## Laurence Rongy

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4098627/publications.pdf

Version: 2024-02-01

361413 477307 37 833 20 29 citations h-index g-index papers 39 39 39 361 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Control of Convective Dissolution by Chemical Reactions: General Classification and Application to <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mi>CO</mml:mi></mml:mrow><mml:mrow><mr 113,="" 114501.<="" 2014,="" aqueous="" in="" letters,="" physical="" reactive="" review="" solutions.="" td=""><td>nl:<mark>7.8</mark> nl:mn&gt;2<!--</td--><td>mml:mn&gt;</td></td></mr></mml:mrow></mml:msub></mml:mrow></mml:math>	nl: <mark>7.8</mark> nl:mn>2 </td <td>mml:mn&gt;</td>	mml:mn>
2	Dynamics of <a 1998="" display="inline" href="mml:math.xmlns:mml=" http:="" math="" mathml"="" www.w3.org=""> <a href="mml:mi&gt;A&lt;/a&gt; /mml:mi&gt;&lt;a href=" mml:mo="">+</a> /mml:mo&gt; <a href="mml:mi&gt;B&lt;/a&gt; /mml:mi&gt;&lt;a href=" mml:mo="">"&gt; <a href="mml:mi&gt;B&lt;/a&gt; /mml:mi&gt;&lt;a href=" mml:mo="">"&gt; <a href="mml:mi&gt;B&lt;/a&gt; /mml:mi&gt;&lt;a href=" mml:mo="">"&gt; <a href="mml:mi&gt;B&lt;/a&gt; /mml:mi&gt;&lt;a href=" mml:mi="">A</a> /mml:mo&gt; <a href="mml:mi&gt;B&lt;/a&gt; /mml:mi&gt;&lt;a href=" mml:mi="">B</a> /mml:mi&gt;<a href="mml:mi&gt;B&lt;/a&gt; /mml:mi&gt;&lt;a href=" mml:mi="">B</a> /mml:mi&gt;B</a> /mml:mi&gt;</a></a></a>		

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19	Density profiles around <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:mo>+<td>&gt; cmml:mi: 2.1</td><td>&gt;Bs/mml:m</td></mml:mo></mml:mrow></mml:math>	> cmml:mi: 2.1	>Bs/mml:m
20	Solitary Marangoni-driven convective structures in bistable chemical systems. Physical Review E, 2008, 77, 046310.	2.1	21
21	Asymptotic structure of steady nonlinear reaction-diffusion-Marangoni convection fronts. Physics of Fluids, 2008, 20, .	4.0	17
22	Buoyancy-driven convection around exothermic autocatalytic chemical fronts traveling horizontally in covered thin solution layers. Journal of Chemical Physics, 2009, 131, 184701.	3.0	16
23	Influence of Marangoni flows on the dynamics of isothermal A + B → C reaction fronts. Journal of Chemical Physics, 2016, 145, 124701.	3.0	16
24	Making a Simple <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:mo>+</mml:mo><mml:mi>B</mml:mi><mml:mo>â†' Reaction Oscillate by Coupling to Hydrodynamic Effect. Physical Review Letters, 2019, 122, 244502.</mml:mo></mml:mrow></mml:math>	/n <b>///al:</b> mo>	< <b>105</b> ml:mi>C
25	Interaction of Pure Marangoni Convection with a Propagating Reactive Interface under Microgravity. Physical Review Letters, 2018, 121, 024501.	7.8	14
26	Differential Diffusivity Effects in Reactive Convective Dissolution. Fluids, 2018, 3, 83.	1.7	13
27	Chemo-hydrodynamic pulsations in simple batch A + B → C systems. Journal of Chemical Physics, 2021, 154, 114501.	3.0	10
28	Enhanced convective dissolution due to an A + B â†' C reaction: control of the non-linear dynamics <i>via</i> solutal density contributions. Physical Chemistry Chemical Physics, 2019, 21, 6432-6442.	2.8	8
29	Chemically-driven convective dissolution. Physical Chemistry Chemical Physics, 2019, 21, 19054-19064.	2.8	7
30	Reactive convective dissolution with differential diffusivities: Nonlinear simulations of onset times and asymptotic fluxes. Physical Review Fluids, 2020, 5, .	2.5	7
31	From Transport Phenomena to Systems Chemistry: Chemohydrodynamic Oscillations in A+B→C Systems. ChemSystemsChem, 2022, 4, e2100023.	2.6	6
32	Complex dynamics of interacting fronts in a simple A+B→C reaction-diffusion system. Physical Review E, 2019, 100, 030201.	2.1	4
33	Spatial and Temporal Oscillations of Surface Tension Induced by an A + B $\hat{a}$ † C Traveling Front. Frontiers in Physics, 2022, 10, .	2.1	3
34	Critical Role of Layer Thickness in Frontal Polymerization. Journal of Physical Chemistry B, 2022, 126, 3607-3618.	2.6	3
35	Modelling the propagation of a dynamical signature in gene expression mediated by the transport of extracellular microRNAs. Molecular BioSystems, 2017, 13, 2379-2391.	2.9	2
36	Control of chemically driven convective dissolution by differential diffusion effects. Physical Review Fluids, 2021, 6, .	2.5	2

 #	Article	IF	CITATIONS
37	Connecting gene expression to cellular movement: A transport model for cell migration. Physical Review E, 2019, 100, 032412.	2.1	1