

(2) 論文発表 (海外)

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[様式 9]

No.	年度	論文名	掲載誌名 (巻、号、頁)	著者名	備考
1	12年度	Intraparticle Heat and Mass Transfer Characteristics of Water vapour Adsorption	Proc. of 12th Intl. Drying Symp., (2000) (Noordwijkerhout, Netherland)	E. Yamamoto, F. Watanabe, N. Kobayashi, M. Hasatani	若
2	12年度	Pyrolysis Behavior of Refuse Derived Fuel	Fluidization 2000 Science and Technology, Conference Papers of Seventh China-Japan Symposium, Edited by Delong Xu and S. Mori, October, Xi' an, China, 267-272 (2000)	X. Yang, Y. Itaya, S. Hatano, R. Yamazaki and S. Mori	
3	13年度	Gasification of Organic Waste Materials (OWM) for Power Generation Using Fuel Cell	6th World Congress of Chemical Engineering, 9, 24-27 (2001) pp.1-6	Guilin Piao, Motohiro Kondo, Michihiko Hamai, Masataka Yamaguchi, Masayoshi Minabe, Seigo Kurachi, Yoshinori Itaya, Shigekatsu Mori	雇
4	13年度	Adsorption Removal of Pollutants in Energy Recycle Process of Wastes by Active Cokes Produced from Sludge in Fluidized Bed	International Conference on Incineration and Thermal Treatment Technologies 2001 (IT3-2001), May 14-18, Philadelphia, U.S.A., pp1-6 (2001)	Naozumi Kojima, Aki Mitomo, Yoshinori Itaya, Shigekatsu Mori, Shuichi Yoshida	若
5	13年度	Fundamental study of the behavior of chlorine during the combustion of single RDF	Waste Management, Vol.21, (2001) 427-433	Gui-Qing Liu, Yoshinori Itaya, Ryohei Yamazaki, Shigekatsu Mori, Masataka Yamaguchi, Motohiro Kondoh	
6	13年度	Recent Trend in Japanese R&D on Chemical Heat Storage/Heat Pump System	IEA Heat Pump NEWSLETTER, Vol. 19, No.1/2001, 23-26(2001)	M. Kubota, F. Watanabe, H. Matsuda	若
7	14年度	Feasibility of High Level Cold Heat Energy Production by Carbon/Ammonia Adsorption Heat Pump	7th International Energy Agency Heat Pump Conf. 2002, B2-06 (2002) (Beijing, China)	J. F. Li, R. Fujisawa, N. Kobayashi, M. Hasatani	若
8	14年度	Heat and Mass Transfer Characteristics of Active Carbon/Ammonia Adsorption Heat Pump with a Packed Bed Type Adsorber	Asian Conf. on Refrigeration and Air Conditioning, P.361-366, (2002) (Kobe, Japan)	J. F. Li, R. Fujisawa, N. Kobayashi, M. Hasatani	若
9	14年度	Hydrophilication of Activated Carbons by Sticking Silica Method into Pores	Fundamentals of Adsorption 7, 959-966 (2002)	J. Kobayashi, E. Yamamoto, K. Kanamaru, T. Miura, F. Watanabe, N. Kobayashi, M. Hasatani	若
10	14年度	Adsorption Removal of pollutants by Active Cokes Produced from Sludge in Energy Recycle Process of Wastes,	Jornal of Waste Management, vol. 22, 399-404 (2002)	N. Kojima, A. Mitomo, Y. Itaya, S. Mori S. Yoshida	若

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11	14年度	Gasification Process of Organic Wastes for Electric Power Generation by Fuel Cell	Proc. APCCHE2002, Christchurch, New Zealand, September (2002)	S. Mori, M. Kondo, M. Hamai, M. Yamaguchi, G. Piao, A. S.Hendars, S. Hatano, Y. Itaya	
12	15年度	Gasification Behavior of Woody Biomass Entrained in Down-Flow Furnace with Auxiliary Fuel Burner	22nd International Conference on Incineration and Thermal Treatment Technologies 2003 (IT3-2003), May 12-16, Orlando, Florida, U. S. A. (2003)	G. Piao, M. Kondo, M. Hamai, Y. Itaya, S. Mori	雇
13	15年度	Production of Activated Carbons by KOH Chemical Activation for Adsorption Heat Pump	Carbon Conference 2003, Oviedo, Spain (2003)	J. Kobayashi, T. Fujita, M. Sugiyama, N. Fukuta, N. Kobayashi, F. Watanabe, M. Hasatani	若
14	15年度	Cold Heat Output Performance of 0.5 USRT Adsorption Heat Pump	Proc. of 9th International Conf. On Thermal Energy Storage, Vol. 2, pp. 467-472 (2003) (Warsaw, Poland)	M. Kubota, T. Ueda, R. Fujisawa, F. Watanabe, N. Kobayashi, M. Hasatani	若
15	15年度	Optimum Packing of Adsorbent in Adsorber of Active Carbon/Ammonia Adsorption Heat Pump	Proc. of 9th International Conf. On Thermal Energy Storage, Vol. 2, pp. 559-568 (2003) (Warsaw, Poland)	J. Li, M. Kubota, F. Watanabe, N. Kobayashi, M. Hasatani	若
16	16年度	Pulverization Technique of Ligneous Biomass and its Effective Utilization	23rd International Conference on Incineration and Thermal Treatment Technologies (IT3-2004), May 10-14, Phoenix, U. S. A. (2004)	N. Kobayashi, T. Sato, Y. Itaya, S. Mori	若
17	16年度	Selective Dechlorination Reaction between Slaked Lime and HCl Coexisting with Carbon Dioxide in a Fluidized Bed	The 11th International Conference on Fluidization: Present and Future for Fluidization Engineering, May 9-13, Napoli, Italy (2004)	Y. Itaya, S. Kurachi, M. Kondo, M. Hamai, S. Mori	
18	16年度	Manufacturing of activated coke from lignerous biomass in a fluidized bed.	Proc of the 10th Asian Pacific Confederation of Chemical Engineering Congress, October (2004)	S. Mori et.al	

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No.	年度	論文名	掲載誌名(巻、号、頁)	著者名	備考
1	11年度	Sequence analysis, overexpression, and antisense inhibition of a b-xylosidase gene, xylA, from Aspergillus oryzae KBN616.	Appl. Environ. Microbiol., 65:20-24.	Kitamoto, N., Yoshino, S., Ohmiya, K., Tsukagoshi, N.	
2	11年度	Nucleotide sequences of two contiguous and highly homologous xylanase genes xynA and xynB and characterization of XynA from Clostridium thermocellum.	Appl. Microbiol. Biotechnol., 51:348-357.	Hayashi, H., Takehara, M., Hattori, T., Kimura, T., Karita, S., Sakka, K., Ohmiya, K.	

No.	年度	論文名	掲載誌名(巻、号、頁)	著者名	備考
3	11年度	N-Glycosylation is involved in the sensitivity of <i>Saccharomyces cerevisiae</i> to HM-1 killer toxin secreted from <i>Hansenula mrakii</i> IFO 0895.	Appl. Microbiol. Biotechnol., 51:176-184.	Kimura, T., Komiyama, T., Furuichi, Y., Imura, Y., Karita, S., Sakka, K., Ohmiya, K.	
4	11年度	Seqencing, expression, and transcription analysis of the <i>Clostridium paraputrificum</i> <i>chiA</i> gene encoding chitinase ChiA.	Appl. Microbiol. Biotechnol., 51:340-347.	Morimoto, K., Karita, S., Kimura, T., Sakka, K., Ohmiya, K.	若・雇
5	11年度	Chimeric β -glucosidase between <i>Cellvibrio gilvus</i> and <i>Ruminococcus albus</i> enzymes.	Brasizilian Archives of Biology and Technology, 42(3) 303-306.	Thi-Hoa, T., Singh, A., Aoyagi, C., Tokuyasu, K., Ohmiya, K., Hayashi, K.	
6	11年度	RVA1, a novel DNA-binding protein, binds to bipartite recognition sequence through two distinct DNA-binding domains uniquely found in higher plants.	Nucleic Acids Research., 27(2): 470-478.	Kagaya, Y., Ohmiya, K., Hattori, T.	
7	11年度	Cellulase complex from <i>Ruminococcus albus</i> .	Biotechnology for Sustainable Utilization of Biological Resources in the Tropics, Penang, Malasia. Vol.13, 23-35. (1999)	Ohara, H. Karita, S. Kimura, T. Sakka, K. Ohmiya, K.	
8	11年度	Measurements of concentration distributions on membrane in ultrafiltration of protein solutions	Proceedings of the 5th Korea-Japan Symposium on Separation Technology, Seoul (Korea), pp. 1039-1042 (1999)	E. Iritani Y. Mukai E. Hagihara	
9	11年度	Simultaneous operations of concentration and separation of binary protein mixtures with superabsorbent hydrogels	Proceedings of the 5th Korea-Japan Symposium on Separation Technology, Seoul (Korea), pp. 1087-1090 (1999)	E. Iritani Y. Mukai C. Ueki	
10	11年度	Concentration and fractionation of protein mixtures by membrane filtration	Proceedings of the 5th Korea-Japan Symposium on Separation Technology, Seoul (Korea), pp. 1091-1094 (1999)	Y. Mukai E. Iritani	若
11	11年度	Dynamic behaviors of filtrate flux and solute rejection in protein ultrafiltration	Proceedings of the 8th APCChE (Asian Pacific Confederation of Chemical Engineering) Congress, Vol.1, Seoul (Korea), pp. 259-262 (1999)	Y. Mukai E. Iritani	若
12	11年度	Dynamic behaviors of protein layer accumulated on membrane in dead-end ultrafiltration	Proceedings of the 8th APCChE (Asian Pacific Confederation of Chemical Engineering) Congress, Vol.2, Seoul (Korea), pp. 1061-1064 (1999)	E. Iritani Y. Mukai E. Hagihara	
13	12年度	Analysis of the promoter activity of the <i>taka</i> -amylase gene and the phosphoglycerate kinase gene in a <i>Shoyu-koji</i> Mold <i>Aspergillus oryzae</i> KBN616.	Food Scie. Technol. Res. 6(1): 44-47	Kimura, T. Makino T. Aburatani, T. Karita, S. Sakka, K. Ohmiya, K.	

No.	年度	論文名	掲載誌名 (巻、号、頁)	著者名	備考
15	12年度	Oxidative Steam Reforming of Methanol over CuZnAl(Zr)-Oxide Catalysts for the Selective Production of Hydrogen for Fuel Cells : Catalyst Characterization and Performance Evaluation	Journal of Catalysis, Vol. 194, pp. 373-384	S. Velu K. Suzuki S. Okazaki M. P. Capoor T. Osaki F. Ohashi	
16	12年度	Hydrogen gas production from N-acetyl-D-glucosamine (GlcNAc) by Clostridium paraputrificum.	Biotechnology for Sustainable Utilization of Biological Resources in the Tropics. Vol. 14, 271-282.	Evvyernie, D. Yamazaki, S. Morimoto, K. Karita, S., Kimura, T. Sakka, K., Ohmiya, K.	
17	12年度	Properties of filter cake in filtration of binary mixtures	Proceedings of World Filtration Congress 8, Vol. 1, Brighton (UK), pp. 21-24 (2000)	E. Iritani Y. Mukai Y. Toyoda	
18	13年度	Measurements and evaluation of concentration distributions in filter cake formed in dead-end ultrafiltration of protein solutions	Chem. Eng. Sci., 57(1), 53-62 (2002)	E. Iritani Y. Mukai E. Hagihara	
19	13年度	The multidomain xylanase Xyn10B as a cellulase-binding protein in Clostridium sterocorarium.	FEMS Microbiology Letters 198: 79-83	Ali, M. K. Kimura, T. Sakka, K. Ohmiya, K.	
20	13年度	A second pectin lyase gene (pel2) from Aspergillus oryzae KBN616: Its sequence analysis and overexpression and characterization of the gene products.	J. Biosci. Bioeng, 91(4): 378-381 (2001)	Kitamoto, N. Yoshino-Yasuda, S. Ohmiya, K. Tukagoshi, N.	
21	13年度	Evaluation of Blocking Resistance of Microfiltration Membrane during Cake Filtration of Dilute Latex Suspension	Proceedings of 6th World Congress of Chemical Engineering, Melbourne (Australia), CD-ROM (2001)	Y. Mukai, T. Kawakami E. Iritani	若
22	13年度	Analysis of Cake Formation and Pore Blocking in Microfiltration of Secondary Municipal Wastewater	Proceedings of 6th World Congress of Chemical Engineering, Melbourne (Australia), CD-ROM (2001)	Than Ohn, M. S. Jami, Y. Mukai and E. Iritani	雇
23	13年度	Characteristics of the filter cake formed in micro- and ultrafiltration of binary mixtures	Proceedings of 6th World Congress of Chemical Engineering, Melbourne (Australia), CD-ROM (2001)	E. Iritani Y. Mukai S. Yamaguchi	
24	14年度	A Novel β -N-Acetylglucosaminidase of Clostridium paraputrificum M-21 with High Activity on Chitobiose	Applied Microbiology and Biotechnology, 60(4), 420-427 (2002)	H. Li, K. Morimoto, N. Katagiri, T. Kimura, K. Sakka, K. Ohmiya,	
25	14年度	Dynamic Behaviors of Constant Rate Microfiltration with Cyclic Backwashing in purification of Sewage Secondary Effluent	Proceedings of 2002 Symposium of Transport Phenomena and Applications / Solid-Liquid Separation Forum, Taipei (Taiwan), K17-K20 (2002)	E. Iritani	

No.	年度	論文名	掲載誌名(巻、号、頁)	著者名	備考
26	14年度	Internal Structure of Filter Cake in Protein Ultrafiltration	Proceedings of the 4th World Congress on Particle Technology, Sydney (Australia), CD-ROM (2002)	E. Iritani Y. Mukai	
27	14年度	Purification of Secondary Municipal Wastewater by Micro-filtration using Ceramic Membrane	Proceedings of the 9th APCCHE (Asian Pacific Confederation of Chemical Engineering) Congress, Christchurch (New Zealand), CD-ROM (2002)	Than Ohn, Eiji Iritani, Mohammed S. Jami, Yasuhito Mukai, Nobuyuki Katagiri	雇
28	14年度	Filtration Behaviors in Constant Rate Microfiltration with Cyclic Backwashing of Coagulated Sewage Secondary Effluent	Separation Science and Technology, 38(4), 947-962 (2003)	T. Ohn M. S. Jami E. Iritani Y. Mukai N. Katagiri	雇
29	15年度	Consolidation Behaviour of Gel Emulsion Cake in the Filtration of O/W Emulsions with and without Solid Particles	Filtration, 4(2), 124-129 (2004)	Iritani, E., Y. Mukai, N. Katagiri and I. Yoshii	
30	15年度	Properties of Filter Cake in Membrane Filtration of Binary Mixtures	Fluid/Particle Sep. J., 15(1), 1-7, 2003	E. Iritani, Y. Mukai K. Ohmori	
31	15年度	Advances in Nature-Guided Materials Processing	Sci. Technol. Adv. Mater., 4, 421-433 (2003)	S. Asai, K. Koumoto, Y. Matsushita, E. Yashima, M. Morinaga, K. Takeda, E. Iritani, T. Tagawa, M. Tanahashi K. Miyazawa	
32	15年度	Ultrafiltration Behavior of Corynebacterium Glutamicum Slurry Containing Bovine Serum Albumin	Proc. of Filtech Europa 2003, Vol. II, Dusseldorf (Germany), 314-321 (2003)	K. Ohmori, E. Iritani	若
33	15年度	Consolidation Behaviors of Gel Emulsion Cake in Filtration of O/W Emulsions with or without Solid Particles	Proc. of Filtech Europa 2003, Vol. II, Dusseldorf (Germany), 358-365 (2003)	E. Iritani, Y. Mukai, N. Katagiri, I. Yoshii	
34	15年度	Dynamic Behaviors in Membrane Filtration of Fine Particle/Macromolecule Mixtures	Proc. of Filtech Europa 2003, Vol. II, Dusseldorf (Germany), 535-541 (2003)	Y. Mukai, E. Iritani	若
35	15年度	Purification of Coagulated Sewage Secondary Effluent by Microfiltration with Combined System of Physical and Chemically Enhanced Backwashing	Proc. of Filtech Europa 2003, Vol. II, Dusseldorf (Germany), 549-556 (2003)	Than Ohn, M. S. Jami, E. Iritani, Y. Mukai N. Katagiri	雇
36	16年度	Fouling Behaviors in Membrane Filtration of Mixtures of Cells and Protein	Proceeding of the NAMS (North American Membrane Society) 2004, Honolulu (USA), CD-ROM (2004)	E. Iritani, K. Ohmori	
37	16年度	Filtration and Consolidation Properties of Oil-in-Water Emulsions	Proceedings of the 9th World Filtration Congress, New Orleans (USA), CD-ROM (2004)	E. Iritani, Y. Mukai, N. Katagiri, S. Matsumoto	

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38	16年度	Electrokinetic Remediation of Consolidated Bentonite Cake Contaminated with Zinc Ion	Proceedings of the 9th World Filtration Congress, New Orleans (USA), CD-ROM (2004)	N. Katagiri, K. Hayashi, E. Iritani,	若
39	16年度	Effect of Addition of Bovine Serum Albumin on Ultrafiltration of Corynebacterium Glutamicum Slurry	Proceedings of the 9th World Filtration Congress, New Orleans (USA), CD-ROM (2004)	Ohmori, K. E. Iritani	若
40	16年度	Prevention of Membrane Fouling by High-Efficient Microfiltration Accompanied with Cyclic Backwashing	Proceedings of the 9th World Filtration Congress, New Orleans (USA), CD-ROM (2004)	M. S. Jami, E. Iritani, T. Ohn	
41	16年度	Analysis of Constant Rate and Constant Pressure Microfiltration with Cyclic Backwashing	Proceedings of the 10th APCCHE (Asian Pacific Confederation of Chemical Engineering) Congress, Kitakyshu (Japan), CD-ROM (2004)	Mohammed S. Jami, Than Ohn, Eiji Iritani	
42	16年度	Application of Microfiltration with Ceramic Membrane to Purification of Coagulated Sewage Secondary Effluent	Proceedings of the 10th APCCHE (Asian Pacific Confederation of Chemical Engineering) Congress, Kitakyshu (Japan), CD-ROM (2004)	Than Ohn, Mohammed S. Jami, Eiji Iritani	雇
43	16年度	Flux Decline Behaviors on Ultrafiltration of Slurry of Microorganism/BSA Mixtures	Proceedings of the 10th APCCHE (Asian Pacific Confederation of Chemical Engineering) Congress, Kitakyshu (Japan), CD-ROM (2004)	Kazushige Ohmori, Eiji Iritani	若
44	16年度	Remediation of Consolidated Soil Contaminated with Zn by Electrokinetic Method Accompanying with Ion Exchange Reaction	Proceedings of the 10th APCCHE (Asian Pacific Confederation of Chemical Engineering) Congress, Kitakyshu (Japan), CD-ROM (2004)	Kazuhiko Hayashi, Nobuyuki Katagiri, Eiji Iritani	若
45	16年度	Evaluation of Solid-Liquid Separation Properties Based on Characteristics of Activated Sludge	Proceedings of the 10th APCCHE (Asian Pacific Confederation of Chemical Engineering) Congress, Kitakyshu (Japan), CD-ROM (2004)	Nobuyuki Katagiri, Tetsutaka Sengoku, Eiji Iritani, Itaru Sakai, Shohei Fukada	若
46	16年度	Osmotic Dewatering of Difficult-to-Filter Slurry by Use of Hypertonic Polymer Solution	Proceedings of the 10th APCCHE (Asian Pacific Confederation of Chemical Engineering) Congress, Kitakyshu (Japan), CD-ROM (2004)	Nobuyuki Katagiri, Hiroshi Tsuchiya, Eiji Iritani, Masashi Iwata	若
47	16年度	Expression and Expansion Behaviors of Granular Bed of Swelled Superabsorbent Hydrogels	Proceedings of the 10th APCCHE (Asian Pacific Confederation of Chemical Engineering) Congress, Kitakyshu (Japan), CD-ROM (2004)	Eiji Iritani, Nobuyuki Katagiri, Hirotoshi Hayashi	
48	16年度	Filtration Behaviors in Ultra- and Microfiltration of Fine Particle/Macromolecule Mixtures	Proceedings of the 10th APCCHE (Asian Pacific Confederation of Chemical Engineering) Congress, Kitakyshu (Japan), CD-ROM (2004)	Yasuhito Mukai, Eiji Iritani	若

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49	16年度	Filtration Properties of Amino Acid Crystals Produced by Anti-Solvent Crystallization	Proceedings of the 10th APCCChE (Asian Pacific Confederation of Chemical Engineering) Congress, Kitakyshu (Japan), CD-ROM (2004)	Yasuhito Mukai, Yosuke Tsuchiya, Eiji Iritani	若
50	16年度	Properties of Filter Cake Formed in Microfiltration of Dilute Latex Suspension	Proceedings of the 10th APCCChE (Asian Pacific Confederation of Chemical Engineering) Congress, Kitakyshu (Japan), CD-ROM (2004)	Masaya Furuta, Yasuhito Mukai, Eiji Iritani	若

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No	年度	論文名	掲載誌名(巻、号、頁)	著者名	備考
1	13年度	Hydrometallurgical recovery of Heavy metals from ashes of automobile tire wastes	Proceedings of the 6th World Congress of Chemical Engineering (2001)	木下武彦	
2	16年度	Chlorination Volatilization Process for Removing Heavy Metals from Inorganic Wastes	Proceedings of the Global Symposium on Recycling, Waste Treatment and Clean Technology, 2004	V. Montenegro, K. Saguchi, H. Sano, T. Fujisawa	若
3	16年度	Harmlessness Treatment by Stable Mineralization of Inorganic Waste Containing Harmful Components	Proceedings of the Global Symposium on Recycling, Waste Treatment and Clean Technology, 2004	H. Sano, M. Yamade, T. Fujisawa	若

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No.	年度	論文名	掲載誌名(巻、号、頁)	著者名	備考
1	14年度	Distinguishing foliage from branches in nondestructive measurement of the 3-dimensional structure of mountainous forest canopies.	The Forestry Chronicle. 79 (2), 313-317(2003)	Tanaka, T, Park, H. T., Hattori, S.	雇
2	16年度	Measurement of forest canopy structure by a laser plane range-finding method-Improvement of radiative resolution and examples of its application.	Agriculture and Forest Meteorology (印刷中)	Tanaka, T, Park, H. T., Hattori, S.	雇
3	16年度	Modeling scalar and heat sources, sinks and fluxes within a forest canopy during and after rainfall events.	Journal of Geophysical Research(印刷中)	Park, H. T., Hattori, S.	雇
4	16年度	Spatial distribution of soil structure in a suburban forest catchment and its effect on spatio-temporal soil moisture and runoff fluctuations.	Journal of Hydrology (投稿中)	Maeda, K, Tanaka, T, Park, H. T., Hattori, S.	雇
5	16年度	The influences of the seasonal change in canopy structure on interception loss-Application of the revised Gash model.	Journal of Hydrology (投稿中)	Deguchi, A, Hattori, S, Park, H. T.	雇

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No.	年度	論文名	掲載誌名(巻、号、頁)	著者名	備考
1	11年度	Concepts and methodologies to minimize pollutant discharge for zero-emission production	Water Science and Technology, 39(10-11), 9-16	Hu, H.-Y., N. Goto, K. Fujie	
2	12年度	Statistical analyses of operating conditions and power consumption characteristics in small-scale conventional activated sludge plants for sewage treatment	Environmental Technology, 21, 1167-1172, 2000	Hong-Ying Hu, Naohiro Goto, Koichi Fujie	
3	13年度	Modelling a Global Biogeochemical Nitrogen Cycle in Terrestrial Ecosystems	Water Science and Technology, 135, 89-110	Lin, B-L, Sakoda, A., Shibasaki, R, Goto, N., Suzuki, M	若
4	13年度	Analysis of material and energy consumption flow in sewage treatment facility in Japan	Environmental Technology, 22, 487-496	Goto N, H.-Y. Hu, Lim B.-R., K. Fujie	若
5	16年度	Creation of a recycling-based society optimized on regional material and energy flow	Energy, in press, 2004	Goto N., T. Tabata, K. Fujie, T. Usui	