

- 158) 柏木保人、国府田悦男、山下祐彦：水酸化ランタン共沈分離／還元蒸留／黒鉛原子吸光法による高塩濃度廃水中の無機ヒ素 (III, V) と有機ヒ素の分別定量、*BUNSEKI KAGAKU*, **50**[3], 187-192 (2001) (Y. Kashiwagi, E. Kokufuta, Y. Yamashita: Selective Determination of Inorganic and Organic Arsenic (III, V) in High Salts Wastewater by Graphite-Furnace Atomic-Absorption Spectrometry after Lanthanum Hydroxide Coprecipitation and Reductive Distillation, *Bunseki Kagaku*, **50**[3], 187-192 (2001)).
- 159) Y. Ogawa, K. Ogawa, B. Wang, E. Kokufuta: A Biochemo-Mechanical System Consisting of Polyampholyte Gels with Coimmobilized Glucose Oxidase and Urease, *Langmuir*, **17**[9], 2670-2674 (2001)).
- 160) § E. Kokufuta: Phase Transitions in Polyelectrolyte Gels; In: *Physical Chemistry of Polyelectrolytes* (Surfactant Science Series, Vol. 99), (T. Radeva ed), Marcel Dekker, Inc., New York (2001) pp.591-685.
- 161) K. Ogawa, B. Wang, E. Kokufuta: Enzyme Regulated Microgel Collapse for Controlled Membrane Permeability, *Langmuir*, **17**[16], 4704-4707 (2001).
- 162) K. S. Schmitz, B. Wang, E. Kokufuta: Mechanism of Microgel Formation via Crosslinking of Polymers in Their Dilute Solutions: Mathematical Explanation with Computer Simulations, *Macromolecules*, **34**[23], 8370-8377 (2001).
- 163) R. Yoshida, G. Otsu, T. Yamaguchi, E. Kokufuta: Traveling Chemical Waves for Measuring Solute Diffusivity in Thermosensitive Poly(N-isopropylacrylamide) Gel, *J. Phys. Chem., A*, **105**[14] 3667-3672 (2001).
- 164) K. Yabusaki, E. Kokufuta: Aggregation Mechanism of Blood Platelets by Time-Resolved Light Scattering Method, *Langmuir*, **18**[1], 39-45 (2002).
- 165) O. Tabata, H. Hirasawa, S. Aoki, R. Yoshida, E. Kokufuta: Ciliary Motion Actuator Using Self-oscillating Gel, *Sensors & Actuators, A-Physical*, **95**[2/3], 234-238 (2002).
- 166) § E. Kokufuta: Controlled Permeation through Membranes Modified with Smart Polymers: Smart Polyelectrolytes That Undergo Configurational Transition on Hydrophobic

Membrane Surface, In: *Smart Polymer for Bioseparation and Bioprocessing* (I.Y. Galaev and B. Mattiasson Eds), Taylor & Francis Publishers, London and New York, (2002) Chap. 6, pp. 122-139.

- 167) K. Ogawa, T. Nakajima-Kambe, T. Nakahara, E. Kokufuta: Coimmobilization of Gluconolactonase with Glucose Oxidase for Improvement in Kinetic Property of Enzymatically Induced Volume Collapse in Ionic Gels, *Biomacromolecules*, **3**[3], 625-631 (2002).
- 168) T. Norisuye, N. Masui, Y. Kida, D. Ikuta, E. Kokufuta, Shoji Ito, S. Panyukov, M. Shibayama: Small Angle Neutron Scattering Studies on Structural Inhomogeneities in Polymer Gels: Irradiation Cross-linked Gels vs Chemically Cross-linked Gels, *Polymer*, **43**, 5289-5297 (2002).
- 169) K. Ogawa, E. Kokufuta: Enzymatic Formation of pH Gradients within Polyelectrolyte Gels with Immobilized Urease, *Langmuir*, **18**[15], 5661-5667 (2002).
- 170) K. Ogawa, Y. Ogawa, E. Kokufuta: Effect of Charge Inhomogeneity of Polyelectrolyte Gels on Their Swelling Behavior, *Colloids and Surfaces A*, **209**[2/3], 267-279 (2002).
- 171) T. Okubo, H. Hase, H. Kimura, E. Kokufuta: Thermosensitive Colloidal Crystals of Silica Spheres in the Presence of Gel Spheres of Poly(*N*-isopropyl acrylamide), *Langmuir*, **18**[18], 6783-6788 (2002).
- 172) T. Yoshida, T. Aoyagi, E. Kokufuta, T. Okano: Newly Designed Hydrogel with Both Sensitive Thermoresponse and Biodegradability: *J. Polym. Sci., Part A, Polym. Chem.*, **41**, 779-787 (2003).
- 173)* 国府田悦男：高分子電解質：最近のわだいから：化学、58[5], 64-65 (2003).) (E. Kokufuta: Polyelectrolytes: Recent Topics, *Chemistry*, **58**[5], 64-65 (2003)).
- 174) K. Ogawa, A. Nakayama, E. Kokufuta: Preparation and Characterization of Thermosensitive Polyampholyte Nanogels, *Langmuir*, **19**[8], 3178-3184 (2003).
- 175) T. Matsudo, K. Ogawa and E. Kokufuta: Intramolecular Complex Formation of

Poly(*N*-isopropylacrylamide) with Human Serum Albumin, *Biomacromolecules*, **3**[3], 728-735 (2003).

- 176) K. Ogawa, A. Nakayama, E. Kokufuta: Electrophoretic Behavior of Ampholytic Polymers and Nanogels, *J. Phys. Chem. B*, **107**[32], 8223-8227 (2003).
- 177) T. Matsudo, K. Ogawa and E. Kokufuta: Complex Formation of Protein with Different Water-soluble Synthetic Polymers, *Biomacromolecules*, **4**[6], 1794-1799 (2003).
- 178)* E. Kokufuta: Swelling Characteristics of Temperature-Sensitive Polyelectrolyte Gels Based on *N*-Isopropylacrylamide: Role of Fixed Charges in the Swelling, *Trans. Mater. Res. Soc. Jpn.*, **28**[3], 965-972 (2003).
- 179) H. Suzuki, A. Kumagai, K. Ogawa, E. Kokufuta: New Type of Glucose Sensor Based on Enzymatic Conversion of Gel Volume into Liquid Column Length, *Biomacromolecules*, **5**[2], 486-491 (2004).
- 180) K. Ogawa, E. Kokufuta: Formation of a Charge Distribution within Ionic Gels by Immobilized Enzyme Reaction: Experimental Observations and Mathematical Simulations, *Macromolecular Symposia*, **207**, 241-248 (2004).
- 181) Y. Ogawa, K. Ogawa, E. Kokufuta: Swelling-Shrinking Behavior of a Polyampholyte Gel Composed of Positively Charged Networks with Immobilized Polyanions, *Langmuir*, **20**[7], 2546-2552 (2004).
- 182)* 国府田悦男 : 刺激応答性ゲル微粒子、繊維学会、60[7], 386-390 (2004) (E. Kokufuta: Stimulus-responsive Microgels, *Seni Gakkaishi*, **60**[7], 386-390 (2004)).
- 183)* 国府田悦男: 刺激応答性ナノゲル微粒子、ケミカル・エンジニアリング、**49**[11], 828-833 (2004) (E. Kokufuta: Stimulus-responsive Nanogel Particles, *Chemical Engineering*, **49**[11], 828-833 (2004)).
- 184) K. Ogawa, S. Sato, E. Kokufuta: Formation of Intra- and Interparticle Polyelectrolyte Complexes between Cationic Nanogel and Strong Polyanion, *Langmuir*, **21**[11], 4830-4836 (2005).

- 185) E. Kokufuta: Polyelectrolyte Gel Transitions: Experimental Aspects of Charge Inhomogeneity in the Swelling and Segmental Attractions in the Shrinking, *Langmuir* (Special Issue in Honor of Robert L. Rowell), **21**,10004-10015 (2005) .