

# Tomohiro Tsuji

## List of Publications by Year in descending order

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13  
papers

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1684188  
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1474206  
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13  
all docs

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docs citations

13  
times ranked

22  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of micromotors using the backflow effect of liquid crystals. Sensors and Actuators A: Physical, 2021, 318, 112386.	4.1	6
2	Numerical prediction of the driving performance of liquid crystal actuators. Applied Physics Letters, 2018, 113, 261901.	3.3	1
3	Fundamental study on the application of liquid crystals to actuator devices. Applied Physics Letters, 2016, 109, .	3.3	8
4	Development of micromanipulators utilizing a phase interface between nematic and isotropic phases in liquid crystals. Transactions of the JSME (in Japanese), 2015, 81, 14-00628-14-00628.	0.2	3
5	Development of microactuators driven by liquid crystals (6th report, control of driving direction). Transactions of the JSME (in Japanese), 2015, 81, 14-00627-14-00627.	0.2	0
6	Three-dimensional molecular dynamics simulations of reorientation process and backflow generation in nematic liquid crystals under application of electric fields. Journal of Applied Physics, 2011, 110, 044911.	2.5	11
7	Development of Microactuators Driven by Liquid Crystals : 4th Report, Experiments of Driving a Plate(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 1849-1854.	0.2	3
8	Liquid Crystal Flow Induced by Annihilation of a Pair of Defects : 2nd Report, Numerical Simulation of Velocity Profile(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 20-27.	0.2	0
9	Numerical analysis of characteristics of microactuators driven by liquid crystals. Chemical Engineering Science, 2009, 64, 4625-4631.	3.8	8
10	Numerical Simulation of Annular Backflow of Nematic Liquid Crystal between Concentric Cylinders(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2009, 75, 2413-2420.	0.2	0
11	Molecular dynamics simulation of backflow generation in nematic liquid crystals. Applied Physics Letters, 2008, 93, .	3.3	18
12	Proposal of mechanics of liquid crystals and development of liquid crystalline microactuators. Applied Physics Letters, 2008, 92, 051905.	3.3	17
13	Back-Flow of Nematic Liquid Crystals and Its Application to Liquid Crystalline Microactuators. AIP Conference Proceedings, 2008, , .	0.4	0