels with Communicating Pores"; "7. PERSPECTIVE"; "ACKNOWLEDGMENTS"; "8. REFERENCES"; "MONTE CARLO SIMULATIONS FOR THE STUDY OF DIFFUSION-LIMITED DRUG RELEASE FROM POROUS MATRICES"; "ABSTRACT"; "INTRODUCTION"; "SOME DRUG RELEASE KINETIC EQUATIONS"

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