

Kirill S Glavatskiy

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

572
citations

687220

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610775

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33
all docs

33
docs citations

33
times ranked

520
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of social influence in Australian real estate: market forecasting with a spatial agent-based model. <i>Journal of Economic Interaction and Coordination</i> , 2023, 18, 5-57.	0.4	10
2	Fisher Information and synchronisation transitions: A case-study of a finite size multi-network Kuramoto-Sakaguchi system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 594, 127059.	1.2	0
3	Diffusive Resettlement: Irreversible Urban Transitions in Closed Systems. <i>Entropy</i> , 2021, 23, 66.	1.1	3
4	Explaining herding and volatility in the cyclical price dynamics of urban housing markets using a large-scale agent-based model. <i>SN Business & Economics</i> , 2021, 1, 1.	0.6	12
5	Revealing configurational attractors in the evolution of modern Australian and US cities. <i>Chaos, Solitons and Fractals</i> , 2021, 148, 111079.	2.5	1
6	Complexity Economics in a Time of Crisis: Heterogeneous Agents, Interconnections, and Contagion. <i>Systems</i> , 2021, 9, 73.	1.2	5
7	City structure shapes directional resettlement flows in Australia. <i>Scientific Reports</i> , 2020, 10, 8235.	1.6	12
8	Interfacially driven transport theory: a way to unify Marangoni and osmotic flows. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10114-10124.	1.3	4
9	Dynamic resettlement as a mechanism of phase transitions in urban configurations. <i>Physical Review E</i> , 2019, 99, 042143.	0.8	14
10	Effect of pore size on the interfacial resistance of a porous membrane. <i>Journal of Membrane Science</i> , 2017, 524, 738-745.	4.1	15
11	Surface tension of molecular liquids: Lattice gas approach. <i>Journal of Molecular Liquids</i> , 2017, 235, 119-125.	2.3	5
12	Thermodynamic Resistance to Matter Flow at The Interface of a Porous Membrane. <i>Langmuir</i> , 2016, 32, 3400-3411.	1.6	23
13	Nonlocal response functions for predicting shear flow of strongly inhomogeneous fluids. I. Sinusoidally driven shear and sinusoidally driven inhomogeneity. <i>Physical Review E</i> , 2015, 91, 062132.	0.8	13
14	Nonlocal response functions for predicting shear flow of strongly inhomogeneous fluids. II. Sinusoidally driven shear and multisinusoidal inhomogeneity. <i>Physical Review E</i> , 2015, 92, 012108.	0.8	12
15	Local equilibrium and the second law of thermodynamics for irreversible systems with thermodynamic inertia. <i>Journal of Chemical Physics</i> , 2015, 143, 164101.	1.2	6
16	Lagrangian formulation of irreversible thermodynamics and the second law of thermodynamics. <i>Journal of Chemical Physics</i> , 2015, 142, 204106.	1.2	7
17	Compressibility, thermal expansion coefficient and heat capacity of CH ₄ and CO ₂ hydrate mixtures using molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 2869-2883.	1.3	82
18	On the relation between the Langmuir and thermodynamic flux equations. <i>Frontiers in Physics</i> , 2014, 1, .	1.0	7

#	ARTICLE	IF	CITATIONS
19	Curvature dependence of the interfacial heat and mass transfer coefficients. Journal of Chemical Physics, 2014, 140, 104708.	1.2	3
20	Non-equilibrium thermodynamics for surfaces; square gradient theory. European Physical Journal: Special Topics, 2013, 222, 161-175.	1.2	4
21	Thermal phenomena associated with water transport across a fuel cell membrane: Soret and Dufour effects. Journal of Membrane Science, 2013, 431, 96-104.	4.1	13
22	Effect of compressibility in bubble formation in closed systems. Journal of Chemical Physics, 2013, 138, 204708.	1.2	11
23	Linear and nonlinear density response functions for a simple atomic fluid. Journal of Chemical Physics, 2013, 139, 044510.	1.2	13
24	Toward a Possibility To Exchange CO ₂ and CH ₄ in sl Clathrate Hydrates. Journal of Physical Chemistry B, 2012, 116, 3745-3753.	1.2	24
25	Mechanical properties of clathrate hydrates: status and perspectives. Energy and Environmental Science, 2012, 5, 6779.	15.6	161
26	Local equilibrium of the Gibbs interface in two-phase systems. Europhysics Letters, 2012, 97, 40002.	0.7	26
27	Multicomponent Interfacial Transport. , 2011, , .		3
28	Resistances for heat and mass transfer through a liquid-vapor interface in a binary mixture. Journal of Chemical Physics, 2010, 133, 234501.	1.2	15
29	Transport of heat and mass in a two-phase mixture: From a continuous to a discontinuous description. Journal of Chemical Physics, 2010, 133, 144709.	1.2	19
30	Numerical solution of the nonequilibrium square-gradient model and verification of local equilibrium for the Gibbs surface in a two-phase binary mixture. Physical Review E, 2009, 79, 031608.	0.8	27
31	Nonequilibrium properties of a two-dimensionally isotropic interface in a two-phase mixture as described by the square gradient model. Physical Review E, 2008, 77, 061101.	0.8	22