

Conor J Waldron

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

405
citations

1163065

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h-index

1058452

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g-index

15
all docs

15
docs citations

15
times ranked

484
citing authors

#	ARTICLE	IF	CITATIONS
1	Model-based design of transient flow experiments for the identification of kinetic parameters. Reaction Chemistry and Engineering, 2020, 5, 112-123.	3.7	30
2	Silicon microfabricated reactor for <i>in operando</i> XAS/DRIFTS studies of heterogeneous catalytic reactions. Catalysis Science and Technology, 2020, 10, 7842-7856.	4.1	6
3	A Multi-Objective Optimal Experimental Design Framework for Enhancing the Efficiency of Online Model Identification Platforms. Engineering, 2019, 5, 1049-1059.	6.7	7
4	An online reparametrisation approach for robust parameter estimation in automated model identification platforms. Computers and Chemical Engineering, 2019, 124, 270-284.	3.8	16
5	An autonomous microreactor platform for the rapid identification of kinetic models. Reaction Chemistry and Engineering, 2019, 4, 1623-1636.	3.7	49
6	On the Use of Online Reparametrization in Automated Platforms for Kinetic Model Identification. Chemie-Ingenieur-Technik, 2019, 91, 268-276.	0.8	3
7	Closed-Loop Model-Based Design of Experiments for Kinetic Model Discrimination and Parameter Estimation: Benzoic Acid Esterification on a Heterogeneous Catalyst. Industrial & Engineering Chemistry Research, 2019, 58, 22165-22177.	3.7	19
8	Three step synthesis of benzylacetone and 4-(4-methoxyphenyl)butan-2-one in flow using micropacked bed reactors. Chemical Engineering Journal, 2019, 377, 119976.	12.7	2
9	System-density fluctuations and electro-dissociation of methane clathrate hydrates in externally-applied static electric fields. Journal of Chemical Thermodynamics, 2018, 117, 68-80.	2.0	30
10	Online model-based redesign of experiments for improving parameter precision in continuous flow reactors. IFAC-PapersOnLine, 2018, 51, 359-364.	0.9	0
11	Deactivation Behavior of Supported Gold Palladium Nanoalloy Catalysts during the Selective Oxidation of Benzyl Alcohol in a Micropacked Bed Reactor. Industrial & Engineering Chemistry Research, 2017, 56, 12984-12993.	3.7	9
12	Global-density fluctuations in methane clathrate hydrates in externally applied electromagnetic fields. Journal of Chemical Physics, 2017, 147, 024506.	3.0	22
13	Time-dependent density fluctuations in liquid water. Chemical Physics Letters, 2016, 649, 119-122.	2.6	2
14	Structural and dynamical properties of methane clathrate hydrates from molecular dynamics: Comparison of atomistic and more coarse-grained potential models. Fluid Phase Equilibria, 2016, 413, 235-241.	2.5	8
15	Perspectives on external electric fields in molecular simulation: progress, prospects and challenges. Physical Chemistry Chemical Physics, 2015, 17, 12407-12440.	2.8	202