Hugo de Lasa

List of Publications by Year
in descending order

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162 papers	5,871 citations	126708 33 h-index	91712 69 g-index
166 all docs	166 docs citations	166 times ranked	5383 citing authors

#	Article	IF	Citations
1	Synthetic naphtha recovery from water streams: Vapourâ€liquidâ€“liquid equilibrium (<scp>VLLE</scp>) studies in a dynamic <scp>VL</scp>â€cell unit with high intensity mixing. Canadian Journal of Chemical Engineering, 2022, 100, 607-625.	0.9	5
2	Kinetic Modeling and Quantum Yields: Hydrogen Production via Pd-TiO2 Photocatalytic Water Splitting under Near-UV and Visible Light. Catalysts, 2022, 12, 113.	1.6	2
3	Kinetic Model of Catalytic Steam Gasification of 2-Methoxy-4-methylphenol Using 5% Niâ€“0.25% Ru/Î³Al2O3 in a CREC-Riser Simulator. Catalysts, 2022, 12, 282.	1.6	2
4	A Machine Learning Approach for Phase-Split Calculations in n-Octane/Water and PASN/Water Systems. Processes, 2022, 10, 710.	1.3	0
5	Single bubble in a 3D sand fluidized bed gasifier environment: A CFD-MPPIC simulation. Chemical Engineering Science, 2021, 231, 116291.	1.9	5
6	Thermodynamics and Machine Learning Based Approaches for Vaporâ€“Liquidâ€“Liquid Phase Equilibria in n-Octane/Water, as a Naphthaâ€“Water Surrogate in Water Blends. Processes, 2021, 9, 413.	1.3	5
7	Phase equilibrium in n-octane/water separation units: vapor pressures, vapor and liquid molar fractions. International Journal of Chemical Reactor Engineering, 2021, 19, 767-777.	0.6	0
8	Hydrogen Production via Pd-TiO2 Photocatalytic Water Splitting under Near-UV and Visible Light: Analysis of the Reaction Mechanism. Catalysts, 2021, 11, 405.	1.6	33
9	Photocatalytic Conversion of Organic Pollutants in Air: Quantum Yields Using a Silver/Nitrogen/TiO2 Mesoporous Semiconductor under Visible Light. Catalysts, 2021, 11, 529.	1.6	7
10	Dancing with Bubbles: Deterministic versus Probabilistic Bubble Models in Dense Phase Sand Fluidized Beds for Biomass Gasification. Processes, 2021, 9, 1092.	1.3	2
11	CO2-Derived Carbon Capture Using Microalgae and Sodium Bicarbonate in a PhotoBioCREC Unit: Kinetic Modeling. Processes, 2021, 9, 1296.	1.3	2
12	Synthesis and Performance of Photocatalysts for Photocatalytic Hydrogen Production: Future Perspectives. Catalysts, 2021, 11, 1505.	1.6	11
13	Syngas chemical looping combustion using a highly performing fluidizable oxygen carrier. Catalysis Today, 2020, 343, 63-71.	2.2	12
14	A Mid-Infrared Region (MIR) lumped Group Contribution based method for monitoring light gases and gasolines in Fluid Catalytic Cracking. Chemical Engineering Science, 2020, 212, 115324.	1.9	4
15	Hybrid Particle Cluster CPFD Simulation in the Acceleration and Stabilized Sections of a Downflow Circulating Fluidized Bed. Industrial & Engineering Chemistry Research, 2020, 59, 20325-20336.	1.8	4
16	CO2-Derived Carbon Capture and Photon Absorption Efficiency by Microalgae in Novel PhotoBioCREC. Industrial & Engineering Chemistry Research, 2020, 59, 14710-14716.	1.8	8
17	An Eco-Friendly Fluidizable FexOy/CaO-Î³-Al2O3 Catalyst for Tar Cracking during Biomass Gasification. Catalysts, 2020, 10, 806.	1.6	14
18	Photocatalysis for Air Treatment Processes: Current Technologies and Future Applications for the Removal of Organic Pollutants and Viruses. Catalysts, 2020, 10, 966.	1.6	24

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19	Ru-Promoted Ni/iŠAl2O3 Fluidized Catalyst for Biomass Gasification. Catalysts, 2020, 10, 316.	1.6	11
20	Single-Bubble Dynamics in a Dense Phase Fluidized Sand Bed Biomass Gasification Environment. Industrial & Engineering Chemistry Research, 2020, 59, 5601-5614.	1.8	7
21	Synergy in the Cocracking under FCC Conditions of a Phenolic Compound in the Bio-oil and a Model Compound for Vacuum Gasoil. Industrial & Engineering Chemistry Research, 2020, 59, 8145-8154.	1.8	6
22	CO₂ Capture Using Chemical Looping Combustion from a Biomass-Derived Syngas Feedstock: Simulation of a Riserâ€"Downer Scaled-Up Unit. Industrial & Engineering Chemistry Research, 2020, 59, 6900-6913.	1.8	14
23	Photoreduction of a Pd-Doped Mesoporous TiO2 Photocatalyst for Hydrogen Production under Visible Light. Catalysts, 2020, 10, 74.	1.6	34
24	Propane Oxidative Dehydrogenation on Vanadium-Based Catalysts under Oxygen-Free Atmospheres. Catalysts, 2020, 10, 418.	1.6	23
25	Cluster Acceleration and Stabilization in a Downflow Circulating Fluidized Bed Unit. Industrial & Engineering Chemistry Research, 2020, 59, 12360-12370.	1.8	2
26	To the Distinguished Contribution of Professor Gulsen Dogu and Professor Timur Dogu to Chemical Reaction Engineering. International Journal of Chemical Reactor Engineering, 2019, 17, .	0.6	0
27	Catalyst/Feedstock Ratio Effect on FCC Using Different Catalysts Samples. Catalysts, 2019, 9, 542.	1.6	7
28	A chemical equilibrium model for biomass gasification. Application to Costa Rican coffee pulp transformation unit. Biomass and Bioenergy, 2019, 123, 89-103.	2.9	17
29	Downer fluidized bed reactor modeling for catalytic propane oxidative dehydrogenation with high propylene selectivity. Chemical Engineering and Processing: Process Intensification, 2019, 137, 87-99.	1.8	14
30	110th Anniversary: Kinetic Model for Syngas Chemical Looping Combustion Using a Nickel-Based Highly Performing Fluidizable Oxygen Carrier. Industrial & Engineering Chemistry Research, 2019, 58, 2801-2811.	1.8	16
31	Photochemical Thermodynamic Efficiency Factors (PTEFs) for Hydrogen Production Using Different TiO₂ Photocatalysts. Industrial & Engineering Chemistry Research, 2019, 58, 22225-22235.	1.8	8
32	To the Distinguished Contribution of Professor Gulsen Dogu and Professor Timur Dogu to Chemical Reaction Engineering. International Journal of Chemical Reactor Engineering, 2019, 17, .	0.6	0
33	Photocatalytic Hydrogen Production Under Near-UV Using Pd-Doped Mesoporous TiO2 and Ethanol as Organic Scavenger. Catalysts, 2019, 9, 33.	1.6	19
34	Steam gasification of a cellulosic biomass surrogate using a Ni/La2O3-Î³Al2O3 catalyst in a CREC fluidized riser simulator. Kinetics and model validation. Fuel, 2018, 216, 101-109.	3.4	10
35	Catalytic Cracking of Hydrocarbons in a CREC Riser Simulator Using a Y-Zeolite-Based Catalyst: Assessing the Catalyst/Oil Ratio Effect. Industrial & Engineering Chemistry Research, 2018, 57, 13627-13638.	1.8	24
36	CO₂ biomass fluidized gasification: Thermodynamics and reactivity studies. Canadian Journal of Chemical Engineering, 2018, 96, 2176-2184.	0.9	10

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37	High Propylene Selectivity via Propane Oxidative Dehydrogenation Using a Novel Fluidizable Catalyst: Kinetic Modeling. Industrial & Engineering Chemistry Research, 2018, 57, 10251-10260.	1.8	15
38	Monitoring the progress of catalytic cracking for model compounds in the mid-infrared (MIR) 3200â€“2800â€¯cmâˆ’1 range. Chemical Engineering Science, 2018, 192, 788-802.	1.9	10
39	The Effect of Zn on Offretite Zeolite Properties. Acidic Characterizations and NH₃-TPD Desorption Models. Industrial & Engineering Chemistry Research, 2017, 56, 1948-1960.	1.8	21
40	Particle cluster sizing in downer units. Applicable methodology across downer scale units. Powder Technology, 2017, 316, 198-206.	2.1	8
41	Scaling-up down flow reactors. CPFD simulations and model validation. Computers and Chemical Engineering, 2017, 101, 226-242.	2.0	10
42	Photocatalytic hydrogen production using mesoporous TiO2 doped with Pt. Applied Catalysis B: Environmental, 2017, 211, 337-348.	10.8	243
43	Propane Oxidative Dehydrogenation Using Consecutive Feed Injections and Fluidizable VO_x/Î³Al₂O₃ and VO_x/ZrO₂â€“Î³Al₂O₃ Catalysts. Industrial & Engineering Chemistry Research, 2017, 56, 13109-13124.	1.8	31
44	Kinetics of the pollutant photocatalytic conversion in a Photo-CREC-Air Reactor. Chemical Engineering Journal, 2017, 317, 1069-1082.	6.6	9
45	Computational Fluid Dynamics study of the CREC Riser Simulator: Mixing patterns. Powder Technology, 2017, 316, 641-649.	2.1	14
46	Fluidized bed oxidative dehydrogenation of ethane to ethylene over VOx/Ce-Î³Al2O3 catalysts: Reduction kinetics and catalyst activity. Molecular Catalysis, 2017, 443, 78-91.	1.0	24
47	Hydrogen Production via Water Dissociation Using Ptâ€“TiO2 Photocatalysts: An Oxidationâ€“Reduction Network. Catalysts, 2017, 7, 324.	1.6	24
48	Efficiency Factors in Photocatalytic Reactors: Quantum Yield and Photochemical Thermodynamic Efficiency Factor. Chemical Engineering and Technology, 2016, 39, 51-65.	0.9	18
49	Hydrogen production using a platinum modified TiO2 photocatalyst and an organic scavenger. Kinetic modeling. Fuel, 2016, 181, 438-449.	3.4	24
50	CPFD modeling and experimental validation of gasâ€“solid flow in a down flow reactor. Computers and Chemical Engineering, 2016, 90, 79-93.	2.0	29
51	Photodegradation Efficiencies in a Photo-CREC Water-II Reactor Using Several TiO2 Based Catalysts. International Journal of Chemical Reactor Engineering, 2016, 14, 685-701.	0.6	3
52	Energy efficiency limits in Photo-CREC-Air photocatalytic reactors. Chemical Engineering Science, 2016, 156, 77-88.	1.9	9
53	A fluidizable Zn-offretite for selective thiophenic species adsorption. Additive performance under FCC conditions. Fuel, 2016, 186, 222-234.	3.4	11
54	Novel Fluidizable K-Doped HAc-Li₄SiO₄ Sorbent for CO₂ Capture Preparation and Characterization. Industrial & Engineering Chemistry Research, 2016, 55, 12524-12531.	1.8	38

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55	Immobilized particle coating for optimum photon and TiO 2 utilization in scaled air treatment photo reactors. Applied Catalysis B: Environmental, 2016, 198, 211-223.	10.8	31
56	A Zn-Offretite for the adsorption of thiophenic species under fluidized catalytic cracking conditions. Synthesis, characterization and reactivity. Applied Catalysis B: Environmental, 2016, 189, 160-171.	10.8	5
57	Self Diffusivity of n-Dodecane and Benzothiophene in ZSM-5 Zeolites. Its Significance for a New Catalytic Light Diesel Desulfurization Process. International Journal of Chemical Reactor Engineering, 2016, 14, 737-748.	0.6	3
58	Eight-lamp externally irradiated bench-scale photocatalytic reactor: Scale-up and performance prediction. Chemical Engineering Journal, 2015, 282, 142-151.	6.6	14
59	A CPFD model for a bubbly biomassâ€“sand fluidized bed. Powder Technology, 2015, 275, 39-50.	2.1	35
60	Photocatalytic reactor under different external irradiance conditions: Validation of a fully predictive radiation absorption model. Chemical Engineering Science, 2015, 126, 42-54.	1.9	17
61	Photocatalytic degradation of malic acid using a thin coated TiO₂â€film: Insights on the mechanism of photocatalysis. AICHE Journal, 2014, 60, 3286-3299.	1.8	9
62	Diffusion and Equilibrium Adsorption Coefficients of Aromatic Hydrocarbon Species in Capillary Columns. International Journal of Chemical Reactor Engineering, 2014, 12, 597-609.	0.6	1
63	Boundary conditions and phase functions in a Photo-CREC Water-II reactor radiation field. Chemical Engineering Science, 2014, 107, 123-136.	1.9	31
64	Kinetic Modeling of Propane Oxidative Dehydrogenation over VO_x/Î³-Al₂O₃ Catalysts in the Chemical Reactor Engineering Center Riser Reactor Simulator. Industrial & Engineering Chemistry Research, 2014, 53, 15317-15332.	1.8	17
65	Selective adsorption of thiophene using a HIPZD additive in FCC. Fuel, 2014, 128, 71-87.	3.4	10
66	Simultaneous estimation of kinetics and catalysts activity during cracking of 1,3,5-tri-isopropyl benzene on FCC catalyst. Catalysis Today, 2014, 220-222, 178-185.	2.2	9
67	HZSM-5 Zeolites with Different SiO₂/Al₂O₃ Ratios. Characterization and NH₃ Desorption Kinetics. Industrial & Engineering Chemistry Research, 2014, 53, 15303-15316.	1.8	235
68	Neat dimethyl ether conversion to olefins (DTO) over HZSM-5: Effect of SiO2/Al2O3 on porosity, surface chemistry, and reactivity. Fuel, 2014, 138, 52-64.	3.4	58
69	Fluidizable Ni/La2O3-Î³Al2O3 catalyst for steam gasification of a cellulosic biomass surrogate. Applied Catalysis B: Environmental, 2014, 160-161, 67-79.	10.8	46
70	Establishing photon absorption fields in a Photo-CREC Water II Reactor using a CREC-spectroradiometric probe. Chemical Engineering Science, 2014, 116, 406-417.	1.9	24
71	Integrated CO2 capture, wastewater treatment and biofuel production by microalgae culturingâ€”A review. Renewable and Sustainable Energy Reviews, 2013, 27, 622-653.	8.2	483
72	Catalyst activity decay due to pore blockage during catalytic cracking of hydrocarbons. Fuel, 2013, 110, 89-98.	3.4	28

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73	CPFD flow pattern simulation in downer reactors. AICHE Journal, 2013, 59, 1635-1647.	1.8	49
74	Ni based oxygen carrier over Î³-Al2O3 for chemical looping combustion: Effect of preparation method on metal support interaction. Catalysis Today, 2013, 210, 124-134.	2.2	32
75	VOx/c-Al2O3 catalyst for oxidative dehydrogenation of ethane to ethylene: Desorption kinetics and catalytic activity. Applied Catalysis A: General, 2013, 450, 120-130.	2.2	83
76	Determination of Kinetic Parameter in a Unified Kinetic Model for the Photodegradation of Phenol by Using Nonlinear Regression and the Genetic Algorithm. International Journal of Chemical Reactor Engineering, 2013, 11, 641-656.	0.6	7
77	Quantum yield with platinum modified TiO2 photocatalyst for hydrogen production. Applied Catalysis B: Environmental, 2013, 140-141, 523-536.	10.8	69
78	Particle clusters and drag coefficients in gasâ€“solid downer units. Chemical Engineering Journal, 2012, 200-202, 439-451.	6.6	22
79	A unified kinetic model for phenol photocatalytic degradation over TiO2 photocatalysts. Chemical Engineering Science, 2012, 78, 186-203.	1.9	43
80	Energy Efficiencies in a Photo-CREC-Air Reactor: Conversion of Model Organic Pollutants in Air. Industrial & Engineering Chemistry Research, 2012, 51, 5715-5727.	1.8	10
81	Steam gasification of a cellulose surrogate over a fluidizable Ni/Î±â€alumina catalyst: A kinetic model. AICHE Journal, 2012, 58, 1588-1599.	1.8	7
82	Influence of zeolite crystallite size on methyl-cyclohexane catalytic conversion products. Fuel, 2012, 96, 511-523.	3.4	10
83	Downer reactor flow measurements using CREC-GS-Optiprobes. Powder Technology, 2012, 224, 1-11.	2.1	14
84	Catalytic Steam Gasification of Biomass: Catalysts, Thermodynamics and Kinetics. Chemical Reviews, 2011, 111, 5404-5433.	23.0	362
85	TiO2 absorption and scattering coefficients using Monte Carlo method and macroscopic balances in a photo-CREC unit. Chemical Engineering Science, 2011, 66, 5813-5821.	1.9	29
86	FCC gasoline desulfurization using a ZSM-5 catalyst. Fuel, 2011, 90, 2016-2025.	3.4	23
87	The photochemical thermodynamic efficiency factor (PTEF) in photocatalytic reactors for air treatment. Chemical Engineering Journal, 2010, 165, 891-901.	6.6	16
88	Modeling thermal and catalytic conversion of decalin under industrial FCC operating conditions. Chemical Engineering Science, 2010, 65, 626-644.	1.9	19
89	Biomass Catalytic Steam Gasification Thermodynamics Analysis and Reaction Experiments in a CREC Riser Simulator. Industrial & Engineering Chemistry Research, 2010, 49, 6834-6844.	1.8	31
90	Evaluation of Photon Absorption in an Aqueous TiO₂ Slurry Reactor Using Monte Carlo Simulations and Macroscopic Balance. Industrial & Engineering Chemistry Research, 2010, 49, 10524-10534.	1.8	63

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91	Kinetic modeling of catalytic conversion of methylcyclohexane over USY zeolites: Adsorption and reaction phenomena. AICHE Journal, 2009, 55, 1538-1558.	1.8	25
92	Nickel on lanthanum-modified Î³-Al2O3 oxygen carrier for CLC: Reactivity and stability. Catalysis Today, 2009, 143, 179-186.	2.2	58
93	Thiophene conversion under mild conditions over a ZSM-5 catalyst. Chemical Engineering Science, 2009, 64, 2539-2561.	1.9	31
94	Catalytic Conversion of Thiophene under Mild Conditions over a ZSM-5 Catalyst. A Kinetic Model. Industrial & Engineering Chemistry Research, 2009, 48, 7505-7516.	1.8	27
95	Reactivity and stability of Ni/Al2O3 oxygen carrier for chemical-looping combustion (CLC). Chemical Engineering Science, 2008, 63, 2994-3007.	1.9	96
96	A Bentonitic Clay Assisted Method for the Preparation of 2-(R-Anilino)-1, 4-Naphthoquinones. Topics in Catalysis, 2008, 49, 281-287.	1.3	12
97	Reduction kinetics of a fluidizable nickelâ€“alumina oxygen carrier for chemicalâ€looping combustion. Canadian Journal of Chemical Engineering, 2008, 86, 323-334.	0.9	61
98	Enhanced mineralization of phenol and other hydroxylated compounds in a photocatalytic process assisted with ferric ions. Chemical Engineering Science, 2008, 63, 520-557.	1.9	29
99	Chemical-looping combustion (CLC) for inherent <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si144.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>CO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:mrow><mml:mi>separationsâ€"a review. Chemical Engineering Science, 2008, 63, 4433-4451.	1.9	855
100	Heterogeneous Approach to the Catalytic Cracking of Vacuum Gas Oil. Industrial & Engineering Chemistry Research, 2008, 47, 7631-7641.	1.8	20
101	Desulfurization of FCC Gasoline: Novel Catalytic Processes with Zeolites. International Journal of Chemical Reactor Engineering, 2008, 6, .	0.6	8
102	Photocatalytic Oxidation of Phenol:â€‰ Reaction Network, Kinetic Modeling, and Parameter Estimation. Industrial & Engineering Chemistry Research, 2007, 46, 7394-7409.	1.8	44
103	Reactivity and stability of Co-Ni/Al2O3 oxygen carrier in multicycle CLC. AICHE Journal, 2007, 53, 1817-1829.	1.8	119
104	Photocatalytic degradation of methyl parathion: Reaction pathways and intermediate reaction products. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 186, 71-84.	2.0	95
105	Catalytic Desulfurization of Gasoline via Dehydrosulfidation. Industrial & Engineering Chemistry Research, 2006, 45, 1291-1299.	1.8	18
106	Kinetic Modeling of Catalytic Cracking of Gas Oil Feedstocks:â€‰ Reaction and Diffusion Phenomena. Industrial & Engineering Chemistry Research, 2006, 45, 1583-1593.	1.8	26
107	Flow field investigation in a photocatalytic reactor for air treatment (Photo-CRECâ€"air). Chemical Engineering Science, 2006, 61, 3343-3361.	1.9	27
108	Effect of steaming treatment in the structure and reactivity of FCC catalysts. AICHE Journal, 2006, 52, 754-768.	1.8	19

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109	Photocatalytic Degradation of Air Borne Pollutants. , 2005, , 149-168.		1
110	Water Decontamination of Organic Species: Modeling Reaction and Adsorption Processes. , 2005, , 133-147.		0
111	Novel Photocatalytic Reactors for Water and Air Treatment. , 2005, , 17-47.		12
112	Butane dehydrogenation on vanadium supported catalysts under oxygen free atmosphere. Applied Catalysis A: General, 2004, 272, 69-78.	2.2	39
113	Kinetic modeling of the photocatalytic degradation of air-borne pollutants. AICHE Journal, 2004, 50, 1017-1027.	1.8	33
114	Steam promoted mesoporosity in USY zeolites: structural properties and 1,2,4-TMB reactivity. Journal of Molecular Catalysis A, 2004, 216, 83-99.	4.8	5
115	Photocatalytic conversion of phenolic compounds in slurry reactors. Chemical Engineering Science, 2004, 59, 3-15.	1.9	75
116	Particle velocity and particle clustering in down-flow reactors. Powder Technology, 2004, 148, 172-185.	2.1	25
117	Adsorption and catalytic reaction in FCC catalysts using a novel fluidized CREC riser simulator. Chemical Engineering Science, 2004, 59, 5663-5669.	1.9	24
118	FCC catalysts with different zeolite crystallite sizes: acidity, structural properties and reactivity. Applied Catalysis A: General, 2004, 270, 9-25.	2.2	114
119	Adsorption, Diffusion, and Reaction Phenomena on FCC Catalysts in the CREC Riser Simulator. Industrial & Engineering Chemistry Research, 2004, 43, 4709-4720.	1.8	17
120	Photo-catalytic degradation of air borne pollutants apparent quantum efficiencies in a novel photo-CREC-air reactor. Chemical Engineering Science, 2003, 58, 943-949.	1.9	23
121	Catalytic Dry Reforming of Methane in a CREC Riser Simulator Kinetic Modeling and Model Discrimination. Industrial & Engineering Chemistry Research, 2003, 42, 2507-2515.	1.8	27
122	Catalytic Conversion of 1,2,4-Trimethylbenzene in a CREC Riser Simulator. A Heterogeneous Model with Adsorption and Reaction Phenomena. Industrial & Engineering Chemistry Research, 2003, 42, 4162-4173.	1.8	39
123	Photo-catalytic conversion of air borne pollutants Effect of catalyst type and catalyst loading in a novel photo-CREC-air unit. Applied Catalysis B: Environmental, 2002, 38, 201-213.	10.8	37
124	The role of diffusion in alkyl-benzenes catalytic cracking. Applied Catalysis A: General, 2002, 226, 139-153.	2.2	90
125	Diffusion and catalytic cracking of 1,3,5 tri-iso-propyl-benzene in FCC catalysts. Chemical Engineering Science, 2002, 57, 4909-4920.	1.9	64
126	Catalytic Cracking of Cumene in a Riser Simulator:Â A Catalyst Activity Decay Model. Industrial & Engineering Chemistry Research, 2001, 40, 5398-5404.	1.8	36

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127	Preface:Â Engineering Foundation Conference in Barga, Italy. Industrial & Engineering Chemistry Research, 2001, 40, 5043-5043.	1.8	0
128	Heat-Transfer Prediction in the Riser of a Novel Fluidized Catalytic Cracking Unit. Industrial & Engineering Chemistry Research, 2001, 40, 4623-4632.	1.8	0
129	Fluidizable catalyst for methane reforming. Applied Catalysis A: General, 2001, 210, 315-324.	2.2	22
130	Diffusion and reactivity of gas oil in FCC catalysts. Canadian Journal of Chemical Engineering, 2001, 79, 341-348.	0.9	31
131	Eggshell catalyst in Fischerâ€"Tropsch synthesis. Chemical Engineering Science, 2001, 56, 1239-1245.	1.9	31
132	Catalytic Cracking of Alkylbenzenes. Y-zeolites with Different Crystal Sizes. Studies in Surface Science and Catalysis, 2001, 134, 279-292.	1.5	8
133	Modelling FCC units under steady and unsteady state conditions. Canadian Journal of Chemical Engineering, 2000, 78, 111-123.	0.9	39
134	Particle clustering in down flow reactors. Powder Technology, 2000, 108, 6-20.	2.1	39
135	Egg-shell catalyst for the synthesis of middle distillates. Studies in Surface Science and Catalysis, 2000, 130, 395-400.	1.5	4
136	C1â€"C4 Hydrocarbons from synthesis gas Reaction network modelling. Chemical Engineering Science, 1999, 54, 3391-3397.	1.9	4
137	Photocatalytic degradation of water organic pollutants: pollutant reactivity and kinetic modeling. Chemical Engineering Science, 1999, 54, 3063-3069.	1.9	32
138	MTBE synthesis in a novel riser simulator. Canadian Journal of Chemical Engineering, 1999, 77, 413-419.	0.9	9
139	A sporulation kinetic model for batch growth of B. thuringiensis. Canadian Journal of Chemical Engineering, 1999, 77, 903-910.	0.9	22
140	Novel Photocatalytic Reactor for the Destruction of Airborne Pollutants Reaction Kinetics and Quantum Yields. Industrial & Engineering Chemistry Research, 1999, 38, 3211-3217.	1.8	26
141	Activity and Selectivity of Fluidized Catalytic Cracking Catalysts in a Riser Simulator:Â The Role of Y-Zeolite Crystal Size. Industrial & Engineering Chemistry Research, 1999, 38, 1350-1356.	1.8	31
142	FIBRE OPTIC AND CAPACITANCE PROBES IN TURBULENT FLUIDIZED BEDS. Chemical Engineering Communications, 1997, 157, 73-107.	1.5	11
143	Heats of Catalytic Cracking. Determination in a Riser Simulator Reactor. Industrial & Engineering Chemistry Research, 1997, 36, 4516-4522.	1.8	14
144	FCC Riser Unit Operated in the Heat-Transfer Mode:â€‰ Kinetic Modeling. Industrial & Engineering Chemistry Research, 1997, 36, 3223-3229.	1.8	18

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145	Photocatalytic Degradation of Water Organic Pollutants. Kinetic Modeling and Energy Efficiency. Industrial & Engineering Chemistry Research, 1997, 36, 4705-4711.	1.8	70
146	Catalytic cracking of hydrocarbons in a novel Riser Simulator: Lump adsorption parameters under reaction conditions. Chemical Engineering Science, 1996, 51, 1799-1806.	1.9	20
147	Compound catalyst for high yields of olefins from synthesis gas. Chemical Engineering Science, 1996, 51, 2885-2890.	1.9	4
148	Riser Simulator: Testing of Adsorption Effects. ACS Symposium Series, 1996, , 312-321.	0.5	0
149	Catalytic Cracking with FCCT Loaded with Tin Metal Traps. Adsorption Constants for Gas Oil, Gasoline and Light Gases. Industrial & Engineering Chemistry Research, 1994, 33, 3131-3140.	1.8	13
150	Kinetic modeling of catalytic cracking of gas oils using in situ traps (FCCT) to prevent metal contaminant effects. Industrial & Engineering Chemistry Research, 1993, 32, 1071-1080.	1.8	13
151	Kinematic waves and flow patterns in bubble columns and three-phase fluidized beds. Chemical Engineering Science, 1992, 47, 3403-3410.	1.9	10
152	Pseudoadiabatic catalytic reactor operation for the conversion of synthesis gas into hydrocarbons (gasoline range). Industrial & Engineering Chemistry Research, 1991, 30, 1448-1455.	1.8	21
153	Cracking catalysts deactivation by nickel and vanadium contaminants. Industrial & Engineering Chemistry Research, 1990, 29, 2181-2191.	1.8	28
154	Fast catalytic cracking of heavy gas oils: modeling coke deactivation. Industrial & Engineering Chemistry Research, 1990, 29, 171-180.	1.8	38
155	Modelling the kinetics of fast catalytic cracking reactions. Canadian Journal of Chemical Engineering, 1989, 67, 955-962.	0.9	1
156	The pseudoadiabatic regime for catalytic fixed bed reactors: The limiting operating conditions. The Chemical Engineering Journal, 1987, 34, 47-53.	0.4	7
157	Cooling exothermic catalytic fixed bed reactors: Coâ€current versus countercurrent operation in a methanol conversion reactor. Canadian Journal of Chemical Engineering, 1987, 65, 1021-1026.	0.9	5
158	Evaluation of the moment method technique for the definition of adsorption parameters in a packed bed. Chemical Engineering Science, 1986, 41, 1233-1242.	1.9	8
159	Bubble measurement in threeâ€phase fluidized beds using a uâ€shaped optical fiber. Canadian Journal of Chemical Engineering, 1984, 62, 165-169.	0.9	51
160	Application of the pseudoadiabatic operation to catalytic fixed bed reactors case of the orthoxylene oxidation. Canadian Journal of Chemical Engineering, 1983, 61, 710-718.	0.9	18
161	Entrained coal gasifiers: Modeling the particle acceleration. Canadian Journal of Chemical Engineering, 1981, 59, 658-661.	0.9	1
162	Vapourâ€"liquidâ€"liquid and vapourâ€"liquid equilibrium of paraffinic aromatic synthetic naphtha/water blends: Prediction of the number of phases. Canadian Journal of Chemical Engineering, 0, , .	0.9	2