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DEPARTMENT I

PHYSICAL CHEMISTRY OF SOLIDS

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PAPERS PUBLISHED IN SCIENTIFIC JOURNALS AND PROCEEDINGS OF SCIENTIFIC CONFERENCES

- 1. Baranowski B., Dębowska L.**
Relations between superconducting transition temperatures and corresponding hydrogen activities of palladium hydride samples. Pol. J. Chem., **80**, 843-846 (2006).
- 2. Burtovyy R., Liu Y., Zdyrko B., Tregub A., Moinpour M., Buehler M., Luzinov I.**
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Materials, Technology and Reliability of Low-k Dielectrics and Copper Interconnects, ed. Tsui T. Y., Joo Y. C, Volinsky A. A., Lane M., Michaelson L., **914**, 0914-F12-05 (2006).
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J. Phys.: Condens. Matter, **18**, 6409-6420 (2006).

- 4. Sugiura H., Filipek S. M., Paul-Boncour V., Marchuk I., Liu R. S., Pyun S. I.**
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- 2. Baranowski B., Dębowska L.**
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- 6. Dudek D.**
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7. **Palasyuk T., Tkacz M.**
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Part II. SmH_3 and compressibility systematics.
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8. **Palasyuk T., Tkacz M.**
Pressure-induced structural phase transition in rare-earth trihydrides.
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9. **Sato R., Tsutaoka T., Filipek S. M.**
High pressure synthesis and magnetic properties of Dy_7Rh_3 and
 Tb_7Rh_3 hydrides.
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5. **Filipek S. M.**

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6. **Liu R. S., Chen H. M., Hu S. F., Filipek S. M.**
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7. **Ogienko A., Tkacz M., Manakov A., Lipkowski J.¹**
Determination of volume changes upon phase transformations in the argon-water system.
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希土類水素化物 R₇Rh₃H_x (R = Tb, Dy) の磁性と伝導 Magnetic and electrical properties of R₇Rh₃H_x (R = Tb, Dy).
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OTHER SCIENTIFIC CENTERS (UNPUBLISHED)**

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Instytut Inżynierii Materiałowej Politechniki Częstochowskiej,
Częstochowa, Poland, 2006.
2. **Filipek S. M.**
Synthesis of novel metal hydrides under high hydrogen pressure.
Society of Advanced Science, Tokyo, Japan, 2006.
3. **Filipek S. M.**
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Daido Institute of Technology, Nagoya, Japan, 2006.
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Novel hydrides synthesized under high hydrogen pressure.
Chung-Shan Institute of Science and Technology, Lung-Tan, Tao-Yuwan, Taiwan R.O.C., 2006.

6. Tkacz M.

New hydrogen storage materials.

Florida International University, Miami, USA, 2006.

DEPARTMENT II

PHYSICAL CHEMISTRY OF SUPRAMOLECULAR COMPLEXES

Head of the Department: prof. dr hab. Janusz Lipkowski
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- 1. Asztemborska M., Bielejewska A.**
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"Cyclodextrins and their complexes", (ed. Dodziuk H.)
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- 2. Deiters U. K., Randzio S. L.**
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- 23. Gierycz P., Zięborak-Tomaszkiewicz I.**
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- 48. Lipkowski J.**
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- 49. Luboradzki R., Pakulski Z.**
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- 53. Marczak R., Sgobba V., Kutner W., Gadde S., D'Souza F. Guldi D. M.**
Langmuir-Blodgett films of cationic zinc porphyrin-imidazole functionalized fullerene dyad: Formation and photoelectrochemical studies.
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- 54. Miśkiewicz M., Bielejewska A., Duszczyk K.**
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- 55. Peszke J., Stobiński L., Tomasik P., Lin H. M.**
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- 58. Pietrzak M., Bröring M., Limbach H.-H.**
 $^1H/^2H$ NMR studies of geometric H/D isotope effects on the coupled hydrogen bonds in porphycene derivatives.
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- 60. Poznański J., Zielenkiewicz W.**
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- 61. Randzio S. L.**
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- 62. Religa P., Gawroński R., Gierycz P., Kacperski W.**
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- 65. Skórka M., Asztemborska M.**
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- 66. Stobiński L., Chen M. H., Lin F. H., Hsu C. K., Peszke J.**
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- 67. Suwińska K., Danylyuk O., Boyko V., Rodik R., Kalchenko V.**
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- 68. Świerczyński D., Kalchenko V. I., Lipkowski J.**
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- 69. Taraszewska J., Migut K., Wójcik J., Nowakowski M., Długosz M.**
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simulations.
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Ap4A is not an efficient Zn(II) binding agent.
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- 72. Wszelaka-Rylik M., Zielenkiewicz W.**
Enthalpy changes of salting processes of ovalbumin in electrolyte
solutions.
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- 73. Zięborak-Tomaszkiewicz I., Gierycz P.**
Prediction of activity coefficients at infinite dilution in binary system
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- 74. Zielenkiewicz W.**
Thermal-dynamic analogy method in calorimetry. Analysis of heat
courses occurring in calorimetric systems. Classification of
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9th European Symposium on Thermal Analysis and Calorimetry,
Cracow, Poland, 2006 (*key-lecture*).
- 75. Zielenkiewicz W.**
Report on calorimetric investigations of biomolecules.
XIVth IBC Conference - The International Society for Biological
Calorimetry, Sopot, Poland, 2006.

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AND OTHER SCIENTIFIC CENTERS (UNPUBLISHED)**

- 1. Kutner W.**
“Two-point” assembling of Zn(II) and Co(II) metalloporphyrins, derivatized with a crown ether substituent, in the Langmuir and Langmuir-Blodgett films.
Department of Chemistry, Wichita State University , Wichita, Kansas, USA, 2006.
- 2. Luboradzki R.**
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Warsaw University, Chemistry Department, Warsaw, Poland, 2006.
- 3. Randzio S. L.**
Combined use of transiometry and EOS modelling for the investigation of complex systems.
Department of Chemical Engineering, Danish Technical University, Copenhagen, Denmark, 2006.
- 4. Zielenkiewicz W.**
Kalorymetryczne badania wysalania prostych białek.
Warsaw University, Department of Physics, Institute of Experimental Physics, Biophysics Department, Warsaw, Poland, 2006.

DEPARTMENT III

SOFT CONDENSED MATTER AND FLUIDS

Head of the Department: prof. dr hab. Robert Holyst

Phone: +48 22 343 34 07

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- 1. Abraham D. B., Maciolek A.**
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Phys. Rev. E: Stat., Nonlinear, Soft Matter Phys., **73**, 066129-1-5
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- 2. Ciach A.**
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- 4. Ciach A., Patsahan O.**
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6. **Drzewiński A., Maciołek A., Szota K.**
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10. **Garstecki P., Fuerstman M. J., Fischbach M. A., Sia S. K., Whitesides G. M.**
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11. **Garstecki P., Fuerstman M. J., Stone H. A., Whitesides G. M.**
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12. **Garstecki P., Whitesides G. M.**
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- 13. Garstecki P., Whitesides G. M.**
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- 14. Gauden P. A., Terzyk A. P., Ćwiertnia M. S., Rychlicki G.,
Newcombe G., Kowalczyk P.**
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- 15. Gauden P. A., Terzyk A. P., Rychlicki G., Kowalczyk P., Lota K.,
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- 17. Hashimoto M., Mayers B., Garstecki P., Whitesides G. M.**
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Langmuir, **22**, 1970-1972 (2006).

- 21. Kowalczyk P., MacElroy J. D. M.**
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- 25. Stecki J.**
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- 26. Stecki J.**
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- 27. Szymański J., Patkowski A., Gapiński J., Wilk A., Holyst R.**
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- 28. Szymański J., Patkowski A., Wilk A., Garstecki P., Holyst R.**
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2. **Ciach A.**
Eff. of confinement on self-assembling systems.
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3. **Ciach A., Gózdź W. T., Stell G.**
Mesoscopic theory for highly charged colloids in pure water.
16th International Thermophysics Conference, Boulder, USA, 2006 (*invited lecture*).
4. **Garstecki P.**
Rate-of-flow-controlled break-up; formation of bubbles and droplets in microfluidic systems.
European Fluid Mechanics Conference 6, Stockholm, Sweden, 2006.
5. **Garstecki P., Cybulski O.**
Spontaneous oscillations of a two-phase flow in a microfluidic network.
19th Marian Smoluchowski Symposium on Statistical Physics, Cracow, Poland, 2006.
6. **Gózdź W. T.**
Deformations of lipid membranes.
XX Sitges Conference on Statistical Mechanics, Sitges, Spain, 2006.

7. **Holyst R., Babin V.**
Evaporation in microscale.
19th Marian Smoluchowski Symposium on Statistical Physics,
Cracow, Poland, 2006 (*invited lecture*).
8. **Holyst R., Babin V.**
Evaporation condensation in a nano and microscale.
US-Poland Workshop on Nanoscience and Nanostructured Materials,
Poznan, Poland, 2006 (*invited lecture*).
9. **Maciolek A.**
Critical Casimir forces in superfluid films.
Symposium: Soft Matter and Interfaces, Lisbon, Portugal, 2006.
10. **Maciolek A.**
Finite-size effects and universality in super fluid films.
ESF-FWF Conference: Solid/Fluid Interfaces-Complex Fluid
Interfaces and Nanofluidics, Obergurgl, Austria, 2006.
11. **Szymański J., Patkowski A., Wilk A., Garstecki P., Holyst R.**
Nanorheology of surfactant micellar solutions from protein diffusion.
19th Marian Smoluchowski Symposium on Statistical Physics,
Cracow, Poland, 2006.
12. **Tabaka M., Holyst R.**
Stochasticity in gene expression.
19th Marian Smoluchowski Symposium on Statistical Physics,
Cracow, Poland, 2006.
13. **Wieczorek S. A., Freyssingeas E., Holyst R.**
Relaxation processes in semidilute and dilute solutions of polymers in
liquid crystal solvent.
Thermo International 2006, Boulder, USA, 2006.

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OTHER SCIENTIFIC CENTERS (UNPUBLISHED)**

- 1. Ciach A.**
Highly charged colloids in deionized water.
Institute for Condensed Matter Physics UNAS, Lviv, Ukraine, 2006.
- 2. Ciach A.**
Wpływ kształtu naczynia na równowagi fazowe w układach
niejednorodnych przestrzennie (fazy lamelarne).
IPPT, Warsaw, Poland, 2006.
- 3. Garstecki P.**
Bubbles and droplets in microchannels: formation, transport and
applications.
Department of Power and Aeronautical Engineering , Warsaw,
Poland, 2006.
- 4. Garstecki P.**
Bubbles and droplets in microfluidics – formation, non-linear
phenomena and applications.
Institute of Fundamental Technological Research, Warsaw, Poland,
2006.
- 5. Garstecki P.**
Bubbles and droplets in microfluidics.
Institut of Science et d Ingenierie Supramolecu-laires, Strasbourg,
France, 2006.
Institute of Physics, Polish Academy of Science, Warsaw, Poland,
2006.
- 6. Garstecki P.**
Bubbles and droplets in microfluidics: formation and transport.
Chemistry Department, University of Technology, Warsaw, Poland,
2006.
- 7. Garstecki P.**
Bubbles and drops in microfluidics.
Institute of Theoretical Physics, Warsaw, Poland, 2006.

- 8. Garstecki P.**
Dynamic control of electrostatic interactions in soft matter; liquid crystals, colloidal and polymer systems.
Merck, Darmstadt, Germany, 2006.
- 9. Garstecki P.**
Multiphase flows in microfluidics.
KOC University, Istanbul, Turkey, 2006.
- 10. Hołyst R.**
Evaporation in nano and microscale.
Universite Paris Sud, Orsay, France, 2006.
- 11. Hołyst R.**
Evaporation/condensation in nano and microscale.
Ecole Normale Superieure, Lyon, France, 2006.
- 12. Hołyst R.**
Lepkość płynów złożonych.
IChF PAN, Warsaw, Poland, 2006.
- 13. Hołyst R.**
Parowanie i kondensacja w mikroskali.
IPPT, Warsaw, Poland, 2006.
- 14. Hołyst R.**
Spinodal decomposition in mixtures of polymers and liquid crystals.
Universite Claude-Bernard Lyon, Lyon, France, 2006.
- 15. Hołyst R.**
Zasady wariacyjne w podziale przestrzeni: od plastra miodu w równowadze do plastra miodu daleko od równowagi.
Jagiellonian University in Cracow, Department of Physics, Cracow, Poland, 2006.
- 16. Poniewierski A.**
Nematyczny ciekły kryształ w kontakcie z podłożem o periodycznej strukturze chemicznej i geometrycznej.
Department of Physics, Warsaw University, Warsaw, Poland, 2006.

17. Szymański J.

Does shear rate influence the temperature of the phase transition in the system of wormlike micelles?

Unilever Research and Development, Port Sunlight, United Kingdom, 2006.

DEPARTMENT IV
CHEMICAL DYNAMICS

Head of the Department: prof. dr hab. Ryszard Duś
Phone: +48 22 343 34 29

**PAPERS PUBLISHED IN SCIENTIFIC JOURNALS AND
PROCEEDINGS OF SCIENTIFIC CONFERENCES**

- 1. Cukrowski A. S.**
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Acta Phys. Pol., B, **37**, 1715-1726 (2006).
- 2. Cukrowski A. S., Kolbus A.**
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Annals Polish Chem. Soc., **2**, 560-563 (2005).
- 3. Cukrowski A. S., Kolbus A., Królikowski P.**
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Annals Polish Chem. Soc., **2**, 556-559 (2005).
- 4. Hansen J. S., Nowakowski B., Lemarchand A.**
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- 5. Hansen J. S., Nowakowski B., Lemarchand A.**
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J. Chem. Phys., **124**, 034503–1-6 (2006).
- 6. Kawczyński A. L.**
Pattern formation in reaction-diffusion systems.
Physical Chemistry 2006, Proceedings of the 8th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia, 15-22 (2006).
- 7. Kawczyński A. L., Leda M., Legawiec B.**
Breaking of translational symmetry of a traveling planar impulse in a two-dimensional two-variable reaction-diffusion model.
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- 8. Kawczyński A. L., Leda M.**
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- 9. Kawczyński A. L., Legawiec B.**
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Phys. Rev. E: Stat., Nonlinear, Soft Matter Phys., **73**, 026112(1-7) (2006).
- 10. Kawczyński A. L., Legawiec B., Leda M.**
Breaking of translational symmetry of a traveling planar impulse in a two-dimensional two-variable reaction-diffusion model.
Phys. Rev. E: Stat., Nonlinear, Soft Matter Phys., **73**, 046128(1-5) (2006).
- 11. Keim E. G., Lisowski W.**
Structural relationship between a titanium deuteride film and a thin protecting Pd toplayer.
Microsc. Microanal., **12**, 1060-1061 (2006).

- 12. Leda M., Kawczyński A. L.**
On the variety of traveling fronts in one-variable multistable reaction-diffusion systems.
J. Phys. Chem. A, **110**, 7882-7887 (2006).
- 13. Lisowski W., Keim E. G., van den Berg A. H. J., Smithers M. A.**
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- 14. Lisowski W., Keim E. G., van den Berg A. H. J., Smithers M. A.**
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- 15. Maranda-Niedbala A., Nowakowski R.**
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- 16. Nowakowski B., Kawczyński A. L.**
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- 17. Wincel H.**
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Int. J. Mass Spectrom., **251**, 23-31 (2006).

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- 1. Lemarchand A., Nowakowski B.**
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J. Phys. Condens. Matter.,

- 2. Nowakowski R., Grzeszczak P., Duś R.**
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Langmuir,

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- 1. Jaroch T., Knor M., Nowakowski R., Pokrop R., Zagórska M., Proń A.**
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IV Seminarium "Badania prowadzone metodami skaningowej mikroskopii bliskich oddziaływan - STM/AFM 2006", Zakopane, Poland, 2006.
- 2. Kawczyński A. L.**
Pattern formation in reaction-diffusion systems.
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- 3. Kawczyński A. L., Leda M., Legawiec B.**
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- 4. Kawczyński A. L., Legawiec B.**
Complete set of asymptotic solutions to 1D infinite two variable systems.
Gordon Research Conference „Oscillations and dynamic instabilities in chemical systems”, Oxford, United Kingdom, 2006.
- 5. Keim E. G., Lisowski W.**
Structural relationship between a titanium deuteride film and a thin protecting Pd toplayer.
Microscopy & Microanalysis 2006 Meeting, Chicago, USA, 2006.
Materials, Technologies and Systems for the Information Society (MESA+) Conference: MESA+ Meeting, Hengelo, Holland, 2006.

6. **Lisowski W., Keim E. G., van den Berg A. H. J., Smithers M. A., Kaszku Z.¹**
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7. **Nowakowski B., Kawczyński A. L.**
Fluctuation effects in a model of bistable chemical system.
Gordon Research Conference „Oscillations and Dynamic Instabilities in Chemical Systems”, Oxford, United Kingdom, 2006.

¹ Department V

DEPARTMENT V
CATALYSIS ON METALS

Head of the Department: prof. dr hab. Zbigniew Karpiński
Phone: +48 22 343 33 56

MONOGRAPHS

- 1. Pasiuk-Bronikowska W., Bronikowski T.**
Studies on nitrate-affected SO₂ oxidation and their perspectives,
in “Environmental simulation chambers: application to atmospheric
chemical processes” (eds Barnes I., Rudziński K. J.)
Springer and NATO Publ. Dipl. Div., Dordrecht, 2006, p. 253-260.
- 2. Rudziński K. J.**
Heterogeneous and aqueous-phase transformations of isoprene,
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chemical processes” (eds Barnes I., Rudziński K. J.)
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3. **Fontaine M. L., Laberty-Robert C., Verelst M., Pielaszek J., Lenormand P., Ansart F., Tailhades P.**
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Mater. Res. Bull., **41**, 1747-1753 (2006).
4. **Gmachowski L.**
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Polymer, **47**, 6257-6262 (2006).
5. **Gmachowski L.**
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6. **Kaszur Z.**
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7. **Kopeć M., Lisovytskiy D., Marzantowicz M., Dygas J. R., Krok F., Kaszur Z., Pielaszek J.**
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React. Kinet. Catal. Lett., **47**, 311-317 (2006).
9. **Lisovytskiy D., Baumer V. N.**
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Eastern-European Journal of Enterprise Technologies, **6**, 33 (2006).

- 10. Michalski J. A.**
Equilibria in limestone-based FGD process: magnesium addition.
Ind. Eng. Chem. Res., **45**, 1945-1954 (2006).
- 11. Raróg-Pilecka W., Jedynak-Koczuk A., Petryk J., Miśkiewicz E., Jodzis S., Kaszkur Z., Kowalczyk Z.**
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- 12. Raróg-Pilecka W., Miśkiewicz E., Jodzis S., Petryk J., Łomot D., Kaszkur Z., Karpiński Z., Kowalczyk Z.**
Carbon-supported ruthenium catalysts for NH₃ synthesis doped with caesium nitrate: Activation process, working state of Cs-Ru/C.
J. Catal., **239**, 313-325 (2006).
- 13. Raróg-Pilecka W., Miśkiewicz E., Matyszek M., Kaszkur Z., Kępiński L., Kowalczyk Z.**
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J. Catal., **237**, 207-210 (2006).
- 14. Rudziński K. J., Ziajka J.**
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Ecol. Chem. Eng., **12**, 1313-1324 (2005).
- 15. Rudziński K. J., Ziajka J.**
Environmental significance of aqueous-phase reactions of atmospheric organic trace-compounds.
Proc. Central European Conference ECOpole'05, 247-252 (2005).
- 16. Szeremeta E., Rudziński K. J.**
Transformation of manganese in catalytic autoxidation of sulfur(IV).
Proc. Central European Conference ECOpole'05, 291-295 (2005).
- 17. Śrębowata A., Juszczak W., Karpiński Z.**
Catalytic removal of chlorine from 1,2-dichloroethane.
Pol. J. Environ. Stud., **14** Supplement IV, 9-12 (2005).

- 18. Tobią J.**
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Chem. Eng. Sci., **61**, 2447-2456 (2006).
- 19. Znak L., Zieliński J.**
Interaction of hydrogen with unsupported and supported nickel.
Langmuir, **22**, 8758-8763 (2006).
- 20. Witkowski S., Ruszak M., Sayag C., Pielaszek J., Djéga-Mariadassou G.**
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- 1. Gmachowski L.**
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Colloids Surf. A,
- 2. Rudziński K. J., Ziajka J.**
Chlorophenols in the environment – sources, chemistry and novel degradation processes.
Proc. Central European Conference ECOpole'06,
- 3. Rudziński K. J., Sokołowski R.**
Aqueous-phase reactions of dimethylsulfide and products of its oxidation.
Proc. Central European Conference ECOpole'06,

4. **Śrębowata A., Juszczak W., Kaszkur Z., Sobczak J. W.¹, Kępiński L., Karpiński Z.**
Hydrodechlorination of 1,2-dichloroethane and dichlorodifluoromethane over Ni/C catalysts. The effect of catalyst carbiding.
Appl. Catal., A,
5. **Śrębowata A., Sadowska M., Juszczak W., Kaszkur Z., Kowalczyk Z., Nowosielska M., Karpiński Z.**
Hydrogen-assisted dechlorination of 1,2-dichloroethane over silica-supported nickel-ruthenium catalysts.
Catal. Commun.,

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1. **Lin K.-N., Bonarowska M., Legawiec-Jarzyna M., Stobiński L.², Karpiński Z., Lin H.-M.**
Catalytic activity and selectivity of Pt/MWCNTs system in hydrodechlorination of Freon CFC-12.
E-MRS 2006 Fall Meeting, Microsymposium: Nanomaterials in Catalysis, Warsaw, Poland, 2006.
2. **Pielaszek J., Dygas J. R., Krok F., Lisovytskiy D., Kopeć M., Marzantowicz M.**
X-ray diffraction and electric measurements of phase transformations in Li-Mn spinels.
XXth Conference on Applied Crystallography, Vistula, Poland, 2006 (*invited lecture*).
3. **Rudziński K. J., Ziajka J., Gmachowski L., Szeremeta E.**
Reactions of sulphony radicals – a mini –review.
The routes for organics oxidation in the atmosphere and implications to the atmosphere.
INTROP Conference, Alpe d'Huez, France, 2006.

¹ Department VI

² Department II

4. **Śrębowata A., Juszczak W., Karpiński Z.**
Catalytic removal of chlorine from 1,2-dichloroethane.
38 Ogólnopolskie Kolokwium Katalityczne, Cracow, Poland, 2006.
5. **Śrębowata A., Juszczak W., Karpiński Z.**
Hydrodechlorination of 1,2-dichloroethane over carbon-supported nickel catalysts.
8th Pannonian International Symposium on Catalysis, Szeged, Poland, 2006.
6. **Śrębowata A., Juszczak W., Kaszkur Z., Karpiński Z.**
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DEPARTMENT VI

ELECTROCHEMISTRY, CORROSION AND APPLIED SURFACE SCIENCE

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- 82. Zommer L., Jabłoński A.**
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- 83. Zommer L., Jabłoński A., Gergely G.**
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**INVITED LECTURES PRESENTED AT UNIVERSITIES AND
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- 1. Jabłoński A.**
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- 2. Jabłoński A.**
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National Institute for Materials Science, Tsukuba, Japan, 2006.

DEPARTMENT VII

ELECTRODE PROCESSES

Head of the Department: prof. dr hab. Marcin Opallo

Phone: +48 22 343 33 75

MONOGRAPH

1. **Staffiej J., Taleb A., Vautrin-UI C., Chausse A., Badiali J. P.**
Simulation of corrosion processes with anodic and cathodic reactions separated in space,
in: "Passivation of Metals and Semiconductors, and Properties of Thin Oxide Layers" (eds Philippe Marcus and Vincent Maurice)
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- 3. Niedziółka J., Szot K., Marken F., Opallo M.**
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- 18. Taleb A., Vautrin-UI Ch., Stafiej J., Chaussé A.**
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AND OTHER SCIENTIFIC CENTERS (UNPUBLISHED)**

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Universite Pierre et Marie Curie, Paris, France, 2006.
2. **Niedziółka J.**
Preparation and properties of the electrodes modified with hydrophobic silicate film and redox liquid.
CNRS - Universite' Henri Poincare, Nancy, France, 2006.
3. **Nogala W.**
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Uniersytet Bath, Bath, United Kingdom, 2006.
4. **Opalho M.**
Katody do bioogniw paliwowych.
Institute of Physics, Polish Academy of Sciences, Warsaw, Poland, 2006.

- 5. Shul G.**
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University of Warsaw, Chemistry Department, Warsaw, Poland, 2006.
- 8. Stafiej J.**
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Prof. Pierre Mothé Esteves, Departamento de Química Orgânica,
Instituto de Química, Universidade Federal do Rio de Janeiro (UFRJ),
Rio de Janeiro, Brasil, 2006.

DEPARTMENT VIII

ELECTROCHEMICAL OXIDATION OF GASEOUS FUELS (CRACOW)

Head of the Department: prof. dr hab. Leszek Suski
Phone: +48 12 266 03 41

PAPERS PUBLISHED IN SCIENTIFIC JOURNALS AND PROCEEDINGS OF SCIENTIFIC CONFERENCES

- 1. Bieniasz L. K.**
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- 1. Bieniasz L. K.**
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- 2. Bieniasz L. K.**
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- 5. Mordarski G., Kołacz J., Suski L., Wyrwa J.**
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An International Symposium on Surface Imaging/Spectroscopy at the Solid/Liquid Interface, Cracow, Poland, 2006.

DEPARTMENT IX

PHOTOCHEMISTRY AND SPECTROSCOPY

Head of the Department: prof. dr hab. Jacek Waluk

Phone: +48 22 343 33 32

MONOGRAPH

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8. **Gil M., Organero J., Waluk J., Douhal A.**
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9. **Gorski A., Posokhov Y., Hansen B. K. V., Spanget-Larsen J.,
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- 22. Vdovin A., Sepioł J., Urbańska N., Pietraszkiewicz M., Mordziński A., Waluk J.**
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2. **Gil M., Gorski A., Vdovin A., Piwoński H., Sepioł J., Urbańska N., Pietraszkiewicz M., Waluk J.**
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4. **Herbich J.**
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5. **Kapturkiewicz A.**
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6. **Kapturkiewicz A.**
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7. **Kapturkiewicz A.**
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8. **Kapturkiewicz A.**
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9. **Karolak E., Karpiuk J.**
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- 10. Karpiuk J.**
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- 11. Karpiuk J.**
Entering electron transfer dynamics on a single vibration time scale in spiro-like donor-acceptor architectures.
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- 12. Karpiuk J.**
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- 14. Karpiuk J.**
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- 15. Kijak M.**
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- 16. Kijak M.**
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- 17. Kołos R.**
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- 18. Ostrowski S., Kolos R., Jamróz M. H., Kijeński J., Dobrowolski J. Cz.**
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XXVIII European Congress on Molecular Spectroscopy, Istanbul, Turkey, 2006.
- 19. Pietraszkiewicz M.**
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- 20. Pietraszkiewicz M., Pietraszkiewicz O., Karpiuk J., Szymborski T., Borowiak T.**
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- 22. Pietraszkiewicz O., Pietraszkiewicz M.**
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Three-dimensional orientation of single porphycene molecules in polymer hosts.
Polish Photoscience Seminar, Warsaw, Poland, 2006.
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Imaging of tautomerism in a single molecule.
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- 27. Piwoński H., Sepioł J., Meixner A., Waluk J.**
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- 28. Radzewicz Cz.**
Optyczne grzebienie częstości.
XVIII Spotkanie Międzylaboratoryjnej Grupy d/s Porównań Krajowych Wzorców Czasu i Częstotliwości, Warsaw, Poland, 2006 (*invited lecture*).
- 29. Rzodkiewicz W., Borowicz P., Borowicz L., Kudła A.**
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Woolam Elipsometry Seminar, Darmstadt, Germany, 2006.
- 30. Schmidhammer U., Karpiuk J., Lochbrunner S., Riedle E.**
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- 31. Sepioł J.**
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- 32. Sessler J. L., Seidel D., Koehler T., Lee J. T. L., Stępień V., Kadish M. K., Ou Z., Waluk J., Donnio B.**
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- 33. Stepanenko Y., Radzewicz C.**
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VIII Sympozjum Techniki Laserowej, Świnoujście, Poland, 2006.
- 34. Urbańska N., Pietraszkiewicz M., Waluk J.**
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- 35. Waluk J.**
Plany badawcze związane z porficynami.
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- 36. Waluk J.**
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- 37. Waluk J.**
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OTHER SCIENTIFIC CENTERS (UNPUBLISHED)**

- 1. Herbich J.**
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The Israel Academy of Sciences and Humanities, Jerusalem, Israel, 2006.
- 2. Kapturkiewicz A.**
Elektrochemiluminescencja kompleksów irydu(III).
Chemistry Department of AMU, Poznań, Poland, 2006.
- 3. Kołos R.**
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Nicolaus Copernicus University, Toruń, Poland, 2006.
- 4. Pietraszkiewicz M.**
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- 5. Pietraszkiewicz M.**
Luminescencyjne kompleksy Eu(III) i Tb(III) z N-tlenkami i P-tlenkami.
Quantum Mechanics Department of UMK, Toruń, Poland, 2006.
- 6. Pietraszkiewicz M.**
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Vth OLLA WORKSHOP, Palma de Mallorca, Spain, 2006.
- 7. Waluk J.**
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Warsaw Branch of the Polish Chemical Society, Warsaw, Poland, 2006.

DEPARTMENT X

QUANTUM THEORY OF SOLIDS AND MOLECULES

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MONOGRAPHS

- 1. Dodziuk H.**
Molecules with holes. Cyclodextrins.
in: "Cyclodextrins and their complexes. Chemistry, analytical methods, applications" (ed. Dodziuk H.)
Wiley-VCH, Weinheim, Germany, 2006, pp. 1-30.
- 2. Dodziuk H.**
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- 3. Dodziuk H.**
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- 4. Dodziuk H.**
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5. **Dodziuk H.**
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6. **Górecki J., Górecka J. N.**
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2. **Cinal M.**
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3. **Dobrzyński L., Holas A., Satuła D., Szymański K.**
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¹ Department II

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- 3. Gierycz P.**
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- 9. Zięborak-Tomaszkiewicz I.**
Preface.
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EDITORIAL ACTIVITY

SCIENTIFIC JOURNALS

Baranowski B.

- Editor in Chief of **Polish Journal of Chemistry**. Published by Polish Chemical Society
- Member of the International Advisory Board of **Journal of Nonequilibrium Thermodynamics**. Published by Walter de Gruyter

Górecki J.

- Member of the Editorial Board of **International Journal of Unconventional Computing**. Published by Old City Publishing, Inc.

Grabowski Z. R.

- Member of the Editorial Board of **Trends in Chemical Physics**. Published by Indian Academy of Sciences.

Holyst R.

- Member of the Editorial Board of **Macromolecular Theory and Simulations**. Published by J.Wiley & Sons, Ltd.

Jabłoński A.

- Member of the International Advisory Board of **Surface and Interface Analysis**. Published by Wiley & Sons, Ltd.
- Member of the International Advisory Board of **Journal of Surface Analysis**. Published by Surface Analysis Society of Japan

Karpiuk J.

- Member of the Editorial Board of **Journal of Photochemistry and Photobiology A**. Published by Elsevier

Kutner W.

- Guest Editor of **Bioelectrochemistry**. Published by Elsevier

Lipkowski J.

- Associate Editor of **Journal of Coordination Chemistry**. Published by Gordon & Breach
- Member of the Editorial Board of **Journal of Inclusion Phenomena and Molecular Recognition in Chemistry**. Published by Springer
- Member of the International Advisory Committee of **Supramolecular Chemistry**. Published by Tylor & Francis
- Member of the International Advisory Committee of **Journal of Chemical Crystallography**. Published by Plenum Press
- Member of the Editorial Board of **Crystal Engineering**. Published by Pergamon
- Member of the Editorial Board of **Chemical Analysis, Warsaw**. Published by Polish Chemical Society and Committee on Analytical Chemistry
- Member of the Editorial Board of **Moldavian Journal of Chemistry**
- Member of the International Board of **Journal of Supramolecular Chemistry**. Published by Elsevier

Łunarska E.

- Member of the Editorial Board of **International Journal of the Physicochemical Mechanics of Materials**. Published by National Academy of Sciences of Ukraine.
- Member of the Editorial Board of **Advances in Mater. Sci.** Published by Polish Materials Society.
- Member of the Editorial Board of **Corrosion Reviews**. Published by Freund Publishing House Ltd.
- Member of the Editorial Board of **Mezhdunarodnyj Zhurnal Funkcionalnykh Materialov**.
- Member of the Editorial Board of **Alternativnaja Energetika i Ekologija**.

Malanowski S. K.

- Member of the Advisory Board of **Journal of Chemical & Engineering Data**. Published by American Chemical Society (2004-2006)

Waluk J.

- Member of the Editorial Board of **Journal of Luminescence**. Published by Elsevier
- Member of the Editorial Board of **Chemical Physics**. Published by Elsevier

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Barnes I., Rudziński K. J.

Editors, **Environmental simulation chambers: application to atmospheric chemical processes**,
published by Springer and NATO Publ. Dipl. Div., Dordrecht, 2006.

Dodziuk H.

Editor, **Cyclodextrins and their complexes. Chemistry, analytical methods, applications**,
published by Wiley-VCH, Weinheim, Germany, 2006.

MEMBERSHIP IN INTERNATIONAL ORGANIZATIONS

Baranowski B.

- International Association for Advancement of High Pressure Science and Technology AIRAPT (since 1975)
- Deutsche Akademie der Naturforscher "Leopoldina" (since 1976)
- Ukrainian Academy of Sciences (member since 1994)
- International Academy of Sciences (member since 1986)
- Deutsche Bunsen Gesellschaft für Physikalische Chemie (since 1989)
- German Chemical Society (since 1990)

Filipek S. M.

- International Association for Advancement of High Pressure, Science and Technology AIRAPT (member of Executive Committee)

Grabowski Z. R.

- Deutsche Akademie der Naturforscher und Aerzte.

Gregorowicz J.

- European Federation of Chemical Engineering Working Party on High Pressure Technology (since 2005)

Jabłoński A.

- Surface Analysis Society of Japan (member of Advisory Committee since 1995)

Karpiński Z.

- International Association of Catalysis Societies (since 1996)

Kutner W.

- Associate Member of the Interdivisional Committee on Terminology, Nomenclature Symbols of IUPAC
- Associate Member of the Analytical Chemistry Division Committee (V) of IUPAC

Lipkowski J.

- American Crystallographic Association (member since 1998)
- American Chemical Society (member since 1999)
- European Crystallographic Association (member since 1999)
- British Crystallographic Association (member since 1999)
- World Innovation Foundation (member since 2006)

Olszewski S.

- European Academy of Sciences and Arts (full member since 1991)

Opallo M.

- International Society for Electrochemistry - President of Division 6
Molecular Electrochemistry

Randzio S. L.

- Board of Directors of the International Association of Chemical
Thermodynamics

Suwińska K.

- European Crystallographic Association (member since 2000)

Waluk J.

- American Chemical Society (member since 2001)

Zielenkiewicz W.

- Real Academia de Ciencias e Artes de Barcelona (member since 1975)
- International Union of Pure and Applied Chemistry, IUPAC (affiliate
member since 1988)
- American Chemical Society (since 1999)
- International Society Nucleosides, Nucleotides and Nucleic Acids (since
2001)
- The International Society for Biological Calorimetry (since 2006)

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