

Jong-Hoon Huh

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Low-voltage-driven electromechanical effects of swollen liquid-crystal elastomers. <i>Physical Review E</i> , 2005, 71, 061702.	0.8	73
2	Pattern formation of chevrons in the conduction regime in homeotropically aligned liquid crystals. <i>Physical Review E</i> , 2000, 61, 2769-2776.	0.8	57
3	Soft-mode turbulence in electrohydrodynamic convection of a homeotropically aligned nematic layer. <i>Physical Review E</i> , 1997, 56, R6256-R6259.	0.8	51
4	Prewavy instability of nematic liquid crystals in a high-frequency electric field. <i>Physical Review E</i> , 2002, 66, 031705.	0.8	40
5	Observation and determination of abnormal rolls and abnormal zigzag rolls in electroconvection in homeotropic liquid crystals. <i>Physical Review E</i> , 1998, 58, 7355-7358.	0.8	32
6	Prewavy Pattern: A Director-Modulation Structure in Nematic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 364, 111-122.	0.3	30
7	Formation Scenarios for Nonlinear Patterns in Electroconvection under Controlling Goldstone Modes in Magnetic Field. <i>Journal of the Physical Society of Japan</i> , 1999, 68, 1567-1577.	0.7	28
8	Dynamical Aspects of Spatiotemporal Chaos at the Onset of Electroconvection in Homeotropic Nematics. <i>Journal of the Physical Society of Japan</i> , 1997, 66, 3329-3332.	0.7	25
9	Transition Properties of the Soft-Mode Turbulence in the Homeotropic Electroconvection Superimposing Magnetic Fields. <i>Journal of the Physical Society of Japan</i> , 1998, 67, 1948-1954.	0.7	21
10	Inverse stochastic resonance in electroconvection by multiplicative colored noise. <i>Physical Review E</i> , 2016, 94, 052702.	0.8	21
11	Electroconvection in nematic liquid crystals in Hele-Shaw cells. <i>Physical Review E</i> , 2003, 68, 042702.	0.8	15
12	Noise-induced Electrohydrodynamic Patterns in Nematic Liquid Crystals. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 033001.	0.7	14
13	Noise-controlled pattern formation and threshold shift for electroconvection in the conduction and dielectric regimes. <i>Physical Review E</i> , 2009, 80, 066304.	0.8	14
14	Multiplicative noise effects on electroconvection in controlling additive noise by a magnetic field. <i>Physical Review E</i> , 2015, 92, 062504.	0.8	13
15	Colored Noise-Induced Threshold Shifts and Phase Diagrams in Electroconvections. <i>Journal of the Physical Society of Japan</i> , 2014, 83, 063601.	0.7	12
16	Noise-induced threshold shift and pattern formation in electroconvection by controlling characteristic time scales. <i>Physical Review E</i> , 2011, 84, 025302.	0.8	11
17	Traveling waves and worms in ac-driven electroconvection under external multiplicative noise. <i>Physical Review E</i> , 2017, 95, 042704.	0.8	10
18	Pure Noise-Induced Pattern Formations in a Nematic Liquid Crystal. <i>Journal of the Physical Society of Japan</i> , 2009, 78, 043601.	0.7	10

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19	Noise Effects on Threshold of Electrohydrodynamic Convection in Nematic Liquid Crystals. Journal of the Physical Society of Japan, 2008, 77, 083601.	0.7	9
20	Multiplicative Noise-Induced Electrohydrodynamic Pattern Formations by Controlling Electric Conductivity. Journal of the Physical Society of Japan, 2016, 85, 024002.	0.7	9
21	Electrohydrodynamic Instability in Cholesteric Liquid Crystals in the Presence of a Magnetic Field. Molecular Crystals and Liquid Crystals, 2007, 477, 67-76.	0.4	7
22	Difference in Noise-Induced Threshold Shift between Planar and Homeotropic Electroconvections in Nematic Liquid Crystals. Journal of the Physical Society of Japan, 2009, 78, 083601.	0.7	7
23	Prewavy instability-originated dielectric chevrons of electroconvection in nematic liquid crystals. Physical Review E, 2020, 102, 042704.	0.8	7
24	Temperature Dependence of Electromechanical Effects in a Swollen Polydomain Liquid Crystalline Elastomer. Journal of the Physical Society of Japan, 2005, 74, 242-245.	0.7	6
25	Visual evaluation of surface anchoring strength by electrohydrodynamic convection of a nematic liquid crystal. Physical Review E, 2017, 96, 040701.	0.8	6
26	State transition at electrohydrodynamic convection of twisted nematic liquid crystals. Physical Review E, 2018, 98, .	0.8	6
27	A Periodic Director Structure of Nematic Liquid Crystals in a High-Frequency Electric Field. Molecular Crystals and Liquid Crystals, 2004, 410, 39-47.	0.4	4
28	Influence of External Noise on Various Electrohydrodynamic Instabilities in a Nematic Liquid Crystal. Journal of the Physical Society of Japan, 2012, 81, 104602.	0.7	4
29	Traveling Waves in One-Dimensional Electroconvection of Nematic Liquid Crystals. Journal of the Physical Society of Japan, 2019, 88, 034602.	0.7	4
30	Reentrant prewavy instability in competition between rising and twist modes in ac field-driven electroconvection. Physical Review E, 2021, 103, 062701.	0.8	4
31	New Scenario to Spatio-Temporal Chaos in Normal Rolls Regime with Magnetic Field in Electroconvection of Homeotropic Nematics. Molecular Crystals and Liquid Crystals, 1999, 328, 497-504.	0.3	3
32	NEW CLASSIFICATION OF CHEVRONS IN ELECTROCONVECTION IN HOMEOTROPICALLY-ALIGNED NEMATICS. Molecular Crystals and Liquid Crystals, 2001, 366, 833-840.	0.3	3
33	Electrohydrodynamic Pattern Formation in Nematic Liquid Crystals by External Pure Noise. Journal of the Physical Society of Japan, 2010, 79, 123602.	0.7	3
34	Electroconvection in one-dimensional liquid crystal cells. Physical Review E, 2018, 97, 042707.	0.8	3
35	Phase Noise Can Induce Stochastic Resonance?. Journal of the Physical Society of Japan, 2019, 88, 063001.	0.7	3
36	Formation of grid patterns in an ac-driven electroconvection system. Physical Review E, 2020, 101, 062701.	0.8	3

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37	Characterization of surface anchoring energy of nematic liquid crystals via electrohydrodynamic instability. <i>Physical Review E</i> , 2020, 101, 062703.	0.8	3
38	Nonequilibrium phase transitions of a nematic liquid crystal under ac field-driven electroconvection. <i>Physical Review E</i> , 2022, 106, .	0.8	3
39	New Characteristics of Electrohydrodynamic Instability in a Nematic Liquid Crystal Doped with a Cholesteric One. <i>Journal of the Physical Society of Japan</i> , 2004, 73, 2975-2978.	0.7	2
40	Threshold characteristics of electrohydrodynamic instability in nematic liquid crystals under a superimposing magnetic field. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 284-285, 627-630.	2.3	2
41	Response of electrohydrodynamic convection to external noise. , 2011, , .		0
42	Electrooptical threshold behavior of electroconvection in twisted nematic liquid crystal cells. <i>Journal of the Korean Physical Society</i> , 2017, 70, 276-280.	0.3	0
43	Noise-induced traveling waves in electroconvection. , 2017, , .		0
44	Pattern formations in electroconvection by colored noise. , 2017, , .		0
45	Control of the Orientation of Traveling Waves in AC-Driven Electroconvection by Additional Fields. <i>Journal of the Physical Society of Japan</i> , 2020, 89, 034602.	0.7	0
46	Additional Deterministic and Stochastic Field-Induced Shifts of the Threshold and Wavenumber of AC-Driven Electroconvection in Nematic Liquid Crystals. <i>Journal of the Physical Society of Japan</i> , 2020, 89, 095003.	0.7	0