

Chi-Jen Wang

List of Publications by Year in descending order

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17
papers

143
citations

1478505

6
h-index

1199594

12
g-index

18
all docs

18
docs citations

18
times ranked

133
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic Monte Carlo Simulation of Statistical Mechanical Models and Coarse-Grained Mesoscale Descriptions of Catalytic Reactionâ€“Diffusion Processes: 1D Nanoporous and 2D Surface Systems. <i>Chemical Reviews</i> , 2015, 115, 5979-6050.	47.7	37
2	A nonlocal quenching problem arising in a micro-electro mechanical system. <i>Quarterly of Applied Mathematics</i> , 2009, 67, 725-734.	0.7	31
3	Exploring the Synthetic Application of <i>Helicobacter pylori</i> α 1,3/4-Fucosyltransferase FucTIII toward the Syntheses of Fucosylated Human Milk Glycans and Lewis Antigens. <i>ACS Catalysis</i> , 2019, 9, 10712-10720.	11.2	20
4	Schloegl's second model for autocatalysis on hypercubic lattices: Dimension dependence of generic two-phase coexistence. <i>Physical Review E</i> , 2012, 85, 041109.	2.1	9
5	Blowup rate estimate for a system of semilinear parabolic equations. <i>Communications on Pure and Applied Analysis</i> , 2009, 8, 711-718.	0.8	8
6	Langevin and Fokker-Planck Analyses of Inhibited Molecular Passing Processes Controlling Transport and Reactivity in Nanoporous Materials. <i>Physical Review Letters</i> , 2014, 113, 038301.	7.8	6
7	Discontinuous non-equilibrium phase transition in a threshold Schloegl model for autocatalysis: Generic two-phase coexistence and metastability. <i>Journal of Chemical Physics</i> , 2015, 142, 164105.	3.0	6
8	Thermodynamically Driven Formation of Intercalated Cu Carpets from Supported Cu Pyramids on MoS_2 . <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6651-6656.	4.6	5
9	Analytic formulations for one-dimensional decay of rectangular homoepitaxial islands during coarsening on anisotropic fcc (110) surfaces. <i>Physical Review B</i> , 2013, 88, .	3.2	4
10	Discontinuous Phase Transitions in Nonlocal Schloegl Models for Autocatalysis: Loss and Reemergence of a Nonequilibrium Gibbs Phase Rule. <i>Physical Review Letters</i> , 2018, 121, 120603.	7.8	4
11	Schloegl's Second Model for Autocatalysis on a Cubic Lattice: Mean-Field-Type Discrete Reaction-Diffusion Equation Analysis. <i>Journal of Statistical Physics</i> , 2011, 144, 1308-1328.	1.2	3
12	The structure of stationary solutions to a micro-electro mechanical system with fringing field. <i>Journal of Differential Equations</i> , 2020, 269, 7676-7704.	2.2	3
13	Extended families of critical and stationary droplets for nonequilibrium phase transitions in spatially discrete bistable systems. <i>Physical Review E</i> , 2020, 101, 022803.	2.1	3
14	Uncovering Hierarchical Structure in Social Networks Using Isospectral Reductions. , 2018, , .		2
15	GLOBAL AND NON-GLOBAL SOLUTIONS OF A NONLINEAR PARABOLIC EQUATION. <i>Taiwanese Journal of Mathematics</i> , 2005, 9, 187.	0.4	1
16	Phase transitions in Schloegl's second model for autocatalysis on a Bethe lattice. <i>Physical Review E</i> , 2021, 104, 014135.	2.1	1
17	Anomalous Kinetics of Catalytic Conversion Reactions in Linear Nanopores Mediated by Inhibited Transport: Multiscale Modeling. , 2019, , 173-190.		0