Date of documentation: yyyy/mm/dd

Tatsuya Shibaura

List of Research Achievements

（Blue text indicates notes and examples. Please delete when you submit.）

（Please list in order from the most recent (year in western style) for papers, books, awards, patents, receipt of reserch funding from external organizations, oral presentation, etc.)

Papers submitted to peer-reviewed journals

（Total Number: 〇papers、of which papers as first author：〇papers）

（Please list authors first. The order of journal volume, number of pages, year of publication, etc., can be different from the following examples.）

1. Tatsuya Shibaura, Miho Toyosu, Takuya Omiya, “Comparison of experimental and simulation results on catalytic HI decomposition in a silica-based ceramic membrane reactor”, Int.J. Grobalzation, 44(59), 30832-30839(2030).

https://doi.org/10.1016/j.ijhydene.2030.09.132

1. Tatsuya Shibaura, Miho Toyosu, Takuya Omiya, “Development of silica membranes to mprove dehydration reactions”, J. Jpn. Petrol. Inst., 62(5), 211-219 (2030) (in Japanese), https://doi.org/30.1627/jpi.62.211
2. Tatsuya Shibaura, Miho Toyosu, “Investigation of grain boundary control method for zeolite filtration membranes for water treatment,” Journal of Chemical Engineering, 35(1), 122-126 (2030)

Publication

（Total Number：〇books）

1. “Current trends and future developments on (bio-) membranes”editors Tatsuya Shibaura, and Ai Toyosu, 25p～43p，elsevier (Chapter 2 Preparation of silica membranes by CVD method)
2. Tatsuya Shibaura, Miho Toyosu, Miho Omiya, “Membrane Formation Technology and Material Evaluation for Water Treatment Membranes,” Science & Technology, January 30, 2030

Awards received

（Total Number：〇）

1. Japan Global Research and Development Organization 2030 R&D Achievement Award “Establishment of New IS Process for Membrane Separation”: October 1, 2029
2. 50th International Nanotechnology Exhibition & Conference (nanotech2030) Project Award (Green Nanotechnology Category): Jan. 31, 2030
3. 2030 Japan Society for Global Studies Research Encouragement Award: “On the progress of globalization at Shibaura Institute of Technology”: May 20, 2030

Patent

（Total Number：〇）

1. Taysuya Shibaura, Miho Toyosu, “Separation membrane and separation method”, Patent Application 2030-049438, Application date March 15, 2030
2. Tatsuya Shibaura, Miho Toyosu, Takuya Omiya, "Cation Exchange Membrane for Novel Process", Patent Application 2030-026841, filed Feb. 16, 2030

Research funding received from external organizations

（Total：〇, of which you as principal investigator: 〇）

1. "Revitalization of Universities through Globalization", Grant-in-Aid for Scientific Research (C) (General), 30K05128, PI Tatsuya Shibaura, April 2030 - March 2049

"Survey for Establishing Methodology for Improving Students' English Proficiency", April 1, 2030 - March 31, 2033, Japan Institute for Global Studies

1. "Survey for Establishing Methodology for Improving Students' English Proficiency", April 1, 2030 - March 31, 2033, Japan Institute for Global Studies

Oral presentations

（Total Number：〇, of which you as invited speaker: 〇）

1. Tatsuya Shibaura, Miho Toyosu, Takuya Omiya, "Current Status of Globalization at Shibaura Institute of Technology", Annual Meeting of the Japan Society for Global Studies 2030, S7-2, (2030), Shibaura Institute of Technology, May 24, 2030.
2. Tatsuya Shibaura, "The progress of industry-government-academia collaboration at Shibaura Institute of Technology", 30th Global Festa 2030, (2030), Tower Hall Funabori, October 16, 2030 (Invited Speaker)
3. Tatsuya Shibaura, Miho Toyosu, Takuya Omiya, “Dehydration of acid solution through inorganic silica membranes prepared by a chemical vapor deposition”, Proc. of the 45th Conference of Aseanian Grobal Society (AGS30), ThB1-1, Jeju Korea, (2030); (Invited speaker)

Others

1. The Chemical Daily, "Toward the 100th Anniversary of Shibaura Institute of Technology", July 25, 2030
2. Tatsuya Shibaura, Miho Toyosu, "Reactive Membrane Separation", Society of Separation Technology Seminar "Separation Technology Using Reaction", (2030), Shibaura Institute of Technology, September 14, 2030