

Bibliography

Prof. Tsuyoshi FUJITA

Professor Tsuyoshi Fujita is a Professor of the Graduate School of Engineering, the University of Tokyo and he is currently a Chair Professor of the Department of Urban Engineering. He is a former Director of Social Environmental Systems Research Center, National Institute for Environmental Studies (NIES), Japan. He is also currently an Appointed Professor of Tokyo Institute of Technology in the field of applied energy. His research fields are eco industrial development, carbon neutral city, urban environment simulation system, circular economy planning and spatial LCA, where he has published as many as 200 journal papers. He is engaged in several national research projects to develop integrative urban technology and policy simulation system for Japanese and Asian cities and regions.

He is a member of the National Council SDGs Future City Initiative and Eco-model City Promotion of Japan. He is also engaged in academic positions such as a counselor of the International Society of Industrial Ecology, Chair of Editorial Board, Journal of Environmental Systems Research, Japan Society of Civil Engineering. He received a Doctor of Engineering degree from the University of Tokyo in 1997 as well as a MCP (Master of City Planning) degree from the University of Pennsylvania in 1991. He was formerly an Associate Professor in Osaka University and a Professor in Toyo University after working in the construction company as an urban planner for ten years before moving to the NIES in 2006.



Bio-data of Professor FUJITA, Tsuyoshi

PERSONAL INFORMATION

Date of Birth: October 25th, 1961

CURRENT POSITION

- Professor, the Graduate School of Engineering, the University of Tokyo
- Principle Researcher, Institute for Environmental Studies, JAPAN
- Appointed Professor of Tokyo Institute of Technology, the Advanced Energy International Systems Research Center

EDUCATION

Bachelor of Engineering (Tokyo University, Japan) in urban engineering in (1984)
Doctor in Engineering from Tokyo University; Urban Engineering (1997)
Master of City Planning, Graduate School of Fine Arts, the University of Pennsylvania (1991)
Doctor of Engineering (Tokyo University) in 1997, dissertation entitled “Analysis of the Value of Characteristics Environmental Goods and Services Based on the Hedonic Price Method”

WORK EXPERIENCE

- Consultant from 1984-1994, in city and regional planning and construction management as a researcher and a chief researcher at Taisei Corporation in Tokyo.
- Assistant professor from 1994, in the Department of Environmental Engineering, Osaka University, Japan
- Associate professor from 1998, in the Department of Environmental Engineering, Graduate School of Engineering, Osaka University, Japan.
- Professor from 2003, in the Department of Environmental Planning and Management, Faculty of Engineering, Toyo University, Japan.
- Research Project sub-leader of “Sustainable Eco-system of Tokyo Bay Catchments and Policy Evaluation which Promotes Urban Regenerations” officially sponsored by the Ministry of Japan, from 2002-2005. The project is collaborated with Millennium Eco-Assessment by UNEP.
- Head Researcher from 2005 to 2011, of Water Quality Management Research Section, National Institute for Environmental Studies, Japan
- Head Researcher from 2011-2014, of Eco City System Research Section, National Institute Environmental Studies.
- Program Leader of Fukushima Eco Creation Research Program, NIES
- Director of Social Environmental System Research Center, from 2014-2020, National Institute for Environmental Science
- Program Leader of Integration Research Program of NIES and Program Leader from 2015-

2020.

SELECTED SOCIAL RESPONSIBILITIES: government and business

- Member of National Social Infrastructure Development Council, the Ministry of Infrastructure, Land and Transport, 2018-
- Member of Municipal SDGs Promotion Evaluation and Survey Research Committee, National Cabinet Administration Office 2017-
- Member of Indicators for fifth National Environmental Basic Plan , Ministry of Environment 2015-2020
- Member of Building LCA Evaluation, Ministry of Infrastructure, Land and Transport, 2020-
- Member of Innovative Town Planning Competition Review Committee, Ministry of Infrastructure, Land and Transport, 2016-
- Member of National General Enterprise Zone Committee, National Cabinet Administration Office, 2012--
- Chair of Eco town and circular region research committee, Ministry of Environment 2008-2017
- Chair of LCA theories and application research committee, National Institute for Land and Infrastructure, 2007-
- Adviser of Nonprofit Organization, Social resources reproduction meeting from 2008-
- Member of the Sub-committee of Environment Model Cities Prime Minister Cabinet Office, 2008-.
- Vice Chair and Member of Committee on National Eco-town Forum by Ministry of Economics, Technologies, and Industries(METI),2008-.
- Expert Member for Environmental Information in the National Environmental Congress, 2007-
- Chair of LCA Methodology Working, Member of environmentally friendly construction system promotion committee, Ministry of Land, Infrastructure and Transportation(MLIT),2006-.
- Committee Member for Strategic Environmental Assessment for Public Infrastructure Planning by Ministry of Land, Infrastructure and Transportation(MLIT) 2007-,2008
- Committee Member for Eco-Town Networking Policies for Ministry for Economy, Technology and Industry from 2007
- Member of Advisory committee, Research Institute of Environment, agriculture and fisheries, Osaka Prefectural Municipal Government, 2007-
- Member of business committee and Environmental society committee, Japan Project-Industry Council (JAPIC) , 2007-
- Member of Eco management and business promotion investigation advisory committee, The

Ministry of Economy, Trade and Industry, 2006.

- Member of Committee of oil industrial complex reproduction action program advisory committee by regional cluster, Mie Prefecture in 2006.
- Member of Municipal waste processing basis plan society committee, Chiba City, from 2005 to 2007
- Member of committee concerning ideal way of target and index in The Basic Environment Plan, Ministry of the Environment from 2004 to 2006
- Member of Environmental city planning society committee, the Ministry of Economy, Trade and Industry in 2005
- Chairman of Expert validating committee, Saitama Eco Stage society from 2005
- Committee Member for Green Procurement System for Public Infrastructure Planning by Ministry of Land and Transportation in 2005

SELECTED SOCIAL RESPONSIBILITIES: academic

- Vice Chair of 2021 ISIE Asia Pacific Conference Organizational Committee
- 12th ISIE Socio-Economic Metabolism Section Conference, 5th ISIE Asia-Pacific Conference Organizational Committee Member (2015)
- Chair of Environmental Systems Committee, Japan Society of Civil Engineering, 2015-2017
- Councilor of Environmental Symbiosis Society of Japan, 2013-2014
- Member of Steering Committee of United Nations University, Co-benefit City Research Project, 2010-2015
- Councilor of International Society of Industrial Ecology, 2009-2012
- Secretary General (2005-06) and Steering committee member for Environmental Systems Research, Japanese Civil Engineering Association from 1998.
- Technical committee of International Conference on Industrial Ecology in USA, 2003.
- Member of Organizing Committee and Program Committee for International Conference for Eco-balance in Tsukuba, Japan, 2002, 2004, 2006.
- Chief Editor for Journal of Global Environmental Engineering from 2003 to 2005.
- Chair of Steering Committee for Urban Reforestation Project in Amagasaki City in Osaka Metropolitan Region, Japan, from 2002.
- Committee member for Future vision of Osaka City, Japan from 2003 to 2005.
- Organizer of International Expert Workshop on EST and Sustainable Planning, supported by Ministry of Environment of Japan and Global Environmental Center Funding(GEC) from 2002
- Research Project sub-leader of “Sustainable Eco-system of Tokyo Bay Catchments and Policy Evaluation which Promotes Urban Regenerations” officially sponsored by the Ministry of Japan, from 2002-2005. The project is collaborated with Millennium Eco-Assessment by UNEP.

- International workshop member for Environmental Evaluation of Technologies organized by International Environmental Technology Center, UNEP from 2001 to 2005.
- Member of Committee on International Affairs, City Planning Association of Japan from 1993.

List of Academic Achievement

1. Refereed Papers

- (1) Wu F., Geng Y., Zhang Y., Ji C., Chen Y., Sun L., Xie W., Ali T., Fujita T. (2019) Assessing sustainability of soybean supply in China: Evidence from provincial production and trade data, *Journal of Cleaner Production*, <http://dx.doi.org/10.1016/j.jclepro.2019.119006>
- (2) Hirano Y., Ihara T., Gomi K., Fujita T. (2019) ; Simulation-Based Evaluation of the Effect of Green Roofs in Office Building Districts on Mitigating the Urban Heat Island Effect and Reducing CO₂ Emissions, *Sustainability*, 11(7) <http://dx.doi.org/10.3390/su11072055>
- (3) Chandran R., Fujita T., Fujii M., Ashina S., Gomi K., Boer R., Ardiansyah M., Maki S. (2018) Expert networks as science-policy interlocutors in the implementation of a monitoring reporting and verification (MRV) system, *Frontiers in Energy*, 1-13, <https://doi.org/10.1007/s11708-018-0559-x>
- (4) Hirano Y., Nakamura S., Gomi K., Togawa T., Fujita T., Oba M. (2018) Introduction of low-carbon community energy systems by combining information networks and cogeneration-type district heating and cooling systems, *Sustainable Air Conditioning Systems*, 99-120
- (5) Ryoko Nakano, Eric Zusman, Sudarmanto Nugroho, R.L. Kaswanto, Nurhayati Arifin, Aris Munandar, Hadi Susilo Arifin, Muchamad Muchtar, Kei Gomi, Tsuyoshi Fujita (2018) Determinants of energy savings in Indonesia: The case of LED lighting in Bogor. *Sustainable Cities and Society*, Volume 42, Pages 184-193
- (6) Yong Geng, Tsuyoshi Fujita, Anthony Chiu, Hancheng Dai, Han Hao (2018) Responding to the Paris Climate Agreement: global climate change mitigation efforts. *Frontiers in Energy*, Volume 12, Issue 3, pp 333-337 【招待論文】
- (7) 牧誠也, 藤井実, 藤田壮, 白石靖, 芦名秀一 (2018) インドネシア産業施設のエネルギー消費量計測システムとエネルギー解析モデルの開発. *土木学会論文集 G*, 74(6):II_73-II_83
- (8) Maki S., Ashina S., Fujii M., Fujita T., Yabe N., Uchida, K., Gito G., Rizaldi Boer, Chandran R. (2018) Employing electricity-consumption monitoring systems and integrative time-series analysis models: A case study in Bogor, Indonesia. *Frontiers in Energy*, 12(3):426-439
- (9) Dou Y., Okuoka K., Fujii M., Tanikawa H., Fujita T., Togawa T., Dong L. (2018) Proliferation of district heating using local energy resources through strategic building-stock management: A case study in Fukushima, Japan. *Frontiers in Energy*, 12(3):411-425
- (10) Sun L., Li Z., Fujii M., Hijioka Y., Fujita T. (2018) Carbon footprint assessment for the waste management sector: A comparative analysis of China and Japan. *Frontiers in Energy*, 12(3):400-410
- (11) Huijuan Dong, Zuoxi Liu, Yong Geng, Tsuyoshi Fujita, Minoru Fujii, Lu Sun, Liming Zhang (2018) Evaluating Environmental Performance of Industrial Park Development: The Case of Shenyang. *Journal of Industrial Ecology*, Version of record online: 23 January 2018, DOI:10.1111/jiec.12724
- (12) Hyeong-Woo Kim, Liang Dong, Angelo Earvin Sy Choi, Minoru Fujii, Tsuyoshi Fujita, Hung-Suck Park (2017) Co-benefit potential of industrial and urban symbiosis using waste heat from industrial park in Ulsan, Korea. *Resources, Conservation and Recycling*, Available online 9 October 2017, <http://dx.doi.org/10.1016/j.resconrec.2017.09.027>
- (13) Hyeong-Woo Kim, Satoshi Ohnishi, Minoru Fujii, Tsuyoshi Fujita, Hung-Suck Park (2017) Evaluation and Allocation of Greenhouse Gas Reductions in Industrial Symbiosis. *Journal of Industrial Ecology*, Version of Record online: 28 JAN 2017, DOI: 10.1111/jiec.12539
- (14) Yi Dou, Takuya Togawa, Liang Dong, Minoru Fujii, Satoshi Ohnishi, Hiroki Tanikawa, Tsuyoshi Fujita (2018) Innovative planning and evaluation system for district heating using waste heat considering spatial configuration: A case in Fukushima, Japan.

- Resources, Conservation and Recycling, 128, 406-416
- (15) Yi Dou, Satoshi Ohnishi, Minoru Fujii, Takuya Togawa, Tsuyoshi Fujita, Hiroki Tanikawa, Liang Dong (2018) Feasibility of Developing Heat Exchange Network between Incineration Facilities and Industries in Cities: Case of Tokyo Metropolitan Area. *Journal of Cleaner Production* 170, 548-558
 - (16) Satoshi Ohnishi, Minoru Fujii, Makoto Ohata, Inaba Rokuta, Tsuyoshi Fujita (2018) Efficient energy recovery through a combination of waste-to-energy systems for a low-carbon city. *Resources, Conservation and Recycling*, 128, 394-405
 - (17) Yi Dou, Minoru Fujii, Tsuyoshi Fujita, Kei Gomi, Seiya Maki, Hiroki Tanikawa (2017) Potential of Waste Heat Exchange Considering Industrial Location Changes: A Case of Shinchi-Soma Region in Fukushima, Japan. *土木学会論文集 G(環境) (環境システム論文集 45)*
 - (18) Huijuan Dong, Hancheng Dai, Yong Geng, Tsuyoshi Fujita, Zhe Liu, Yang Xie, Rui Wu, Minoru Fujii, Toshihiko Masui, Liang Tang (2017) Exploring impact of carbon tax on China's CO₂ reductions and provincial disparities. *Renewable and Sustainable Energy Reviews*, 77, 596-603
 - (19) Yujiro Hirano, Kei Gomi, Shogo Nakamura, Yukiko Yoshida, Daisuke Narumi, Tsuyoshi Fujita (2017) Analysis of the impact of regional temperature pattern on the energy consumption in the commercial sector in Japan. *Energy and Buildings*, 149, 160-170
 - (20) Xu Tian, Hancheng Dai, Yong Geng, Zhen Huang, Toshihiko Masui, Tsuyoshi Fujita (2017) The effects of carbon reduction on sectoral competitiveness in China: A case of Shanghai. *Applied Energy*, 197, 270-278
 - (21) Qinghua Zhu, Ying Qu, Yong Geng, Tsuyoshi Fujita (2017) A Comparison of Regulatory Awareness and Green Supply Chain Management Practices Among Chinese and Japanese Manufacturers. *Business Strategy and the Environment*, 26(1), 18-30
 - (22) Satoshi Ohnishi, Huijuan Dong, Yong Geng, Minoru Fujii, Tsuyoshi Fujita (2017) A comprehensive evaluation on industrial & urban symbiosis by combining MFA, carbon footprint and emergy methods—Case of Kawasaki, Japan. *Ecological Indicators*, 73, 513-524
 - (23) Xiaoman Yu, Yong Geng, Huijuan Dong, Tsuyoshi Fujita, Zhe Liu (2016) Emergy-based sustainability assessment on natural resource utilization in 30 Chinese provinces. *Journal of Cleaner Production*, 133, 18-27
 - (24) Xu Tian, Yong Geng, Hancheng Dai, Tsuyoshi Fujita, Rui Wu, Zhe Liu, Toshihiko Masui, Xie Yang (2016) The effects of household consumption pattern on regional development: A case study of Shanghai. *Energy*, 103, 49-60
 - (25) Yujiro Hirano, Tsuyoshi Fujita (2016) Simulating the CO₂ reduction caused by decreasing the air conditioning load in an urban area. *Energy and Buildings*, 114, 87-95
 - (26) Yong Geng, Tsuyoshi Fujita, Hung-suck Park, Anthony S.F. Chiu, Donald Huisinigh (2016) Recent progress on innovative eco-industrial development. *Journal of Cleaner Production*, 114, 1-10 【招待論文】
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 - (28) Satoshi Ohnishi, Minoru Fujii, Tsuyoshi Fujita, Toru Matsumoto, Liang Dong, Hiroyuki Akiyama, Dong Huijuan (2016) Comparative analysis of recycling industry development in Japan following the Eco-Town program for eco-industrial development. *Journal of Cleaner Production*, 114, 95-102
 - (29) Zhe Liu, Yong Geng, Hung-Suck Park, Huijuan Dong, Liang Dong, Tsuyoshi Fujita (2016) An emergy-based hybrid method for assessing industrial symbiosis of an industrial park. *Journal of Cleaner Production*, 114, 132-140
 - (30) Zhe Liu, Yong Geng, Sergio Ulgiati, Hung-Suck Park, Fujita Tsuyoshi, Hui Wang (2016) Uncovering key factors influencing one industrial park's sustainability: a combined evaluation method of emergy analysis and index decomposition analysis. *Journal of*

- Cleaner Production, 114, 141-149
- (31) Liming Zhang, Yong Geng, Huijuan Dong, Yongguang Zhong, Tsuyoshi Fujita, Bing Xue, Hung-suck Park (2016) Emergy-based assessment on the brownfield redevelopment of one old industrial area: a case of Tiexi in China. *Journal of Cleaner Production*, 114, 150-159
 - (32) Lu Sun, Huijuan Dong, Yong Geng, Zhaoling Li, Zhe Liu, Tsuyoshi Fujita, Satoshi Ohnishi, Minoru Fujii (2016) Uncovering driving forces on urban metabolism—A case of Shenyang. *Journal of Cleaner Production*, 114, 171-179
 - (33) Takuya Togawa, Tsuyoshi Fujita, Liang Dong, Satoshi Ohnishi, Minoru Fujii (2016) Integrating GIS databases and ICT applications for the design of energy circulation systems. *Journal of Cleaner Production*, 114, 224-232
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 - (36) Xu Tian, Yong Geng, Huijuan Dong, Liang Dong, Tsuyoshi Fujita, Yutao Wang, Hongyan Zhao, Rui Wu, Zhe Liu, Lu Sun (2016) Regional household carbon footprint in China: A case of Liaoning province. *Journal of Cleaner Production*, 114, 401-411
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 - (39) Huijuan Dong, Tsuyoshi Fujita, Yong Geng, Liang Dong, Satoshi Ohnishi, Lu Sun, Yi Dou, Minoru Fujii (2016) A review on eco-city evaluation methods and highlights for integration. *Ecological Indicators*, 60, 1184-1191
 - (40) Huijuan Dong, Hancheng Dai, Liang Dong, Tsuyoshi Fujita, Yong Geng, Zbigniew Klimont, Tsuyoshi Inoue, Shintaro Bunya, Minoru Fujii, Toshihiko Masui (2015) Pursuing air pollutant co-benefits of CO₂ mitigation in China: A provincial leveled analysis. *Applied Energy*, 144, 165-174
 - (41) Liang Dong, Huijuan Dong, Tsuyoshi Fujita, Yong Geng, Minoru Fujii (2015) Cost-effectiveness analysis of China's Sulfur dioxide control strategy at the regional level: regional disparity, inequity and future challenges. *Journal of Cleaner Production*, 90, 345-359
 - (42) Tomohiro Okadera, Yong Geng, Tsuyoshi Fujita, Huijuan Dong, Zhu Liu, Noboru Yoshida, Takaaki Kanazawa (2015) Evaluating the water footprint of the energy supply of Liaoning Province, China: A regional input-output analysis approach. *Energy Policy*, 78, 148-157
 - (43) Makoto Ooba, Kiichiro Hayashi, Minoru Fujii, Tsuyoshi Fujita, Takashi Machimura, Takanori Matsui ; A long-term assessment of ecological-economic sustainability of woody biomass production in Japan, *Journal of Cleaner Production*, Vol.88, pp.318-325, 1 February 2015
 - (44) Wanxia Ren, Yong Geng, Zhixiao Ma, Lina Sun, Bing Xue, Tsuyoshi Fujita(2015) ; Reconsidering brownfield redevelopment strategy in China' s old industrial zone: a health risk assessment of heavy metal contamination, *Environmental Science and Pollution Research*, Vol.22(4), pp.2765-2775, 1
 - (45) Bing Xue, Zhixiao Ma, Yong Geng, Peter Heck, Wanxia Ren, Mario Tobias, Achim Maas, Ping Jiang, Jose A. Puppim de Oliveira, Tsuyoshi Fujita(2015) ; A life cycle co-benefits

- assessment of wind power in China, *Renewable and Sustainable Energy Reviews*, Vol.41, pp.338-346
- (46) Yong Geng, Zuoxi Liu, Bing Xue, Huijuan Dong, Tsuyoshi Fujita, Anthony Chiu ;
Emergy-based assessment on industrial symbiosis: a case of Shenyang Economic and
Technological Development Zone, *Environmental Science and Pollution Research*,
Vol.21(23), pp.13572-13587, December 2014
 - (47) Huijuan Dong, Yong Geng, Tsuyoshi Fujita, Minoru Fujii, Dong Hao, Xiaoman Yu ;
Uncovering regional disparity of China's water footprint and inter-provincial virtual
water flows, *Science of The Total Environment*, Vol.500-501, pp.120-130, 1 December
2014
 - (48) Takashi Onodera, Wilasinee Yoochatchaval, Haruhiko Sumino, Motoyuki Mizuochi,
Tomohiro Okadera, Tsuyoshi Fujita, Pathan Banjongproo, Kazuaki Syutsubo ; Pilot-
scale experiment of down-flow hanging sponge for direct treatment of low-strength
municipal wastewater in Bangkok, Thailand, *Bioprocess and Biosystems Engineering*,
Vol.37(11), pp.2281-2287, November 2014
 - (49) Takuya Togawa, Tsuyoshi Fujita, Liang Dong, Minoru Fujii, Makoto Ooba ; Feasibility
assessment of the use of power plant-sourced waste heat for plant factory heating
considering spatial configuration, *Journal of Cleaner Production*, Vol.81, pp.60-69, 15
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 - (50) Minoru Fujii, Tsuyoshi Fujita, Satoshi Ohnishi, Naohisa Yamaguchi, Yong Geng,
Hung-Suck Park ; Regional and temporal simulation of a smart recycling system for
municipal organic solid wastes, *Journal of Cleaner Production*, Vol.78, pp.208-215, 1
September 2014
 - (51) Yong Geng, Meiling Wang, Joseph Sarkis, Bing Xue, Lin Zhang, Tsuyoshi Fujita,
Xiaoman Yu, Wanxia Ren, Liming Zhang, Huijuan Dong ; Spatial-temporal patterns and
driving factors for industrial wastewater emission in China, *Journal of Cleaner
Production*, Vol.76, pp.116-124, 1 August 2014
 - (52) Yong Geng, Liming Zhang, Xudong Chen, Bing Xue, Tsuyoshi Fujita, Huijuan Dong ;
Urban ecological footprint analysis: a comparative study between Shenyang in China
and Kawasaki in Japan, *Journal of Cleaner Production*, Vol. 75, pp.130-142, 15 July,
2014
 - (53) Huijuan Dong, Yong Geng, Tsuyoshi Fujita, David A. Jacques ; Three accounts for
regional carbon emissions from both fossil energy consumption and industrial process,
Energy, Vol.67, pp.276-283, 01 April, 2014
 - (54) Bing Xue, Bruce Mitchell, Yong Geng, Wanxia Ren, Katrin Müller, Zhixiao Ma, Jose A.
Puppim de Oliveira, Tsuyoshi Fujita, Mario Tobias ; A review on China's pollutant
emissions reduction assessment, *Ecological Indicators*, Vol.38, pp.272-278, March 2014
 - (55) Xudong Chen, Tsuyoshi Fujita, Yoshitsugu Hayashi, Hirokazu Kato, Yong Geng ;
Determining optimal resource recycling boundary at regional level: A case study on
Tokyo Metropolitan Area in Japan, *European Journal of Operational Research*,
Vol.233(2), pp.337-348, 01 March 2014
 - (56) Liang Dong, Fumei Gu, Tsuyoshi Fujita, Yoshitsugu Hayashi, Jie Gao ; Uncovering
opportunity of low-carbon city promotion with industrial system innovation: Case study
on industrial symbiosis projects in China, *Energy Policy*, Vol.65, pp.388-397, February
2014
 - (57) Huijuan Dong, Satoshi Ohnishi, Tsuyoshi Fujita, Yong Geng, Minoru Fujii, Liang
Dong ; Achieving carbon emission reduction through industrial & urban symbiosis: A
case of Kawasaki, *Energy*, Vol.64, pp.277-286, 1 January 2014
 - (58) Yong Geng, Kebin Liu, Bing Xue, Tsuyoshi Fujita ; Creating a “green university” in
China: A case of Shenyang University, *Journal of Cleaner Production*, Vol.61, pp.13-19,
15 December 2013,
 - (59) Dong Liang, Zhang Hui, Fujita Tsuyoshi, Ohnishi Satoshi, Li Huiquan, Fujii Minoru,
Dong Huijuan ; Environmental and economic gains of industrial symbiosis for Chinese
iron/steel industry: Kawasaki’ s experience and practice in Liuzhou and Jinan, *Journal*

- of Cleaner Production, Vol.59, pp.226-238, 15 November 2013
- (60) Yong Geng, M.A. Zhixiao, Bing Xue, Wanxia Ren, Zhe Liu, Tsuyoshi Fujita ; Co-benefit evaluation for urban public transportation sector- A Case of Shenyang, China, Journal of Cleaner Production, Vol.58, pp.82-91, 01 November 2013
 - (61) Momoe Kanada, Tsuyoshi Fujita, Minoru Fujii, Satoshi Ohnishi ; The long-term impacts of air pollution control policy: Historical links between municipal actions and industrial energy efficiency in Kawasaki City, Japan, Journal of Cleaner Production, Vol.58, pp.92-101, 01 November 2013
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 - (63) Momoe Kanada, Liang Dong, Tsuyoshi Fujita, Minoru Fujii, Tsuyoshi Inoue, Yujiro Hirano, Takuya Togawa, Yong Geng ; Regional disparity and cost-effective SO₂ pollution control in China: A case study in 5 mega-cities, Energy Policy, Vol.61, pp.1322-1331, October 2013
 - (64) Hui Zhanga, Liang Dong, Huiquan Li, Tsuyoshi Fujita, Satoshi Ohnishi, Qing Tang ; Analysis of low-carbon industrial symbiosis technology for carbon mitigation in a Chinese iron/steel industrial park: A case study with carbon flow analysis, Energy Policy, Vol.61, pp.1400-1411, October 2013
 - (65) 吉田登, Yiqi Wu, 金澤孝彰, 山本祐吾, 藤田壮, 岡智大, Geng Yong ; Multi-Regional Carbon Footprint Reduction in Steel Sector in China due to Low Carbon Technology Implementation, 土木学会論文集 G(環境), 環境システム論文集, Vol.41, 1019, 2013
 - (66) Yong Geng, Hongyan Zhao, Zhu Liu, Bing Xue, Tsuyoshi Fujita, Fengming Xi ; Exploring driving factors of energy-related CO₂ emissions in Chinese provinces: A case of Liaoning , Energy Policy, Vol.60, pp.820-826, September 2013
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 - (68) Zhixiao Ma, Bing Xue, Yong Geng, Wanxia Ren, Tsuyoshi Fujita, Zilong Zhang, Jose Puppim de Oliverira, David A. Jacques, Fengming Xi ; Co-benefits analysis on climate change and environmental effects of wind-power: A case study from Xinjiang, China, Renewable Energy, Vol.57, pp.35-42, September 2013
 - (69) Hui Zhang, Liang Dong, Hui-quan Li, Bo Chen, Qing Tang, Tsuyoshi Fujita ; Investigation of the residual heat recovery and carbon emission mitigation potential in a Chinese steelmaking plant: A hybrid material/energy flow analysis case study, Sustainable Energy Technologies and Assessments, Vol.2, pp.67-80, June 2013
 - (70) Huijuan Dong, Yong Geng, Fengming Xi, Tsuyoshi Fujita ; Carbon footprint evaluation at industrial park level: A hybrid life cycle assessment approach, Energy Policy, Vol.57, pp.298-307, June 2013
 - (71) Xudong Chen, Tsuyoshi Fujita, Yoshitsugu Hayashi, Hirokazu Kato, Yong Geng ; Determining optimal resource recycling boundary at regional level: A case study on Tokyo Metropolitan Area in Japan, European Journal of Operational Research, Available online 19 February 2013, <http://dx.doi.org/10.1016/j.ejor.2013.01.054>
 - (72) Huijuan Dong, Yong Geng, Joseph Sarkis, Tsuyoshi Fujita, Tomohiro Okadera, Bing Xue ; Regional water footprint evaluation in China: A case of Liaoning, Science of The Total Environment, Vol.442, pp.215-224, 01 January 2013
 - (73) Makoto Ooba, Tsuyoshi Fujita, Motoyuki Mizuochi, Minoru Fujii, Takashi Machimura, Takanori Matsui ; Sustainable Use of Regional Wood Biomass in Kushida River Basin, Japan, Waste and Biomass Valorization, Vol.3, (4), pp.425-433, December 2012
 - (74) Wan-xia Ren, Yong Geng, Bing Xue, Tsuyoshi Fujita, Zhi-xiao Ma, Ping Jiang ; Pursuing co-benefits in China' s old industrial base: a Case of Shenyang, Urban Climate, Vol.1, pp.55-64, November 2012
 - (75) Yong Geng, Kebin Liu, Bing Xue, Tsuyoshi Fujita ; Creating a “green university” in

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