

# Lech Nowicki

## List of Publications by Year in descending order

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34  
papers

812  
citations

567281

15  
h-index

501196

28  
g-index

35  
all docs

35  
docs citations

35  
times ranked

905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation Studies with a Precipitated Iron Catalyst for Fischer-Tropsch Synthesis. <i>Journal of Catalysis</i> , 1995, 155, 366-375.	6.2	140
2	Fischer-Tropsch synthesis product selectivity over an industrial iron-based catalyst: Effect of process conditions. <i>Catalysis Today</i> , 2016, 261, 28-39.	4.4	81
3	Fuel from the synthesis gas—the role of process engineering. <i>Applied Energy</i> , 2003, 74, 85-93.	10.1	78
4	Comprehensive characterization of thermal decomposition of sewage sludge by TG-MS. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 110, 220-228.	5.5	69
5	The kinetics of gasification of char derived from sewage sludge. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 693-700.	3.6	45
6	Hydrocarbon selectivity model for the slurry phase Fischer-Tropsch synthesis on precipitated iron catalysts. <i>Chemical Engineering Science</i> , 2001, 56, 1175-1180.	3.8	38
7	Attrition Resistance of Supports for Iron Fischer-Tropsch Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 4001-4008.	3.7	34
8	Gasification of pyrolysis chars from sewage sludge. <i>Fuel</i> , 2015, 143, 476-483.	6.4	34
9	Fischer-tropsch synthesis in a stirred tank slurry reactor. <i>Chemical Engineering Science</i> , 1994, 49, 4615-4625.	3.8	28
10	Activation studies with an iron Fischer-Tropsch catalyst in fixed bed and stirred tank slurry reactors. <i>Canadian Journal of Chemical Engineering</i> , 1996, 74, 399-404.	1.7	27
11	Fischer-Tropsch Synthesis in a Slurry Reactor. <i>Pretreatment Effect Studies. Energy &amp; Fuels</i> , 1995, 9, 620-629.	5.1	26
12	Comparative Study of an Iron Fischer-Tropsch Catalyst Performance in Stirred Tank Slurry and Fixed-Bed Reactors. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 6038-6044.	3.7	26
13	Attrition Resistance and Catalytic Performance of Spray-Dried Iron Fischer-Tropsch Catalysts in a Stirred-Tank Slurry Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 1359-1365.	3.7	16
14	New numerical algorithm for solving multidimensional heterogeneous model of the fixed bed reactor. <i>Chemical Engineering Journal</i> , 2013, 214, 237-246.	12.7	16
15	Hydrocarbon selectivity models for iron-based Fischer-Tropsch catalyst. <i>Chemical Engineering Research and Design</i> , 2015, 95, 1-11.	5.6	16
16	Steady state Fischer-Tropsch synthesis in fixed-bed and stirred tank slurry reactors. <i>Catalysis Today</i> , 1995, 24, 111-119.	4.4	15
17	Kinetics of CO hydrogenation on modified Cu/ZnO catalyst in a slurry reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2005, 44, 383-391.	3.6	14
18	Determination of the chemical reaction kinetics using isothermal reaction calorimetry supported by measurements of the gas production rate: A case study on the decomposition of formic acid in the heterogeneous Fenton reaction. <i>Thermochimica Acta</i> , 2017, 653, 62-70.	2.7	14

#	ARTICLE	IF	CITATIONS
19	KINETIC CHARACTERISATION OF CATALYSTS FOR METHANOL SYNTHESIS. Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2013, 34, 497-506.	0.7	13
20	Carbon Dioxide Gasification Kinetics of Char from Rapeseed Oil Press Cake. Energies, 2020, 13, 2318.	3.1	12
21	Kinetics of rhodium-catalyzed methanol carbonylation. Industrial & Engineering Chemistry Research, 1992, 31, 2472-2475.	3.7	11
22	Application of the TG-MS system in studying sewage sludge pyrolysis and gasification. Polish Journal of Chemical Technology, 2008, 10, 1-5.	0.5	11
23	Macroapproach kinetics of ethanol fermentation by <i>Saccharomyces cerevisiae</i> : experimental studies and mathematical modelling. The Chemical Engineering Journal and the Biochemical Engineering Journal, 1994, 54, 221-240.	0.1	10
24	Pyrolysis of Rapeseed Oil Press Cake and Steam Gasification of Solid Residues. Energies, 2020, 13, 4472.	3.1	8
25	Methode zur Simulation der periodischen Rektifikation mit vollstÄndigem RÄ¼cklauf. Chemie-Ingenieur-Technik, 1988, 60, 555-557.	0.8	5
26	Effect of CaO promotion on the performance of a precipitated iron Fischer-Tropsch catalyst. Studies in Surface Science and Catalysis, 2001, , 165-170.	1.5	4
27	New approach to a problem of heat transfer with chemical reaction in a cylinder of finite dimensions. International Journal of Heat and Mass Transfer, 2011, 54, 338-344.	4.8	4
28	Kinetics of naphthalene sulphonation with 96 wt % sulphuric acid. Journal of Chemical Technology and Biotechnology, 1987, 39, 149-160.	3.2	3
29	Kinetic modeling of the slurry phase Fischer-Tropsch synthesis on iron catalysts. Studies in Surface Science and Catalysis, 2001, 136, 123-128.	1.5	3
30	Kinetic analysis of thermogravimetric data collected from bigger samples. Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2012, 33, .	0.7	3
31	Kinetics of tetrachloroethylene photochlorination. International Journal of Chemical Kinetics, 1984, 16, 345-352.	1.6	2
32	Kinetics of tetrachloroethene photochlorination in a homogeneous system. Chemical Engineering and Technology, 1993, 16, 429-432.	1.5	2
33	Kinetics of activation and destruction of <i>Bacillus stearothermophilus</i> spores. Progress in Biotechnology, 2000, , 385-391.	0.2	2
34	Activity and selectivity of iron fischer-tropsch catalysts in a stirred tank slurry reactor. Studies in Surface Science and Catalysis, 1997, , 163-168.	1.5	1