

ORAL PRESENTATIONS

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21	Amino-functionalized graphene oxide anchored in charcoal matrix as adsorbent of textile wastewater: characterization and adsorption properties
22	Removal of the Drimaren Red from aqueous solutions by adsorption onto amino-Fe ₃ O ₄ -functionalized multilayer Graphene Oxide
23	Adsorption kinetics of asphaltenes in oil-water interfaces: effects of time, concentration, and heptol ratios
26	Iron oxide nanoparticles: design of the reactor for synthesis and characterization
42	Evaluation of Zn-Al Layer Double Hydroxide for Ochratoxin A Retention
47	Organosolv lignin/Fe ₃ O ₄ nanoparticles applied as textile dye adsorbent
56	Adsorption-induced deformation of porous solids. New approach for estimation of compressibility factor of microporous carbon adsorbents
66	Antibiotic removal from water using MgFe/layered double hydroxide as adsorbent
68	Concentration of anthocyanins from Pinot Noir grape skins in alginate beads through the adsorption operation
70	Silica gels with covalently immobilized graphene oxide and anthryl as adsorbents for solid-phase extraction of polycyclic aromatic hydrocarbons
72	CO ₂ capture in carbon microfibers doped with nitrogen
74	CO ₂ adsorption on LTA zeolite with different particle dimensions
75	Thermodynamics of adsorption systems based on nanoporous carbons for methane storage and transportation
80	Lipases Immobilization via Adsorption on Laboratory-Scale Synthesized Graphene Oxide Using Modified Hummers Method and Magnetic Nanoparticles
92	Regeneration of granular activated carbon using thermal technique
102	Separation of ethylene from ethane with Metal-organic Frameworks

108	Optimization of an Aromatics Complex Including a Simulated Moving Bed for p-Xylene Production
119	Enzyme immobilization by adsorption: CALB lipase onto magnetic nanoparticles, a heterogeneous biocatalyst.
124	Critical review of batch adsorption kinetic models: simplifications derived from the infinite bath model
127	D-optimal experimental designs for adsorption isotherms
130	Adsorption capacity evaluation of Beta zeolite as adsorbent for isoniazid.
135	Rabbit polyclonal IgG purification using dye ligand affinity chromatography
148	Evaluation of Elution conditions for purification of rabbit polyclonal antibodies using Protein A column
156	Modeling adsorption microcalorimetry to estimate intraparticle diffusion rate constants: Parameter sensitivity analysis.
166	A comparison of Numerical Methods for the Dynamic Simulation of Temperature Swing Adsorption
169	Study of the effect of the HLD cations precursors un the removal of arsenic in aqueous solution s
175	Mesoporous metal-organic structure MIL-100 (Fe) as drug carrier
176	Removal of fluoride ions from aqueous solution using dwarf Cavendish banana peel
179	Evaluation of salvinia auriculata as biosorbent in natura and dry in lead removal in water solutions
182	Optimization of Temperature Swing Adsorption Unit for Gas Dehydration
191	High-Pressure Bulk CO ₂ Gas Adsorption on a Fixed Bed of Zeolite NaY: upward and downward flow comparison
207	Studies of interaction potentials effects in the DFT approach for confined fluids
209	Evaluation of lipase A from Candida antarctica immobilization onto agroindustrial residue by Taguchi method
223	Application of In-situ X-ray Characterization Techniques in Zeolites: A Review

225	Technological Bottlenecks in purification of monoclonal antibodies: prospective study and proposals for improved process design
231	Effect of temperature on oxidative degradation of bleached Hybrid (<i>E. guineensis</i> x <i>E. oleifera</i>) and African palm oil (<i>Elaeis guineensis</i>)
240	Method for estimation the protein binding affinity using a robust Poisson-Boltzmann model for the adsorption of Lysozyme in SBA-15
244	Simulation of high-pressure sour natural gas adsorption on 13X zeolite
246	Separation of Methane and Carbon Dioxide mixtures by Adsorption on Calcite Nanopores via Molecular Dynamics
247	Adsorption of a synthetic red food-colorant by circulating percolation of the solution through a packed-bed of wheat bran
254	Perspectives on the synthesis, characterization, and application of hydroxyapatite-based sorbents for gaseous mercury removal
264	Trimodal hierarchical zeolite LTA for adsorption: a preliminary characterization study
267	Breakthrough Curves of Propane at Different Relative Humidities
268	Characterization of sorption kinetics of CO ₂ from N ₂ -rich gas mixtures studied by breakthrough experiments on Zeolites
269	Adsorption of paracetamol from aqueous solutions on activated carbons
273	Insights on the use of different gases at 77 K to assess the specific surface area of silica nanoporous materials
275	Characterization of mesoporous region by the scanning of the hysteresis loop in adsorption-desorption isotherms
277	Metals ions adsorption using synthesized 4A zeolite: effect of coal fly ash as silica and aluminum source
279	Importance of Molecular Simulation for Interpreting Gas Adsorption by Porous Materials: The Case of the Ethane/Ethylene Mixture
280	H ₂ O sorption on nanoporous carbons
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286	Carbon dioxide and water vapor adsorption on commercial and synthesized zeolites

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300	Novel Application For Palygorskite Clay Mineral: A Kinetic And Thermodynamic Assessment Of Diesel Fuel Desulfurization
302	Synthesis of zeolites from hydrothermal solution reuse for CO ₂ capture
345	Isotherm, kinetic and thermodynamic studies of Rhodamine B adsorption on coconut fiber-based adsorbents
353	Importance of the Polarity on Nanostructured Silica Materials to Optimize the Hydrolytic Condensation of Molecules Related to CO ₂ Adsorption
354	Competitive adsorption of pharmaceutical compounds onto nanoporous carbon fibres: effect of pH and ionic strength

