Jacek Grams

List of Publications by Year
in descending order

46 papers	932 citations	567281 15 h-index	477307 29 g-index
47 all docs	47 docs citations	47 times ranked	1336 citing authors

#	Article	IF	Citations
1	Catalyst Stabilityâ€"Bottleneck of Efficient Catalytic Pyrolysis. Catalysts, 2021, 11, 265.	3.5	22
2	Understanding Electrodeposition of Chitosanâ€"Hydroxyapatite Structures for Regeneration of Tubular-Shaped Tissues and Organs. Materials, 2021, 14, 1288.	2.9	14
3	The Influence of Carbon Nature on the Catalytic Performance of Ru/C in Levulinic Acid Hydrogenation with Internal Hydrogen Source. Molecules, 2020, 25, 5362.	3.8	6
4	Hydrogen-Rich Gas Production by Upgrading of Biomass Pyrolysis Vapors over NiBEA Catalyst: Impact of Dealumination and Preparation Method. Energy & Fuels, 2020, 34, 16936-16947.	5.1	7
5	The Impact of Reduction Temperature and Nanoparticles Size on the Catalytic Activity of Cobalt-Containing BEA Zeolite in Fischerâ€"Tropsch Synthesis. Catalysts, 2020, 10, 553.	3.5	5
6	Modification of Ni/ZrO2 catalyst by selected rare earth metals as a promising way for increase in the efficiency of thermocatalytic conversion of lignocellulosic biomass to hydrogen-rich gas. Fuel, 2020, 276, 118110.	6.4	17
7	Hydro-Pyrolysis and Catalytic Upgrading of Biomass and Its Hydroxy Residue Fast Pyrolysis Vapors. Energies, 2019, 12, 3474.	3.1	5
8	Synthesis of TiO2â€"ZrO2 Mixed Oxides via the Alginate Route: Application in the Ru Catalytic Hydrogenation of Levulinic Acid to Gamma-Valerolactone. Energies, 2019, 12, 4706.	3.1	12
9	Impact of Support (MCF, ZrO2, ZSM-5) on the Efficiency of Ni Catalyst in High-Temperature Conversion of Lignocellulosic Biomass to Hydrogen-Rich Gas. Materials, 2019, 12, 3792.	2.9	9
10	Surface characterization of Miscanthus Ã— giganteus and Willow subjected to torrefaction. Journal of Analytical and Applied Pyrolysis, 2019, 138, 231-241.	5.5	22
11	Solar Light Induced Photon-Assisted Synthesis of TiO2 Supported Highly Dispersed Ru Nanoparticle Catalysts. Materials, 2018, 11, 2329.	2.9	12
12	Impact of the modification method of Ni/ZrO2 catalyst by alkali and alkaline earth metals on its activity in thermo-chemical conversion of cellulose. International Journal of Hydrogen Energy, 2018, 43, 22303-22314.	7.1	13
13	Chlorine Influence on Palladium Doped Nickel Catalysts in Levulinic Acid Hydrogenation with Formic Acid as Hydrogen Source. ACS Sustainable Chemistry and Engineering, 2018, 6, 14607-14613.	6.7	19
14	Hydrogen production from biomass woodchips using Ni/CaOâ€"ZrO2 catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2017, 121, 97-107.	1.7	14
15	The Studies of Archaeological Pottery with the Use of Selected Analytical Techniques. Critical Reviews in Analytical Chemistry, 2017, 47, 490-498.	3.5	5
16	Impact of Zr Incorporation into the Ni/AlSBA-15 Catalyst on Its Activity in Cellulose Conversion to Hydrogen-Rich Gas. Energy & Fuels, 2017, 31, 14089-14096.	5.1	10
17	Effect of alkali and alkaline earth metals addition on Ni/ZrO2 catalyst activity in cellulose conversion. Journal of Thermal Analysis and Calorimetry, 2016, 126, 103-110.	3.6	22
18	Titania-Supported Catalysts for Levulinic Acid Hydrogenation: Influence of Support and its Impact on Î³-Valerolactone Yield. ChemSusChem, 2015, 8, 1497-1497.	6.8	0

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19	Titaniaâ€Supported Catalysts for Levulinic Acid Hydrogenation: Influence of Support and its Impact on Î³â€Valerolactone Yield. ChemSusChem, 2015, 8, 1538-1547.	6.8	85
20	Hydroconversion of 1-methylnaphthalene over Pt/AlSBA-15â€“Al2O3 composite catalysts. Applied Catalysis A: General, 2015, 505, 116-130.	4.3	15
21	Influence of Ni catalyst support on the product distribution of cellulose fast pyrolysis vapors upgrading. Journal of Analytical and Applied Pyrolysis, 2015, 113, 557-563.	5.5	34
22	Thiirane resins cured with polythiourethane hardeners as novel supports for metal complex catalysts. Journal of Applied Polymer Science, 2014, 131, .	2.6	8
23	Surface characterization of lignocellulosic biomass submitted to pyrolysis. Surface and Interface Analysis, 2014, 46, 837-841.	1.8	5
24	Optimization of Ni/ZrO2 catalytic performance in thermochemical cellulose conversion for enhanced hydrogen production. Applied Catalysis B: Environmental, 2014, 145, 85-90.	20.2	56
25	Investigation of biomass depolymerization by surface techniques. Surface and Interface Analysis, 2014, 46, 832-836.	1.8	4
26	Role of water in metal catalyst performance for ketone hydrogenation: a joint experimental and theoretical study on levulinic acid conversion into gamma-valerolactone. Chemical Communications, 2014, 50, 12450-12453.	4.1	168
27	ToFâ€SIMS study of the surface of catalysts used in biomass valorization. Surface and Interface Analysis, 2014, 46, 726-730.	1.8	10
28	ToF-SIMS as a versatile tool to study the surface properties of silica supported cobalt catalyst for Fischerâ€“Tropsch synthesis. Fuel, 2014, 122, 301-309.	6.4	14
29	Time-of-flight secondary ion mass spectrometry as a novel method for surface characterization of carbonaceous material formed during thermochemical conversion of cellulose. International Journal of Mass Spectrometry, 2013, 336, 43-46.	1.5	5
30	Synthesis and characterization of novel polythiourethane hardeners for epoxy resins. Comptes Rendus Chimie, 2012, 15, 1065-1071.	0.5	26
31	Activity of Ni catalysts for hydrogen production via biomass pyrolysis. Kinetics and Catalysis, 2012, 53, 565-569.	1.0	33
32	Surface Studies of Heterogeneous Catalysts by Time-of-Flight Secondary Ion Mass Spectrometry. European Journal of Mass Spectrometry, 2010, 16, 453-461.	1.0	10
33	Application of ToF-SIMS to the study of surfactant removal from AuNbMCM-41 and AuMCM-41 materials. International Journal of Mass Spectrometry, 2010, 289, 138-143.	1.5	5
34	ToF-SIMS studies of the regeneration of Pd/TiO2 catalyst used in hydrodechlorination process. International Journal of Mass Spectrometry, 2010, 292, 1-6.	1.5	12
35	Preliminary studies using imaging mass spectrometry TOF-SIMS in detection and analysis of fingerprints. Imaging Science Journal, 2007, 55, 180-187.	0.5	33
36	Surface properties of platinum catalysts based on various nanoporous matrices. Microporous and Mesoporous Materials, 2007, 99, 345-354.	4.4	14

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37	Pt/Ga2O3 catalysts of selective hydrogenation of crotonaldehyde. Journal of Catalysis, 2007, 250, 195-208.	6.2	56
38	The role of chlorine in the generation of catalytic active species located in Au-containing MCM-41 materials. Journal of Catalysis, 2007, 245, 259-266.	6.2	37
39	Time-of-flight secondary ion-mass spectrometry as a new technique for the investigations of the deactivation process of hydrodechlorination catalysts. Russian Journal of Physical Chemistry A, 2007, 81, 1515-1520.	0.6	15
40	Influence of ZrO2 on the physicochemical properties of the ZrO2-TiO2 binary system. Russian Journal of Physical Chemistry A, 2007, 81, 1992-1996.	0.6	0
41	WGS and reforming properties of NbMCM-41 materials. Catalysis Today, 2006, 114, 281-286.	4.4	11
42	Tribological modification of metal counterface by rubber. Tribology Letters, 2006, 24, 115-118.	2.6	3
43	High resolution surface imaging of Co/ZrO2 catalyst by TOF-SIMS. Surface Science, 2004, 549, L21-L26.	1.9	16
44	Surface layer modification of ion bombarded HDPE. Surface Science, 2004, 564, 179-186.	1.9	25
45	Comparison of the quantity and reactivity of carbon deposit arising on Mo/Al2O3and Mo/ZrO2catalysts. Reaction Kinetics and Catalysis Letters, 2003, 80, 319-327.	0.6	0
46	Investigation of the coke deposit on Niâ€"Al2O3 and Coâ€"Al2O3 catalysts. Carbon, 2002, 40, 2025-2028.	10.3	18