

Subject Index of Volume 124

- Absorption**
Influences of H₂ and O₂ and in situ Ca(OH)₂ absorption on nonthermal plasma decomposition of trichloroethylene in N₂, 81
- Activated carbon**
Adsorption of Methylene Blue onto activated carbon produced from steam activated bituminous coal: A study of equilibrium adsorption isotherm, 103
- Activation parameters**
Adsorption kinetics of maxilon blue GRL onto sepiolite from aqueous solutions, 89
- Adsorption**
Adsorption kinetics of maxilon blue GRL onto sepiolite from aqueous solutions, 89
Adsorption of Methylene Blue onto activated carbon produced from steam activated bituminous coal: A study of equilibrium adsorption isotherm, 103
- Adsorption isotherms**
Zinc biosorption on *Tectona grandis* L.f. leaves biomass: Equilibrium and kinetic studies, 63
Adsorption kinetics of maxilon blue GRL onto sepiolite from aqueous solutions, 89
- Adsorption kinetics**
Adsorption kinetics of maxilon blue GRL onto sepiolite from aqueous solutions, 89
- Agitation**
Shear rate in stirred tank and bubble column bioreactors, 1
- Aliquat 336**
Recycling of Cr(VI) by membrane solvent extraction: Long term performance with the mathematical model, 71
- Arrhenius integral**
A new formula approximating the Arrhenius integral to perform the non-isothermal kinetics, 15
- Biomass**
Finding appropriate operating conditions for hydrogen purification and recovery in supercritical water gasification of biomass, 7
- Bioreactors**
Shear rate in stirred tank and bubble column bioreactors, 1
- Biosorption**
Zinc biosorption on *Tectona grandis* L.f. leaves biomass: Equilibrium and kinetic studies, 63
- Bituminous coal**
Adsorption of Methylene Blue onto activated carbon produced from steam activated bituminous coal: A study of equilibrium adsorption isotherm, 103
- Bubble columns**
Shear rate in stirred tank and bubble column bioreactors, 1
- Ceria**
A comparative study of ceria-supported gold and copper oxide catalysts for preferential CO oxidation reaction, 41
- Chromium(VI)**
Recycling of Cr(VI) by membrane solvent extraction: Long term performance with the mathematical model, 71
- Concentration**
Recycling of Cr(VI) by membrane solvent extraction: Long term performance with the mathematical model, 71
- Copper oxide**
A comparative study of ceria-supported gold and copper oxide catalysts for preferential CO oxidation reaction, 41
- Corona**
Influences of H₂ and O₂ and in situ Ca(OH)₂ absorption on nonthermal plasma decomposition of trichloroethylene in N₂, 81
- Decomposition**
Influences of H₂ and O₂ and in situ Ca(OH)₂ absorption on nonthermal plasma decomposition of trichloroethylene in N₂, 81
- Deposition–precipitation method**
A comparative study of ceria-supported gold and copper oxide catalysts for preferential CO oxidation reaction, 41
- Diffusion**
Adsorption kinetics of maxilon blue GRL onto sepiolite from aqueous solutions, 89
- Dye**
Adsorption kinetics of maxilon blue GRL onto sepiolite from aqueous solutions, 89
- Equilibrium isotherm**
Adsorption of Methylene Blue onto activated carbon produced from steam activated bituminous coal: A study of equilibrium adsorption isotherm, 103
- Gas–liquid reaction modelling**
Methodology of multiphase reaction kinetics and hydrodynamics identification: Application to catalyzed nitrobenzene hydrogenation, 19
- Gas–solid flow**
Maximum spoutable bed height of spout-fluid bed, 55
- Gold catalysts**
A comparative study of ceria-supported gold and copper oxide catalysts for preferential CO oxidation reaction, 41
- Ground water**
Recycling of Cr(VI) by membrane solvent extraction: Long term performance with the mathematical model, 71
- Hydrodynamic**
Methodology of multiphase reaction kinetics and hydrodynamics identification: Application to catalyzed nitrobenzene hydrogenation, 19
- Hydrogen**
A comparative study of ceria-supported gold and copper oxide catalysts for preferential CO oxidation reaction, 41
- Hydrogen purification**
Finding appropriate operating conditions for hydrogen purification and recovery in supercritical water gasification of biomass, 7
Design of an integrated membrane system for a high level hydrogen purification, 29
- Hypoidite**
Electrochemical oxidation of iodide in aqueous solution, 47

- Hypoiodous acid
Electrochemical oxidation of iodide in aqueous solution, 47
- I_2OH^-
Electrochemical oxidation of iodide in aqueous solution, 47
- Indirect electroorganic synthesis
Electrochemical oxidation of iodide in aqueous solution, 47
- Integrated membrane systems
Design of an integrated membrane system for a high level hydrogen purification, 29
- Iodide
Electrochemical oxidation of iodide in aqueous solution, 47
- Iodine
Electrochemical oxidation of iodide in aqueous solution, 47
- Jetting fluidized bed
Maximum spoutable bed height of spout-fluid bed, 55
- Kinetic parameters
A new formula approximating the Arrhenius integral to perform the non-isothermal kinetics, 15
- Kinetic studies
Zinc biosorption on *Tectona grandis* L.f. leaves biomass: Equilibrium and kinetic studies, 63
- Kinetics
Methodology of multiphase reaction kinetics and hydrodynamics identification: Application to catalyzed nitrobenzene hydrogenation, 19
- Long term
Recycling of Cr(VI) by membrane solvent extraction: Long term performance with the mathematical model, 71
- Mathematical model
Recycling of Cr(VI) by membrane solvent extraction: Long term performance with the mathematical model, 71
- Maximum spoutable bed height
Maximum spoutable bed height of spout-fluid bed, 55
- Membrane
Recycling of Cr(VI) by membrane solvent extraction: Long term performance with the mathematical model, 71
- Membrane reactor
Design of an integrated membrane system for a high level hydrogen purification, 29
- Membrane separator
Design of an integrated membrane system for a high level hydrogen purification, 29
- Methylene Blue
Adsorption of Methylene Blue onto activated carbon produced from steam activated bituminous coal: A study of equilibrium adsorption isotherm, 103
- Mixing
Shear rate in stirred tank and bubble column bioreactors, 1
- Modeling
Finding appropriate operating conditions for hydrogen purification and recovery in supercritical water gasification of biomass, 7
- Multiphase reaction
Methodology of multiphase reaction kinetics and hydrodynamics identification: Application to catalyzed nitrobenzene hydrogenation, 19
- Nonisothermal kinetics
A new formula approximating the Arrhenius integral to perform the non-isothermal kinetics, 15
- Nonthermal plasma
Influences of H_2 and O_2 and in situ $Ca(OH)_2$ absorption on nonthermal plasma decomposition of trichloroethylene in N_2 , 81
- Pattern Search Method
A new formula approximating the Arrhenius integral to perform the non-isothermal kinetics, 15
- Preferential CO oxidation
A comparative study of ceria-supported gold and copper oxide catalysts for preferential CO oxidation reaction, 41
- PROX
A comparative study of ceria-supported gold and copper oxide catalysts for preferential CO oxidation reaction, 41
- Separation
Recycling of Cr(VI) by membrane solvent extraction: Long term performance with the mathematical model, 71
- Sepiolite
Adsorption kinetics of maxilon blue GRL onto sepiolite from aqueous solutions, 89
- Shear rate
Shear rate in stirred tank and bubble column bioreactors, 1
- Spouted bed
Maximum spoutable bed height of spout-fluid bed, 55
- Spout-fluid bed
Maximum spoutable bed height of spout-fluid bed, 55
- Steam activation
Adsorption of Methylene Blue onto activated carbon produced from steam activated bituminous coal: A study of equilibrium adsorption isotherm, 103
- Stirred tanks
Shear rate in stirred tank and bubble column bioreactors, 1
- Supercritical water gasification
Finding appropriate operating conditions for hydrogen purification and recovery in supercritical water gasification of biomass, 7
- Tectona grandis* L.f.
Zinc biosorption on *Tectona grandis* L.f. leaves biomass: Equilibrium and kinetic studies, 63
- Thermodynamic parameters
Zinc biosorption on *Tectona grandis* L.f. leaves biomass: Equilibrium and kinetic studies, 63
- Trichloroethylene
Influences of H_2 and O_2 and in situ $Ca(OH)_2$ absorption on nonthermal plasma decomposition of trichloroethylene in N_2 , 81
- VOCs
Influences of H_2 and O_2 and in situ $Ca(OH)_2$ absorption on nonthermal plasma decomposition of trichloroethylene in N_2 , 81