

Tomohiro Tsuji

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

75
citations

1684188

5
h-index

1474206

9
g-index

13
all docs

13
docs citations

13
times ranked

22
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular dynamics simulation of backflow generation in nematic liquid crystals. Applied Physics Letters, 2008, 93, .	3.3	18
2	Proposal of mechanics of liquid crystals and development of liquid crystalline microactuators. Applied Physics Letters, 2008, 92, 051905.	3.3	17
3	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
4	Numerical analysis of characteristics of microactuators driven by liquid crystals. Chemical Engineering Science, 2009, 64, 4625-4631.	3.8	8
5	Fundamental study on the application of liquid crystals to actuator devices. Applied Physics Letters, 2016, 109, .	3.3	8
6	Development of micromotors using the backflow effect of liquid crystals. Sensors and Actuators A: Physical, 2021, 318, 112386.	4.1	6
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	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
9	Numerical prediction of the driving performance of liquid crystal actuators. Applied Physics Letters, 2018, 113, 261901.	3.3	1
10	Back-Flow of Nematic Liquid Crystals and Its Application to Liquid Crystalline Microactuators. AIP Conference Proceedings, 2008, , .	0.4	0
11	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
12	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
13	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