

# Min-Hsing Chang

## List of Publications by Year in descending order

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26  
papers

519  
citations

623734

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h-index

642732

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g-index

29  
all docs

29  
docs citations

29  
times ranked

371  
citing authors

#	ARTICLE	IF	CITATIONS
1	Instability of Poiseuille flow in a fluid overlying a porous layer. <i>Journal of Fluid Mechanics</i> , 2006, 564, 287.	3.4	75
2	Efficiency improvement of a vertical-axis wind turbine using a deflector optimized by Taguchi approach with modified additive method. <i>Energy Conversion and Management</i> , 2021, 245, 114609.	9.2	49
3	Optimization of a vertical axis wind turbine with a deflector under unsteady wind conditions via Taguchi and neural network applications. <i>Energy Conversion and Management</i> , 2022, 254, 115209.	9.2	38
4	Investigation of cathode electrocatalysts composed of electrospun Pt nanowires and Pt/C for proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2014, 249, 320-326.	7.8	34
5	Effect of rotation on the electrohydrodynamic instability of a fluid layer with an electrical conductivity gradient. <i>Physics of Fluids</i> , 2010, 22, .	4.0	32
6	Thermal convection in superposed fluid and porous layers subjected to a plane Poiseuille flow. <i>Physics of Fluids</i> , 2006, 18, 035104.	4.0	30
7	Three-dimensional response of unrelaxed tension to instability of viscoelastic jets. <i>Journal of Fluid Mechanics</i> , 2011, 682, 558-576.	3.4	29
8	Thermal convection in superposed fluid and porous layers subjected to a horizontal plane Couette flow. <i>Physics of Fluids</i> , 2005, 17, 064106.	4.0	24
9	Geometry optimization and pressure analysis of a proton exchange membrane fuel cell stack. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 16717-16733.	7.1	23
10	On the nonaxisymmetric instability of round liquid jets. <i>Physics of Fluids</i> , 2008, 20, .	4.0	20
11	Electrohydrodynamic instability in a horizontal fluid layer with electrical conductivity gradient subject to a weak shear flow. <i>Journal of Fluid Mechanics</i> , 2009, 634, 191.	3.4	20
12	Electrohydrodynamic instability of a charged liquid jet in the presence of an axial magnetic field. <i>Physics of Fluids</i> , 2010, 22, .	4.0	18
13	Linear instability of compound jets with nonaxisymmetric disturbances. <i>Physics of Fluids</i> , 2009, 21, 012101.	4.0	16
14	Stability of micropolar fluid flow between concentric rotating cylinders. <i>Journal of Fluid Mechanics</i> , 2009, 631, 343-362.	3.4	15
15	Stability of plane Poiseuille-Couette flow in a fluid layer overlying a porous layer. <i>Journal of Fluid Mechanics</i> , 2017, 826, 376-395.	3.4	15
16	Effects of Manufacturing Parameters in Planar Flow Casting Process on Ribbon Formation and Puddle Evolution of Fe-Si Alloy. <i>ISIJ International</i> , 2015, 55, 2383-2390.	1.4	12
17	Improving proton exchange membrane fuel cell performance with carbon nanotubes as the material of cathode microporous layer. <i>International Journal of Energy Research</i> , 2016, 40, 181-188.	4.5	11
18	Flow field simulation and pressure drop modeling by a porous medium in PEM fuel cells. <i>International Journal of Energy Research</i> , 2022, 46, 163-177.	4.5	11

#	ARTICLE	IF	CITATIONS
19	Three-dimensional stability analysis for a salt-finger convecting layer. <i>Journal of Fluid Mechanics</i> , 2018, 841, 636-653.	3.4	9
20	Tuning the Planar-Flow Melt-Spinning Process Subject to Operability Conditions. <i>Jom</i> , 2014, 66, 1277-1286.	1.9	8
21	Fabrication of platinum nanowires by centrifugal electrospinning method for proton exchange membrane fuel cell. <i>International Journal of Energy Research</i> , 2021, 45, 12968-12979.	4.5	8
22	Effect of Gas Diffusion Layer With Double-Side Microporous Layer Coating on Polymer Electrolyte Membrane Fuel Cell Performance. <i>Journal of Fuel Cell Science and Technology</i> , 2013, 10, .	0.8	7
23	Simulation for the Effect of Wetting Conditions of Melt Puddle on the Fe-Si-B Ribbon Alloy in the Planar-Flow Melt-Spinning Process. <i>ISIJ International</i> , 2017, 57, 100-106.	1.4	5
24	Magnetoviscosity in magnetic fluids: Testing different models of the magnetization equation. <i>Smart Science</i> , 2013, 1, 51-58.	3.2	4
25	The onset of natural convection in a horizontal nanofluid layer heated from below. <i>Heat Transfer</i> , 2021, 50, 7764-7783.	3.0	3
26	Fabrication of bimetallic PtPd nanowire electrocatalysts by centrifugal electrospinning method for proton exchange membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2021, , .	7.1	3