

List of contributions:

A. Photoinduced processes and their application

O. Diwald, T. Berger, A. Riss, J. Bernardi and E. Knözinger: LIGHT-INDUCED CHARGE SEPARATION IN TiO_2 NANOCRYSTALS

M. Drobek, P. Kluson and J. Rakusan: SYNTHETIC METALO PORPHYRINES IN PHOTOCATALYTIC REACTIONS

G. Grabner and J. Jirkovsky: SURFACE COMPLEXATION AND CHARGE TRANSFER PROCESSES IN COLLOIDAL SEMICONDUCTORS STUDIED BY LASER FLASH PHOTOLYSIS

J. Krysa, G. Waldner, J. Jirkovsky and G. Grabner: REACTION ORDER OF PHOTOCATALYTIC DEGRADATION OF VARIOUS ORGANIC COMPOUNDS

J. Krysa and J. Jirkovsky: APPLICATION OF PHOTOCATALYSIS ON TiO_2 FOR PESTICIDE REMOVAL

J. Rathousky: PHOTOINDUCED SURFACE HYDROPHILITY – SELF CLEANING APPLICATIONS

B. Immobilized thin catalyst films and their application

A. Brüger, D. Hrazdira, G. Waldner, J. Krysa, J. Jirkovsky, H. Vinek, R. Schlögl and G. Rupprechter: TiO_2 AND WO_3 THIN FILMS: CHARACTERIZATION, ADSORPTION AND PHOTOCATALYTIC DEGRADATION OF OXALIC ACID AND METHYLENE BLUE

P. Kluson: THIN FUNCTIONAL FILMS OF PHOTOACTIVE METAL OXIDE NANOPARTICLES

S. Kment, P. Kluson, O. Churpita, H. Bartkova and Z. Hubicka: PHYSICAL VERSUS CHEMICAL METHODS FOR PREPARATION OF FUNCTIONAL TITANIUM (IV) OXIDE NANOPARTICULATE THIN FILMS

P. Novotna, J. Zita and J. Krysa: MULTICOMPONENT INORGANIC-ORGANIC FILMS

G. Rupprechter and C. Weilach: SURFACE SCIENCE STUDIES OF OXIDE SUPPORTED NANOPARTICLES

J. Zita, P. Novotna, J. Maixner and J. Krysa: PHOTOCATALYTIC PROPERTIES OF $\text{TiO}_2/\text{SiO}_2$ MULTILAYERS. CALCINATION TEMPERATURE AND BARRIER EFFECT

C. Application of electrocatalysis in environment

H. Bartkova, L. Bartek, P. Kluson and J. Krysa: PHOTOELECTROCHEMICAL AND PHOTOCATALYTIC PROPERTIES OF TITANIUM(IV) OXIDE NANOPARTICULATE LAYERS

K. Bouzek: ELECTROCHEMICAL AND ELECTROCATALYTICAL PROCESSES IN THE ENVIRONMENTAL PROTECTION

R. Kodym, H. Bergmann and K. Bouzek: OPTIMIZATION OF THE CELL FOR DIRECT DRINKING WATER DISINFECTION WITH RESPECT TO CHLORINE EVOLUTION EFFICIENCY

Z. Macova and K. Bouzek: ELECTROCHEMICAL SYNTHESIS OF THE FERRATE(VI) AS A GREEN CHEMICAL

M. Paidar and K. Bouzek: ELECTROCATALYTIC DENITRIFICATION OF DRINKING WATER

G. Waldner, A. Brüger and J. Krysa: APPLICATION OF EXTERNAL POTENTIAL IN ENHANCEMENT OF PHOTOCATALYSIS

J. Krysa, M. Zlamal and G. Waldner: PHOTOELECTROCHEMICAL PROPERTIES OF TiO_2 LAYERS