

# Yan-Hom Li

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The effect of magnetic field on the dynamics of gas bubbles in water electrolysis. Scientific Reports, 2021, 11, 9346.	3.3	28
2	Dynamics of a microchain of superparamagnetic beads in an oscillating field. Microfluidics and Nanofluidics, 2012, 13, 579-588.	2.2	19
3	Manipulations of vibrating micro magnetic particle chains. Journal of Applied Physics, 2012, 111, 07A924.	2.5	17
4	Steering of Magnetic Micro-Swimmers. IEEE Transactions on Magnetics, 2013, 49, 4120-4123.	2.1	17
5	Self-assembly and novel planetary motion of ferrofluid drops in a rotational magnetic field. Microfluidics and Nanofluidics, 2015, 18, 795-806.	2.2	17
6	Magnetic microchains and microswimmers in an oscillating magnetic field. Biomicrofluidics, 2016, 10, 011902.	2.4	15
7	Trajectory shift of magnetic microchains in an oscillating field. Microfluidics and Nanofluidics, 2013, 14, 831-838.	2.2	14
8	Structural instability of an oscillating superparamagnetic micro-bead chain. Microfluidics and Nanofluidics, 2014, 17, 73-84.	2.2	13
9	Flexibility of Micromagnetic Flagella in the Presence of an Oscillating Field. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	8
10	Studying the Effect of Electrode Material and Magnetic Field on Hydrogen Production Efficiency. Magnetochemistry, 2022, 8, 53.	2.4	7
11	Flexible mechanism of magnetic microbeads chains in an oscillating field. AIP Advances, 2018, 8, 056727.	1.3	2
12	Propulsion Mechanism of Flexible Microbead Swimmers in the Low Reynolds Number Regime. Micromachines, 2020, 11, 1107.	2.9	2
13	The dynamics of a planar beating micro-swimmer constructed using functional fluid. Journal of Intelligent Material Systems and Structures, 2021, 32, 1358-1367.	2.5	2
14	Enhancement for magnetic field strength of a magnetohydrodynamic thruster consisting of permanent magnets. AIP Advances, 2021, 11, 015008.	1.3	2
15	Effect of Rosensweig instability in a ferrofluid layer on reflection loss of a high-frequency electromagnetic wave. AIP Advances, 2022, 12, 045221.	1.3	2
16	Flexibility of undulating magnetic microbeads swimmers. AIP Advances, 2019, 9, 125232.	1.3	1