

Arun K Dutt

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

76
citations

1684188

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1474206

9
g-index

11
all docs

11
docs citations

11
times ranked

29
citing authors

#	ARTICLE	IF	CITATIONS
1	Stirring and mixing effects on chemical instabilities: bistability of the bromate/bromide/cerium(3+) system. The Journal of Physical Chemistry, 1990, 94, 4867-4870.	2.9	28
2	Effect of stirring and temperature on a Belousov-Zhabotinskii-like reaction in a batch reactor. The Journal of Physical Chemistry, 1992, 96, 8447-8449.	2.9	21
3	Limit cycles and discontinuous entropy production changes in the reversible Oregonator. Journal of Chemical Physics, 1990, 93, 7929-7935.	3.0	7
4	Linear thermodynamic analysis of the reversible Selkov model: An interpretation of the Chatelier-like principle for local concentration fluctuations near thermodynamic equilibrium. Journal of Chemical Physics, 1990, 92, 3058-3061.	3.0	6
5	Wavenumber Distribution in Hopf-Wave Instability: The Reversible Selkov Model of Glycolytic Oscillation. Journal of Physical Chemistry B, 2005, 109, 17679-17682.	2.6	6
6	Comment on "The Effect of Rapidness of Flow Rate Changes on the Bistable Experiments: The Chlorite/Iodide Reaction". Journal of Physical Chemistry A, 2000, 104, 3257-3258.	2.5	3
7	Reversible Oregonator model revisited: Thermodynamic validity. AIP Advances, 2011, 1, .	1.3	3
8	Local Concentration Deviations in a Glycolytic Model of Nonequilibrium Thermodynamics: Emergence of Bistability from Thermodynamic Theories due to Violation of the Lyapunov Stability Theory. Journal of Physical Chemistry B, 2018, 122, 12049-12059.	2.6	1
9	Chloride Ion Inhibition, Stirring, and Temperature Effects in an Ethylacetoacetate Briggs-Rauscher Oscillator in Phosphoric and Hydrochloric Acids in a Batch Reactor. Journal of Physical Chemistry B, 2019, 123, 3525-3534.	2.6	1
10	The effect of diffusion on the Hopf bifurcation in a model chemical reaction exhibiting oscillatory behavior. Journal of Chemical Physics, 1991, 94, 6807-6810.	3.0	0