

Xiangming Xiong

List of Publications by Year in descending order

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14
papers

163
citations

1307594

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1125743

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all docs

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docs citations

14
times ranked

178
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Turbulent bands in plane-Poiseuille flow at moderate Reynolds numbers. <i>Physics of Fluids</i> , 2015, 27, . | 4.0 | 45 |
| 2 | Composition and strain engineered AgNbO ₃ -based multilayer capacitors for ultra-high energy storage capacity. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9655-9664. | 10.3 | 40 |
| 3 | Linear stability and energy stability of plane Poiseuille flow with isotropic and anisotropic slip boundary conditions. <i>Physics of Fluids</i> , 2020, 32, . | 4.0 | 19 |
| 4 | Theoretical analysis of a Love wave biosensor in liquid with a viscoelastic wave guiding layer. <i>Journal of Applied Physics</i> , 2017, 121, . | 2.5 | 14 |
| 5 | Equilibrium states of the Charney-DeVore quasi-geostrophic equation in mid-latitude atmosphere. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 444, 1403-1416. | 1.0 | 11 |
| 6 | Lower bound for transient growth of inclined buoyancy layer. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2017, 38, 779-796. | 3.6 | 9 |
| 7 | Artificial neural network approach for turbulence models: A local framework. <i>Physical Review Fluids</i> , 2021, 6, . | 2.5 | 9 |
| 8 | A conjecture on the least stable mode for the energy stability of plane parallel flows. <i>Journal of Fluid Mechanics</i> , 2019, 881, 794-814. | 3.4 | 7 |
| 9 | Threshold and decay properties of transient isolated turbulent band in plane Couette flow. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2019, 40, 1449-1456. | 3.6 | 4 |
| 10 | Electrocaloric Performance of Multilayer Ceramic Chips: Effect of Geometric Structure Induced Internal Stress. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38508-38516. | 8.0 | 2 |
| 11 | Oscillating convection and reversal flow in connected cavities. <i>Physical Review E</i> , 2018, 98, . | 2.1 | 1 |
| 12 | Asymptotic analysis of radial vibration of thin piezoelectric disks. <i>Journal of the American Ceramic Society</i> , 2021, 104, 3411-3423. | 3.8 | 1 |
| 13 | A Global Optimization Method to Determine the Complex Material Constants of Piezoelectric Bars in the Length Thickness Extensional Mode. <i>Actuators</i> , 2021, 10, 169. | 2.3 | 1 |
| 14 | Instabilities of an annulus flow between rotating cylinders in a helical magnetic field. <i>Physical Review E</i> , 2017, 96, 053101. | 2.1 | 0 |