Press Conference
President of JST

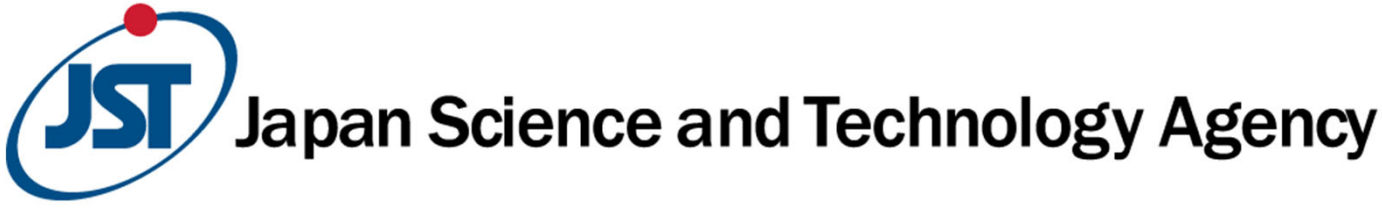
March 24, 2022

Japan Science and Technology Agency

1. Japan’ s full-fledged preprint server “Jxiv” launched
2. Achievements of the 4th Mid- to Long-term Plan and about the 5th Mid- to Long-term Plan
3. Promotion of “Plan B" against the COVID-19

Japan Science and Technology Agency

Japan’ s full-fledged preprint server “Jxiv” launched



The Japan's Preprint Server "Jxiv" has Launched

March 24, 2022

- Jxiv makes unpublished, pre-reviewed papers (preprints) available for open access.
- Preprints in English and Japanese in all research fields can be submitted to Jxiv.
- Submitters are required to obtain a researchmap account or ORCID account.
- Viewers can access content with no registration of account and free of charge.

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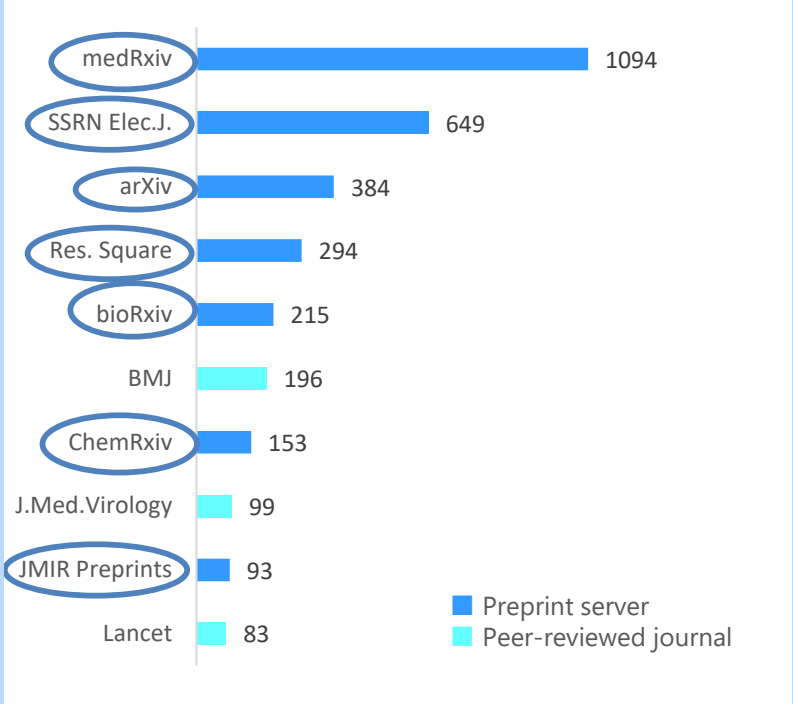
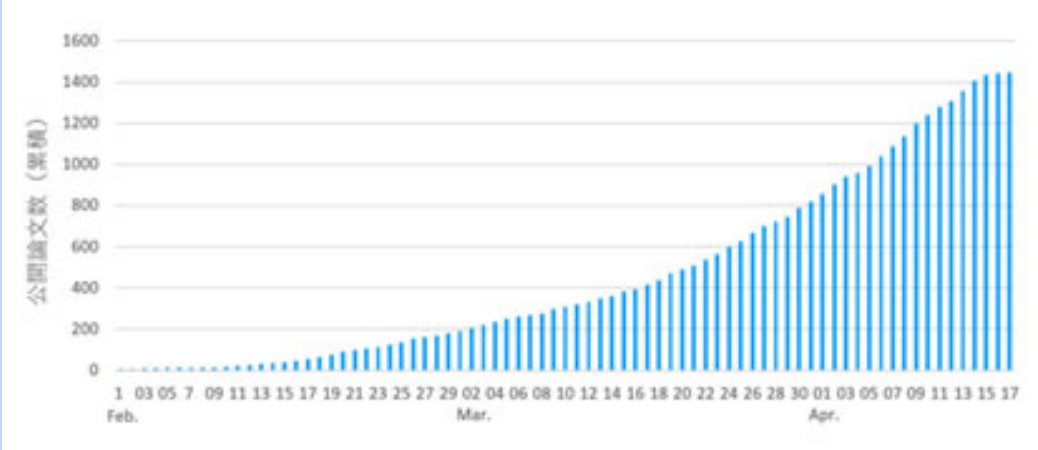
Background

Surging number of preprints due to COVID-19



Top sources for COVID-19 articles in the Dimensions. (As of April 21st, 2020)
https://www.dimensions.ai/



Number of COVID-19 related papers on MedRxiv, a medical preprint server
(Jan 1st, 2020–April 17th, 2020)
https://www.medrxiv.org/

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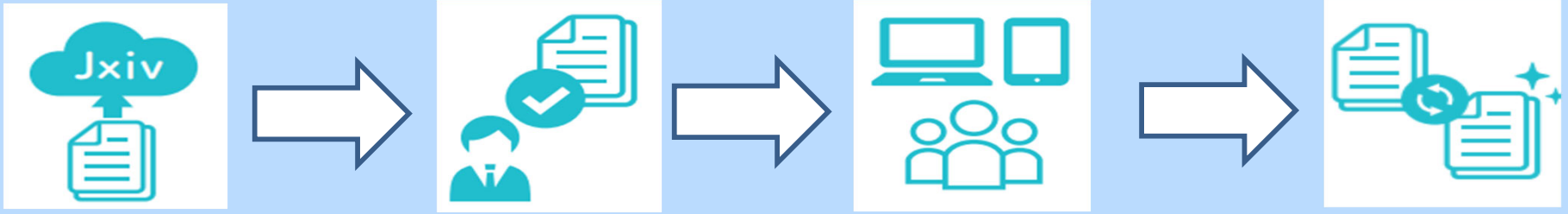
Steps from Submission to Publication



1. Submission of Preprint
2. Screening
3. Publishing as an Open Access
4. Updating to the newest version

Effectiveness

- Researchers can publish research before it is submitted to a journal for peer review.
- Promptly publishing research results, it speeds up the cycle of research and stimulates the scientific community.
- Researchers can discuss urgent issues through preprints without waiting for peer-reviews.
- Jxiv contributes to Open Access.

URL

https://jxiv.jst.go.jp/

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Today's Lecture

Dr. Amano

Dr. Amano Hiroshi

Professor, Institute of Materials and Systems for Sustainability, Nagoya University, Tokai National Higher Education and Research System

• Lead investigator on research into new energy conservation devices such as high-efficiency power semiconductors, etc.

Research Associate, School of Engineering, Nagoya University (1988), Assistant Professor (1992), Associate Professor (1998) and Professor (2002), Faculty of Science and Technology, Meijo University, Professor, Graduate School of Engineering, Nagoya University (2010), Director, Akasaki Research Center, Nagoya University (2011-present), Director, Professor, Center for Integrated Research of Future Electronics, Institute of Materials and Systems for Sustainability (2015-present)
Awards: Person of Cultural Merit, Recipient of Order of Cultural Merit, and Winner of Nobel Prize in Physics (2014)

Dr. Uchiyama

Dr. Uchiyama Tomomi

Professor, Institute of Materials and Systems for Sustainability, Nagoya University, Tokai National Higher Education and Research System

•Engaged in fluid engineering and computational fluid dynamics research at the Institute of Materials and Systems for Sustainability, especially focused on flow control.

Graduated from Faculty of Engineering, Nagoya University (1985).
Ph.D. in mechanical engineering, the Graduate School of Engineering, Nagoya University (1992).
Assistant and Associate Professor (2004-2009) and Professor (2009), the EcoTopia Science Institute, Nagoya University.
Professor (2015) and Vice-Director (2018-present), the Institute of Materials and Systems for Sustainability.

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Today's Lecture

Dr. Kawakami

Dr. Kawakami Eiryo

Team Leader, RIKEN Information R&D and Strategy Headquarters, Advanced Data Science Project, Medical Data Mathematical Reasoning Team, RIKEN

• Furthering research utilizing machine learning as well as mathematical and statistical modeling to address problems in foundational and clinical medicine such as cancer, allergies, and infectious diseases.

M.D., School of Medicine and Faculty of Medicine, The University of Tokyo (2007). Ph.D., Graduate School of Medicine, The University of Tokyo (2011). Researcher on ERATO, Senior Researcher, Unit Leader, then Team Leader (2019-) at RIKEN. Professor in Department of Artificial Intelligence Medicine at Graduate School of Medicine, jointly appointed as Director of Center for Artificial Intelligence Research in Therapeutics, Chiba University.(2019-present)
Award: "Nice Step Researcher" Award, the National Institute of Science and Technology Policy (2019)

Dr. Sato

Dr. Sato Kei

Associate Professor, Institute of Medical Science, The University of Tokyo

• Focused on the creation and development of "systems virology," an interdisciplinary research field aiming at comprehensive understanding of the properties and dynamics of viruses from the micro to the macro level. He presides over the Genotype to Phenotype Japan (G2P-Japan) Consortium.

Ph.D. (Medicine), Graduate School of Medicine, Kyoto University (2010) *One-year early graduation. Assistant Professor and Lecturer, the Institute for Frontier Life and Medical Sciences, Kyoto University. (2010-2018). Associate Professor (Principal Investigator), Institute of Medical Science, The University of Tokyo (2018-present).
Awards: Sugiura Incentive Award from the Japanese Society for Virology (2015) and the Young Scientists' Award from the Minister of Education, Culture, Sports, Science and Technology (2020).

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Today's Lecture

Dr. Noda

Dr. Noda Takeshi

Professor, Institute for Frontier Life and Medical Sciences, Kyoto University

- Researches on the mechanism of viral replication using electron microscopy
- Studies on the mechanisms of viral replication and pathogenesis using human organoids

School of Veterinary Medicine, Hokkaido University (2001)
Doctor of Veterinary Medicine, Graduate School of Veterinary Medicine, Hokkaido University (2005)
Assistant and Associate Professor, Institute of Medical Science, The University of Tokyo (2005-2015)
Professor, Institute for Frontier Life and Medical Sciences (former Institute of Virus Research), Kyoto University (2015-present).

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