Jos Mara Arandes

List of Publications by Year in Descending Order

139 papers	3,558 citations	33 h-index	51 g-index
143 ext. papers	4,072 ext. citations	5.9 avg, IF	5.29 L-index

#	Paper	IF	Citations
139	Cracking of plastic pyrolysis oil over FCC equilibrium catalysts to produce fuels: Kinetic modeling. *Fuel*, **2022**, 316, 123341	7.1	0
138	Kinetic modeling for the catalytic cracking of tires pyrolysis oil. *Fuel*, **2022**, 309, 122055	7.1	4
137	Hydrogen Pressure as a Key Parameter to Control the Quality of the Naphtha Produced in the Hydrocracking of an HDPE/VGO Blend. *Catalysts*, **2022**, 12, 543	4	0
136	Detailed nature of tire pyrolysis oil blended with light cycle oil and its hydroprocessed products using a NiW/HY catalyst. *Waste Management*, **2021**, 128, 36-44	8.6	2
135	Waste Refinery: The Valorization of Waste Plastics and End-of-Life Tires in Refinery Units. A Review.. *Energy & Fuels*, **2021**, 35, 3529-3557	4.1	33
134	Different approaches to convert waste polyolefins into automotive fuels via hydrocracking with a NiW/HY catalyst. *Fuel Processing Technology*, **2021**, 220, 106891	7.2	4
133	Product composition and coke deposition in the hydrocracking of polystyrene blended with vacuum gasoil. *Fuel Processing Technology*, **2021**, 224, 107010	7.2	1
132	A Hybrid FCC/HZSM-5 Catalyst for the Catalytic Cracking of a VGO/Bio-Oil Blend in FCC Conditions. *Catalysts*, **2020**, 10, 1157	4	4
131	Lessening coke formation and boosting gasoline yield by incorporating scrap tire pyrolysis oil in the cracking conditions of an FCC unit. *Energy Conversion and Management*, **2020**, 224, 113327	10.6	7
130	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	3.9	3
129	Towards waste refinery: Co-feeding HDPE pyrolysis waxes with VGO into the catalytic cracking unit. *Energy Conversion and Management*, **2020**, 207, 112554	10.6	17
128	Scrap tires pyrolysis oil as a co-feeding stream on the catalytic cracking of vacuum gasoil under fluid catalytic cracking conditions. *Waste Management*, **2020**, 105, 18-26	8.6	15
127	Upgrading of heavy coker naphtha by means of catalytic cracking in refinery FCC unit. *Fuel Processing Technology*, **2020**, 205, 106454	7.2	9
126	Upgrading of Bio-oil via Fluid Catalytic Cracking **2020**, 61-96		4
125	Taking advantage of the excess of thermal naphthas to enhance the quality of FCC unit products. *Journal of Analytical and Applied Pyrolysis*, **2020**, 152, 104943	6	3
124	Implications of feeding or cofeeding bio-oil in the fluid catalytic cracker (FCC) in terms of regeneration kinetics and energy balance. *Energy*, **2020**, 209, 118467	7.9	6
123	Converting the Surplus of Low-Quality Naphtha into More Valuable Products by Feeding It to a Fluid Catalytic Cracking Unit. *Industrial & Engineering Chemistry Research*, **2020**, 59, 16868-16875	3.9	5

122	Effect of co-feeding HDPE on the product distribution in the hydrocracking of VGO. *Catalysis Today*, **2020**, 353, 197-203	5.3	8
121	Co-cracking of high-density polyethylene (HDPE) and vacuum gasoil (VGO) under refinery conditions. *Chemical Engineering Journal*, **2020**, 382, 122602	14.7	10
120	Kinetic Modeling of Hydrotreating for Enhanced Upgrading of Light Cycle Oil. *Industrial & Engineering Chemistry Research*, **2019**, 58, 13064-13075	3.9	13
119	Catalytic cracking of raw bio-oil under FCC unit conditions over different zeolite-based catalysts. *Journal of Industrial and Engineering Chemistry*, **2019**, 78, 372-382	6.3	38
118	Fuel production by cracking of polyolefins pyrolysis waxes under fluid catalytic cracking (FCC) operating conditions. *Waste Management*, **2019**, 93, 162-172	8.6	29
117	Screening hydrotreating catalysts for the valorization of a light cycle oil/scrap tires oil blend based on a detailed product analysis. *Applied Catalysis B: Environmental*, **2019**, 256, 117863	21.8	13
116	Effect of the FCC Equilibrium Catalyst Properties and of the Cracking Temperature on the Production of Fuel from HDPE Pyrolysis Waxes. *Energy & Fuels*, **2019**, 33, 5191-5199	4.1	11
115	Coke deposition and product distribution in the co-cracking of waste polyolefin derived streams and vacuum gas oil under FCC unit conditions. *Fuel Processing Technology*, **2019**, 192, 130-139	7.2	17
114	Cracking of Scrap Tires Pyrolysis Oil in a Fluidized Bed Reactor under Catalytic Cracking Unit Conditions. Effects of Operating Conditions. *Energy & Fuels*, **2019**, 33, 3133-3143	4.1	23
113	Production of Non-Conventional Fuels by Catalytic Cracking of Scrap Tires Pyrolysis Oil. *Industrial & Engineering Chemistry Research*, **2019**, 58, 5158-5167	3.9	18
112	Hydrodeoxygenation of raw bio-oil towards platform chemicals over FeMoP/zeolite catalysts. *Journal of Industrial and Engineering Chemistry*, **2019**, 80, 392-400	6.3	18
111	Assessing the potential of the recycled plastic slow pyrolysis for the production of streams attractive for refineries. *Journal of Analytical and Applied Pyrolysis*, **2019**, 142, 104668	6	14
110	Influence of the Composition of Raw Bio-Oils on Their Valorization in Fluid Catalytic Cracking Conditions. *Energy & Fuels*, **2019**, 33, 7458-7465	4.1	9
109	Characterization of flow and transport dynamics in karst aquifers by analyzing tracer test results in conduits and recharge areas (the Egino Massif, Basque Country, Spain): environmental and management implications. *Environmental Earth Sciences*, **2018**, 77, 1	2.9	5
108	Upgrading of high-density polyethylene and light cycle oil mixtures to fuels via hydroprocessing. *Catalysis Today*, **2018**, 305, 212-219	5.3	15
107	Revealing the pathways of catalyst deactivation by coke during the hydrodeoxygenation of raw bio-oil. *Applied Catalysis B: Environmental*, **2018**, 239, 513-524	21.8	54
106	A Data-Driven Reaction Network for the Fluid Catalytic Cracking of Waste Feeds. *Processes*, **2018**, 6, 243	2.9	13
105	Catalyst used in fluid catalytic cracking (FCC) unit as a support of NiMoP catalyst for light cycle oil hydroprocessing. *Fuel*, **2018**, 216, 142-152	7.1	29

104	Solute transport characterization in karst aquifers by tracer injection tests for a sustainable water resource management. *Journal of Hydrology*, **2017**, 547, 269-279	6	13
103	Assessment of thermogravimetric methods for calculating coke combustion-regeneration kinetics of deactivated catalyst. *Chemical Engineering Science*, **2017**, 171, 459-470	4.4	18
102	Stability of an acid activated carbon based bifunctional catalyst for the raw bio-oil hydrodeoxygenation. *Applied Catalysis B: Environmental*, **2017**, 203, 389-399	21.8	91
101	Catalytic deactivation pathways during the cracking of glycerol and glycerol/VGO blends under FCC unit conditions. *Chemical Engineering Journal*, **2017**, 307, 955-965	14.7	19
100	Petcoke-derived functionalized activated carbon as support in a bifunctional catalyst for tire oil hydroprocessing. *Fuel Processing Technology*, **2016**, 144, 239-247	7.2	22
99	Synergy in the Cracking of a Blend of Bio-oil and Vacuum Gasoil under Fluid Catalytic Cracking Conditions. *Industrial & Engineering Chemistry Research*, **2016**, 55, 1872-1880	3.9	57
98	Phosphorus-containing activated carbon as acid support in a bifunctional Pt□Pd catalyst for tire oil hydrocracking. *Catalysis Communications*, **2016**, 78, 48-51	3.2	33
97	Opportunities and barriers for producing high quality fuels from the pyrolysis of scrap tires. *Renewable and Sustainable Energy Reviews*, **2016**, 56, 745-759	16.2	137
96	Dual coke deactivation pathways during the catalytic cracking of raw bio-oil and vacuum gasoil in FCC conditions. *Applied Catalysis B: Environmental*, **2016**, 182, 336-346	21.8	105
95	Prospects for Obtaining High Quality Fuels from the Hydrocracking of a Hydrotreated Scrap Tires Pyrolysis Oil. *Energy & Fuels*, **2015**, 29, 5458-5466	4.1	33
94	Kinetic Modeling of the Hydrotreating and Hydrocracking Stages for Upgrading Scrap Tires Pyrolysis Oil (STPO) toward High-Quality Fuels. *Energy & Fuels*, **2015**, 29, 7542-7553	4.1	21
93	Upgrading model compounds and Scrap Tires Pyrolysis Oil (STPO) on hydrotreating NiMo catalysts with tailored supports. *Fuel*, **2015**, 145, 158-169	7.1	52
92	Effect of Pressure on the Hydrocracking of Light Cycle Oil with a Pt□Pd/HY Catalyst. *Energy & Fuels*, **2012**, 26, 5897-5904	4.1	20
91	Deactivating Species Deposited on Pt□Pd Catalysts in the Hydrocracking of Light-Cycle Oil. *Energy & Fuels*, **2012**, 26, 1509-1519	4.1	56
90	Designing supported ZnNi catalysts for the removal of oxygen from bio-liquids and aromatics from diesel. *Green Chemistry*, **2012**, 14, 2759	10	25
89	Effect of Temperature in Hydrocracking of Light Cycle Oil on a Noble Metal-Supported Catalyst for Fuel Production. *Chemical Engineering and Technology*, **2012**, 35, 653-660	2	19
88	Preliminary studies on fuel production through LCO hydrocracking on noble-metal supported catalysts. *Fuel*, **2012**, 94, 504-515	7.1	44
87	Effect of space velocity on the hydrocracking of Light Cycle Oil over a Pt□Pd/HY zeolite catalyst. *Fuel Processing Technology*, **2012**, 95, 8-15	7.2	34

86	Enhancement of aromatic hydro-upgrading on a Pt catalyst by promotion with Pd and shape-selective supports. *Fuel Processing Technology*, **2012**, 101, 64-72	7.2	16
85	Modelling product distribution of pyrolysis gasoline hydroprocessing on a PtPd/HZSM-5 catalyst. *Chemical Engineering Journal*, **2011**, 176-177, 302-311	14.7	8
84	Role of Acidity in the Deactivation and Steady Hydroconversion of Light Cycle Oil on Noble Metal Supported Catalysts. *Energy & Fuels*, **2011**, 25, 3389-3399	4.1	41
83	Co-feeding water to attenuate deactivation of the catalyst metallic function (CuOZnOAl2O3) by coke in the direct synthesis of dimethyl ether. *Applied Catalysis B: Environmental*, **2011**, 106, 167-167	21.8	16
82	Regeneration of CuO-ZnO-Al2O3/Al2O3 catalyst in the direct synthesis of dimethyl ether. *Applied Catalysis B: Environmental*, **2010**, 94, 108-116	21.8	56
81	Effect of hydrogen on the cracking mechanisms of cycloalkanes over zeolites. *Catalysis Today*, **2010**, 150, 363-367	5.3	12
80	Effect of the support acidity on the aromatic ring-opening of pyrolysis gasoline over Pt/HZSM-5 catalysts. *Catalysis Today*, **2009**, 143, 115-119	5.3	30
79	HZSM-5 Zeolite As Catalyst Additive for Residue Cracking under FCC Conditions. *Energy & Fuels* , **2009**, 23, 4215-4223	4.1	30
78	Kinetic Modeling for Assessing the Product Distribution in Toluene Hydrocracking on a Pt/HZSM-5 Catalyst. *Industrial & Engineering Chemistry Research*, **2008**, 47, 1043-1050	3.9	21
77	Effect of Atmospheric Residue Incorporation in the Fluidized Catalytic Cracking (FCC) Feed on Product Stream Yields and Composition. *Energy & Fuels*, **2008**, 22, 2149-2156	4.1	28
76	The Role of Zeolite Acidity in Coupled Toluene Hydrogenation and Ring Opening in One and Two Steps. *Industrial & Engineering Chemistry Research*, **2008**, 47, 665-671	3.9	13
75	Effect of catalyst properties on the cracking of polypropylene pyrolysis waxes under FCC conditions. *Catalysis Today*, **2008**, 133-135, 413-419	5.3	35
74	Kinetic modelling of methylcyclohexane ring-opening over a HZSM-5 zeolite catalyst. *Chemical Engineering Journal*, **2008**, 140, 287-295	14.7	21
73	Catalytic Cracking of Waxes Produced by the Fast Pyrolysis of Polyolefins. *Energy & Fuels*, **2007** , 21, 561-569	4.1	45
72	Cracking of Coker Naphtha with GasOil. Effect of HZSM-5 Zeolite Addition to the Catalyst. *Energy & Fuels*, **2007**, 21, 11-18	4.1	14
71	Kinetic Model Discrimination for Toluene Hydrogenation over Noble-Metal-Supported Catalysts. *Industrial & Engineering Chemistry Research*, **2007**, 46, 7417-7425	3.9	17
70	Effect of the support on the kinetic and deactivation performance of Pt/support catalysts during coupled hydrogenation and ring-opening of pyrolysis gasoline. *Applied Catalysis A: General*, **2007**, 333, 161-171	5.1	23
69	Factors influencing the thioresistance of nickel catalysts in aromatics hydrogenation. *Applied Catalysis A: General*, **2007**, 317, 20-33	5.1	29

68	Enhancement of pyrolysis gasoline hydrogenation over Pd-promoted Ni/SiO2–Al2O3 catalysts. *Fuel* , **2007**, 86, 2262-2274	7.1	59
67	Effect of HZSM-5 catalyst addition on the cracking of polyolefin pyrolysis waxes under FCC conditions. *Chemical Engineering Journal*, **2007**, 132, 17-26	14.7	28
66	Kinetic Modeling of Dimethyl Ether Synthesis in a Single Step on a CuO–ZnO–Al2O3/γ-Al2O3 Catalyst. *Industrial & Engineering Chemistry Research*, **2007**, 46, 5522-5530	3.9	139
65	Catalytic Cracking of Plastic Pyrolysis Waxes with Vacuum Gasoil: Effect of HZSM-5 Zeolite in the FCC Catalyst. *International Journal of Chemical Reactor Engineering*, **2006**, 4,	1.2	7
64	Aromatics reduction of pyrolysis gasoline (PyGas) over HY-supported transition metal catalysts. *Applied Catalysis A: General*, **2006**, 315, 101-113	5.1	39
63	Direct Synthesis of Dimethyl Ether From (H2+CO) and (H2+CO2) Feeds. Effect of Feed Composition. *International Journal of Chemical Reactor Engineering*, **2005**, 3,	1.2	17
62	Effect of operating conditions on the synthesis of dimethyl ether over a CuO-ZnO-Al2O3/NaHZSM-5 bifunctional catalyst. *Catalysis Today*, **2005**, 107-108, 467-473	5.3	125
61	Valorization by thermal cracking over silica of polyolefins dissolved in LCO. *Fuel Processing Technology*, **2004**, 85, 125-140	7.2	14
60	Valorization of the Blends Polystyrene/Light Cycle Oil and Polystyrene–Butadiene/Light Cycle Oil over Different HY Zeolites under FCC Unit Conditions. *Energy & Fuels*, **2004**, 18, 218-227	4.1	9
59	Study of the preparation and composition of the metallic function for the selective hydrogenation of CO2 to gasoline over bifunctional catalysts. *Journal of Chemical Technology and Biotechnology*, **2003**, 78, 161-166	3.5	20
58	Thermal recycling of polystyrene and polystyrene-butadiene dissolved in a light cycle oil. *Journal of Analytical and Applied Pyrolysis*, **2003**, 70, 747-760	6	39
57	Valorization of the Blends Polystyrene/Light Cycle Oil and Polystyrene–Butadiene/Light Cycle Oil over HZSM-5 Zeolites. *Industrial & Engineering Chemistry Research*, **2003**, 42, 3700-3710	3.9	7
56	Valorization of Polyolefins Dissolved in Light Cycle Oil over HY Zeolites under Fluid Catalytic Cracking Unit Conditions. *Industrial & Engineering Chemistry Research*, **2003**, 42, 3952-3961	3.9	19
55	Consistency of the ten-lump kinetic model for cracking: Study in a laboratory reactor and use for simulation of an FCCU. *Chemical Engineering Communications*, **2003**, 190, 254-284	2.2	4
54	Valorization of Polyolefin/LCO Blend over HZSM-5 Zeolites. *International Journal of Chemical Reactor Engineering*, **2002**, 1,	1.2	2
53	Recycling Hydrocarbon Cuts into FCC Units. *Energy & Fuels*, **2002**, 16, 615-621	4.1	18
52	Contribution to the Design of an Adiabatic Fixed Bed Reactor for the MTG Process under Reaction-regeneration Cycles. *Studies in Surface Science and Catalysis*, **2001**, 139, 319-326	1.8	
51	MTG Process in a Fixed-Bed Reactor. Operation and Simulation of a Pseudoadiabatic Experimental Unit. *Industrial & Engineering Chemistry Research*, **2001**, 40, 6087-6098	3.9	12

50	Modelling FCC units under steady and unsteady state conditions. *Canadian Journal of Chemical Engineering*, **2000**, 78, 111-123	2.3	29
49	Conversion of syngas to liquid hydrocarbons over a two-component (Cr2O3/ZnO and ZSM-5 zeolite) catalyst:. *Chemical Engineering Science*, **2000**, 55, 1845-1855	4.4	15
48	MTG fluidized bed reactor–regenerator unit with catalyst circulation: process simulation and operation of an experimental setup. *Chemical Engineering Science*, **2000**, 55, 3223-3235	4.4	23
47	Effect of HZSM-5 Zeolite Addition to a Fluid Catalytic Cracking Catalyst. Study in a Laboratory Reactor Operating under Industrial Conditions. *Industrial & Engineering Chemistry Research*, **2000**, 39, 1917-1924	3.9	60
46	COMPOSITION AND QUALITY OF THE GASOLINE OBTAINED FROM SYNGAS ON Cr2O3-ZnO/ZSM5 CATALYSTS. *Chemical Engineering Communications*, **1999**, 174, 1-19	2.2	10
45	Operation strategies for the regeneration section of catalytic cracking units. *Studies in Surface Science and Catalysis*, **1999**, 126, 281-288	1.8	1
44	Kinetics of Gaseous Product Formation in the Coke Combustion of a Fluidized Catalytic Cracking Catalyst. *Industrial & Engineering Chemistry Research*, **1999**, 38, 3255-3260	3.9	13
43	Effect of the operating conditions on the conversion of syngas into liquid hydrocarbons over a Cr2O3/ZnO/ZSM5 bifunctional catalyst. *Journal of Chemical Technology and Biotechnology*, **1998**, 72, 190-196	3.5	24
42	Study of Physical Mixtures of Cr2O3/ZnO and ZSM-5 Catalysts for the Transformation of Syngas into Liquid Hydrocarbons. *Industrial & Engineering Chemistry Research*, **1998**, 37, 1211-1219	3.9	46
41	Simulation and Optimization of Methanol Transformation into Hydrocarbons in an Isothermal Fixed-Bed Reactor under Reaction–Regeneration Cycles. *Industrial & Engineering Chemistry Research*, **1998**, 37, 2383-2390	3.9	6
40	Recycled Plastics in FCC Feedstocks: Specific Contributions. *Industrial & Engineering Chemistry Research*, **1997**, 36, 4530-4534	3.9	37
39	Design and Operation of a Catalytic Polymerization Reactor in a Dilute Spouted Bed Regime. *Industrial & Engineering Chemistry Research*, **1997**, 36, 1637-1643	3.9	55
38	Transformation of Several Plastic Wastes into Fuels by Catalytic Cracking. *Industrial & Engineering Chemistry Research*, **1997**, 36, 4523-4529	3.9	90
37	Application of a solute transport model under variable velocity conditions in a conduit flow aquifer: Olalde karst system, Basque Country, Spain. *Environmental Geology*, **1997**, 30, 143-151		10
36	Deactivation Kinetic Model in Catalytic PolymerizationsTaking into Account the Initiation Step. *Industrial & Engineering Chemistry Research*, **1996**, 35, 62-69	3.9	3
35	A simplified model for gas flow in conical spouted beds. *The Chemical Engineering Journal and the Biochemical Engineering Journal*, **1995**, 56, 19-26		4
34	Pseudoadiabatic operation for fixed-bed catalytic reactors: methods for finding the limits of the regime. *The Chemical Engineering Journal and the Biochemical Engineering Journal*, **1995**, 58, 33-44		1
33	Correlation for calculation of the gas dispersion coefficient in conical spouted beds. *Chemical Engineering Science*, **1995**, 50, 2161-2172	4.4	54

32	Isotherms of chemical adsorption of bases on solid catalysts for acidity measurement. *Journal of Chemical Technology and Biotechnology*, **1994**, 60, 141-146	3.5	40
31	Calculation of the kinetics of catalyst regeneration by burning coke following a temperature ramp. *The Chemical Engineering Journal and the Biochemical Engineering Journal*, **1994**, 54, 35-40		4
30	Contributions to the calculation of coke deactivation kinetics. A comparison of methods. *The Chemical Engineering Journal and the Biochemical Engineering Journal*, **1994**, 55, 125-134		1
29	Hydrodynamics of nearly flat base spouted beds. *The Chemical Engineering Journal and the Biochemical Engineering Journal*, **1994**, 55, 27-37		17
28	Gas Flow Dispersion in Jet-Spouted Beds. Effect of Geometric Factors and Operating Conditions. *Industrial & Engineering Chemistry Research*, **1994**, 33, 3267-3273	3.9	8
27	Calculation of the kinetics of deactivation by coke of a silica-alumina catalyst in the dehydration of 2-ethylhexanol. *Industrial & Engineering Chemistry Research*, **1993**, 32, 458-465	3.9	27
26	Design factors of conical spouted beds and jet spouted beds. *Industrial & Engineering Chemistry Research*, **1993**, 32, 1245-1250	3.9	72
25	Deactivation and acidity deterioration of a silica/alumina catalyst in the isomerization of cis-butene. *Industrial & Engineering Chemistry Research*, **1993**, 32, 588-593	3.9	22
24	Optimization of temperature-time sequences in reaction-regeneration cycles. Application to the isomerization of cis-butene. *Industrial & Engineering Chemistry Research*, **1993**, 32, 2542-2547	3.9	6
23	Expansion of spouted beds in conical contactors. *The Chemical Engineering Journal*, **1993**, 51, 45-52		44
22	Pressure drop in conical spouted beds. *The Chemical Engineering Journal*, **1993**, 51, 53-60		75
21	Temperature vs. time sequences to palliate deactivation in parallel and in series-parallel with the main reaction: parametric study. *The Chemical Engineering Journal*, **1993**, 51, 167-176		4
20	A model for gas flow in jet spouted beds. *Canadian Journal of Chemical Engineering*, **1993**, 71, 189-194	2.3	11
19	Reaction–regeneration cycles in the isomerization of cis-butene and calculation of the reactivation kinetics of a silica–alumina catalyst. *Chemical Engineering Science*, **1993**, 48, 2741-2752	4.4	13
18	Selective kinetic deactivation model for a triangular reaction scheme. *Chemical Engineering Science*, **1993**, 48, 2273-2282	4.4	10
17	Calculation of the kinetics of deactivation by coke in an integral reactor for a triangular scheme reaction. *Chemical Engineering Science*, **1993**, 48, 1077-1087	4.4	34
16	Stable operation conditions for gas-solid contact regimes in conical spouted beds. *Industrial & Engineering Chemistry Research*, **1992**, 31, 1784-1792	3.9	185
15	Simulation and multiplicity of steady states in fluidized FCCUs. *Chemical Engineering Science*, **1992**, 47, 2535-2540	4.4	32

14	Mechanism and Analysis of Deactivation Data in Heterogeneous Polymerizations. *Studies in Surface Science and Catalysis*, **1991**, 413-416	1.8	1
13	Isomerization of butenes as a test reaction for measurement of solid catalyst acidity. *Industrial & Engineering Chemistry Research*, **1990**, 29, 1172-1178	3.9	19
12	Study of temperature-programmed desorption of tert-butylamine to measure the surface acidity of solid catalysts. *Industrial & Engineering Chemistry Research*, **1990**, 29, 1621-1626	3.9	18
11	Polymerization of gaseous benzyl alcohol. 3. Deactivation mechanism of silica/alumina catalyst. *Industrial & Engineering Chemistry Research*, **1989**, 28, 1752-1756	3.9	6
10	Optimization of the preparation of a catalyst under deactivation. 2. Application to the operation in reaction-regeneration cycles. *Industrial & Engineering Chemistry Research*, **1989**, 28, 1299-1303	3.9	6
9	OPTIMIZATION OF THE OPERATION IN A REACTOR WITH CONTINUOUS CATALYST CIRCULATION IN THE GASEOUS BENZYL ALCOHOL POLYMERIZATION. *Chemical Engineering Communications*, **1989**, 75, 121-134	2.2	23
8	Design and operation of a jet spouted bed reactor with continuous catalyst feed in the benzyl alcohol polymerization. *Industrial & Engineering Chemistry Research*, **1987**, 26, 1297-1304	3.9	52
7	Polymerization of gaseous benzyl alcohol. 2. Kinetic study of the polymerization and of the deactivation for a silica/alumina catalyst. *Industrial & Engineering Chemistry Research*, **1987**, 26, 1960-1965	3.9	7
6	Optimization of the preparation of a catalyst under deactivation. 1. Control of its kinetic behavior by electing the preparation conditions. *Industrial & Engineering Chemistry Research*, **1987**, 26, 2403-2408	3.9	9
5	Kinetic study of the regeneration of solid catalysts under internal diffusion restrictions. *The Chemical Engineering Journal*, **1987**, 35, 115-122		8
4	Simulation of isothermal catalytic fixed-bed reactors operated in successive reaction-regeneration cycles. *The Chemical Engineering Journal*, **1985**, 31, 137-144		5
3	Dimerization of acetaldehyde to crotonaldehyde over silica-alumina bed operating in reaction-regeneration cycles. *Industrial & Engineering Chemistry Process Design and Development*, **1985**, 24, 828-831		12
2	Coke deposition on silica-alumina catalysts in dehydration reactions. *Industrial & Engineering Chemistry Product Research and Development*, **1985**, 24, 531-539		22
1	Kinetic equation for the regeneration of a solid catalyst by coke-burning. *Chemical Engineering Science*, **1983**, 38, 1356-1360	4.4	17