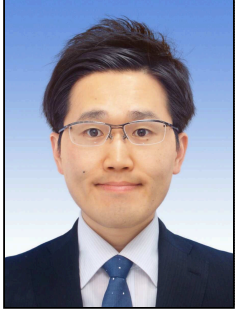


CV

As of March 4 2024

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<h2>Motoaki BAMBA</h2>		
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Degree	
Degree Doctor of Philosophy in Science	Conferred Date 2009 March
Name of University Osaka University	
Title of Thesis Quantum Electrodynamics of Excitons with Radiative Relaxation	
Degree	Conferred Date
Name of University	
Title of Thesis	
Degree	Conferred Date
Name of University	
Title of Thesis	
Degree	Conferred Date
Name of University	
Title of Thesis	

Period		Education
From	To	
2004 April	2009 March	Department of Materials Engineering Science, Graduate School of Engineering Science, Osaka University
2000 April	2004 March	Department of Electronics and Materials Physics, School of Engineering Science, Osaka University

Period		Education
From	To	

Period		Academic & Professional Experience
From	To	
2023 April	today	Department of Mathematics, Physics, Electrical Engineering and Computer Science, College of Engineering Science, Yokohama National University
2023 April	today	Department of Mathematics, Physics, Electrical Engineering and Computer Science, Graduate school of Engineering Science, Yokohama National University
2023 April	today	Associate Professor, Faculty of Engineering Division of Intelligent Systems Engineering, Yokohama National University
2021 January	today	Kyoto University Hakubi Researcher, Kyoto University
2021 January	2023 March	Collaborative Associate Professor, Graduate School of Science, Kyoto University
2021 January	2023 March	Program-Specific Associate Professor, The Hakubi Center for Advanced Research, Kyoto University
2019 December	2023 March	International Research Unit of Quantum Information, Kyoto University
2017 October	2021 March	Precursory Research for Embryonic Science and Technology (PRESTO) Researcher, Japan Science and Technology Agency (JST)
2019 April	2020 December	Program-Specific Junior Associate Professor (JST PRESTO), Graduate School of Science, Kyoto University
2015 April	2019 March	Visiting Academic Staff, Department of Materials Engineering Science, Graduate School of Engineering Science, Osaka University
2015 April	2019 March	Specially Appointed Associate Professor, Interactive Materials Science Cadet Program, Osaka University
2012 April	2015 March	Research Fellow (PD), Japan Society for the Promotion of Science (JSPS)
2009 May	2012 March	Post-doc, University Paris 7 & CNRS
2009 April	2009 April	Post-doc, Osaka Prefecture University
2007 April	2009 March	Research Fellow (DC2), Japan Society for the Promotion of Science (JSPS)
2006 April	2007 March	Japan Science and Technology Agency
2005 September	2005 October	Japan Science and Technology Agency

Association Memberships

Japanese Association for the Advancement of Science , The Physical Society of Japan

Awards & Honors

September 2019 Web of Science Top Peer Reviewer 2019, Top 1% of reviewers in Physics Motoaki BAMBABA

September 2018 Web of Science Publons Peer Review Awards 2018, Top 1% of reviewers in Physics Motoaki BAMBABA

February 2018 Research Foundation for Opto-Science and Technology Research Award Exploring physical systems showing super-radiant phase transitions BAMBABA Motoaki

March 2017 The Physical Society of Japan 11th Young Scientist Award of the Physical Society of Japan (Division 5: Optical Properties of Condensed Matter) Superposition of light in free space and localized matters BAMBABA Motoaki

March 2017 The Physical Society of Japan 11th Young Scientist Award of the Physical Society of Japan (Division 1: Atomic and Molecular physics, Quantum Electronics, Radiation) Theoretical studies on the ultrastrong light matter coupling BAMBABA Motoaki

February 2011 Inoue Foundation for Science 27th Inoue Research Award for Young Scientists Motoaki BAMBABA

December 2007 Association for Condensed Matter Photophysics Award for Encouragement of Research in Condensed Matter Photophysics Motoaki BAMBABA

March 2004 Osaka University Kusumoto Award Motoaki BAMBABA

Other self promotion

Researchmap

<https://researchmap.jp/read0141546>

Scopus

<https://www.scopus.com/authid/detail.uri?authorId=15520494900>

Web of Science

<https://www.webofscience.com/wos/author/record/327001>

Google Scholar

<https://scholar.google.com/citations?user=k9QHNV8AAAAJ>



Motoaki BAMBА

Yokohama National University

Light-matter interaction
quantum optics
quantum electrodynamics
electromagnetism
phase transitions

	All	Since 2019
Citations	1498	997
h-index	17	14
i10-index	20	16

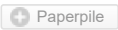






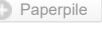










1 article 11 articles

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Terahertz Magneto-Spectroscopy Mapping of the Low-Temperature Phase Transition of Er_xY_{1-x}FeO₃ NM Peraca, X Li, M Bamba, CL Huang, X Ma, T Makihara, E Morosan, ...  JSAP Annual Meetings Extended Abstracts The 81st JSAP Autumn Meeting 2020 ...		2020
Derivation of the Hamiltonian of a flux qubit-LC oscillator circuit using the circuit variables F Yoshihara, S Ashhab, T Fuse, K Semba  Bulletin of the American Physical Society 65		2020
Ground state of a circuit QED system in the deep-strong-coupling regime coupled to an environment T Shitara, M Bamba, F Yoshihara, T Fuse, K Semba, K Koshino  Bulletin of the American Physical Society 65		2020
Low-Temperature Phases of Er_{1-x}Y_xFeO₃ Mapped Out by Terahertz Time-Domain Spectroscopy N Marquez Peraca, X Li, M Bamba, CL Huang, N Yuan, G Noe, ...  Bulletin of the American Physical Society 65		2020
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