Izabela Sobczak

List of Publications by Year
in descending order

71	1,793	218677	302126
papers	citations	26 h-index	39 g-index

71	71	71	1794
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microwave-Assisted Base-Free Oxidation of Glucose with H2O2 on Gold- and Manganese-Containing SBA-15â€"Insight into Factors Affecting the Reaction Pathway. International Journal of Molecular Sciences, 2022, 23, 4639.	4.1	3
2	Gold based on SBA-15 supports â€" Promising catalysts in base-free glucose oxidation. Chemical Engineering Journal, 2021, 413, 127548.	12.7	22
3	The effect of the calcium dopant on the activity and selectivity of gold catalysts supported on SBA-15 and Nb-containing SBA-15 in methanol oxidation. Catalysis Science and Technology, 2021, 11, 2242-2260.	4.1	8
4	Gold-containing Beta zeolite in base-free glucose oxidation â€" The role of Au deposition procedure and zeolite dopants. Catalysis Today, 2021, 382, 48-60.	4.4	10
5	Modification of Gold Zeolitic Supports for Catalytic Oxidation of Glucose to Gluconic Acid. Materials, 2021, 14, 5250.	2.9	7
6	Gold-copper catalysts supported on SBA-15 with long and short channels â€" Characterization and the use in propene oxidation. Catalysis Today, 2020, 356, 155-164.	4.4	3
7	The influence of Zr presence in short channel SBA-15 on state and activity of metallic modifiers (Ag,) Tj ETQq1 1 0.784314 rgBT /Over	4.4	7
8	Bimetallic gold-silver catalysts based on ZnO and Zn/SBA-15 â€" The effect of various treatments on surface and catalytic properties. Catalysis Today, 2020, 356, 110-121.	4.4	6
9	Methanol oxidation on AuAg-Zn/MCM-36 â€" The effect of catalyst components and pretreatment. Catalysis Today, 2020, 354, 123-132.	4.4	9
10	The effect of support properties on n-octanol oxidation performed on gold â€" silver catalysts supported on MgO, ZnO and Nb2O5. Molecular Catalysis, 2020, 482, 110674.	2.0	7
11	Tantalum vs Niobium MCF nanocatalysts in the green synthesis of chromene derivatives. Catalysis Today, 2019, 325, 47-52.	4.4	11
12	The role of gold dopant in AP-Nb/MCF and AP-MCF on the Knoevenagel condensation of ethyl cyanoacetate with benzaldehyde and 2,4-dichlorobenzaldehyde. Catalysis Today, 2019, 325, 81-88.	4.4	10
13	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
14	The effect of copper and silver on the properties of Au-ZnO catalyst and its activity in glycerol oxidation. Applied Surface Science, 2018, 444, 197-207.	6.1	25
15	Theoretical and experimental insight into zinc loading on mesoporous silica. Microporous and Mesoporous Materials, 2018, 256, 199-205.	4.4	20
16	The role of niobium component in heterogeneous catalysts. Catalysis Today, 2017, 285, 211-225.	4.4	83
17	Development of multifunctional gold, copper, zinc, niobium containing MCF catalysts â€" Surface properties and activity in methanol oxidation. Microporous and Mesoporous Materials, 2017, 243, 339-350.	4.4	13
18	Variability of surface components in gold catalysts â€" The role of hydroxyls and state of gold on activity and selectivity of Au-Nb2O5 and Au-ZnNb2O6 in methanol oxidation. Journal of Catalysis, 2017, 354, 100-112.	6.2	32

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19	The effect of the preparation procedure on the morphology, texture and photocatalytic properties of ZnO. Materials Research Bulletin, 2017, 85, 35-46.	5.2	30
20	Structure and Reactivity of Zeolites Containing Group Five Elements (V, Nb, Ta). Structure and Bonding, 2017, , 179-249.	1.0	4
21	Mesoporous niobiosilicate NbMCF modified with alkali metals in the synthesis of chromene derivatives. Catalysis Today, 2016, 277, 133-142.	4.4	17
22	Size of Au-Nanoparticles Supported on Mesostructural Cellular Foams Studied by the Pair Distribution Function Technique. Crystal Growth and Design, 2016, 16, 5985-5993.	3.0	4
23	The effect of zinc and copper in gold catalysts supported on MCF cellular foams on surface properties and catalytic activity in methanol oxidation. Microporous and Mesoporous Materials, 2016, 232, 97-108.	4.4	14
24	The role of pillaring in MCM-22 on the dispersion of noble metals and catalytic activity. Materials Research Bulletin, 2016, 76, 169-178.	5.2	6
25	The effect of AuAgâ€“MCF and AuAgâ€“NbMCF catalysts pretreatment on the goldâ€“silver alloy formation and the catalytic behavior in selective methanol oxidation with oxygen. Journal of Molecular Catalysis A, 2015, 409, 137-148.	4.8	22
26	Auâ€“Cu on Nb2O5 and Nb/MCF supports â€“ Surface properties and catalytic activity in glycerol and methanol oxidation. Catalysis Today, 2015, 254, 72-82.	4.4	43
27	Search for reactive intermediates in catalytic oxidation with hydrogen peroxide over amorphous niobium(V) and tantalum(V) oxides. Applied Catalysis B: Environmental, 2015, 164, 288-296.	20.2	90
28	Au containing mesostructured cellular foams NbMCF and ZrMCF in selective oxidation of methanol to formaldehyde. Journal of Molecular Catalysis A, 2014, 390, 114-124.	4.8	25
29	Bimetallic AgCu/SBA-15 System: The Effect of Metal Loading and Treatment of Catalyst on Surface Properties. Journal of Physical Chemistry C, 2014, 118, 12796-12810.	3.1	49
30	Amino-grafted mesoporous materials based on MCF structure involved in the quinoline synthesis. Mechanistic insights. Journal of Molecular Catalysis A, 2013, 378, 38-46.	4.8	31
31	Zeolite MCM-22 Modified with Au and Cu for Catalytic Total Oxidation of Methanol and Carbon Monoxide. Journal of Physical Chemistry C, 2013, 117, 2147-2159.	3.1	39
32	The ability of Nb2O5 and Ta2O5 to generate active oxygen in contact with hydrogen peroxide. Catalysis Communications, 2013, 37, 85-91.	3.3	56
33	The effect of alkali metal on the surface properties of potassium doped Au-Beta zeolites. Materials Research Bulletin, 2013, 48, 795-801.	5.2	2
34	NO adsorption combined with FTIR spectroscopy as a useful tool for characterization of niobium species in crystalline and amorphous molecular sieves. Catalysis Today, 2012, 192, 149-153.	4.4	12
35	Efficient isomerization of safrole by amino-grafted MCM-41 materials as basic catalysts. Catalysis Today, 2012, 179, 159-163.	4.4	13
36	CuxCryOz mixed oxide as a promising support for gold â€“ The effect of Au loading method on the effectiveness in oxidation reactions. Catalysis Today, 2012, 187, 48-55.	4.4	16

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37	Spectroscopic surface characterization of MoVNbTe nanostructured catalysts for the partial oxidation of propane. Catalysis Today, 2012, 187, 195-200.	4.4	16
38	Organosilanes affecting the structure and formation of mesoporous cellular foams. Microporous and Mesoporous Materials, 2012, 155, 143-152.	4.4	26
39	NO and C3H6 adsorption and coadsorption in oxygen excessâ€"A comparative study of different type zeolites modified with gold. Catalysis Today, 2011, 176, 393-398.	4.4	18
40	Catalytic performance of niobium species in crystalline and amorphous solidsâ€"Gas and liquid phase oxidation. Applied Catalysis A: General, 2011, 391, 194-204.	4.3	62
41	Influence of preparation conditions on properties of gold loaded on the supports containing group five elements. Studies in Surface Science and Catalysis, 2010, 175, 333-337.	1.5	0
42	Isomerization of Eugenol Under Ultrasound Activation Catalyzed by Alkali Modified Mesoporous NbMCM-41. Topics in Catalysis, 2010, 53, 179-186.	2.8	15
43	Characterization of alumina- and niobia-supported gold catalysts used for oxidation of glycerol. Applied Catalysis A: General, 2010, 384, 70-77.	4.3	42
44	Gold and goldâ€"iron modified zeolitesâ€"Towards the adsorptive deodourisation. Journal of Hazardous Materials, 2010, 179, 444-452.	12.4	5
45	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
46	Glycerol oxidation on gold catalysts supported on group five metal oxidesâ€"A comparative study with other metal oxides and carbon based catalysts. Catalysis Today, 2010, 158, 121-129.	4.4	78
47	Amino-grafted metallosilicate MCM-41 materials as basic catalysts for eco-friendly processes. Catalysis Today, 2010, 152, 119-125.	4.4	42
48	The Formation of Gold Clusters Supported on Mesoporous Silica Material Surfaces: A Molecular Picture. Journal of Physical Chemistry C, 2010, 114, 9002-9007.	3.1	27
49	Gold-vanadium-niobium catalysts in environmental protectionâ€"adsorption and interaction of NO, C3H6 andÂO2â€"FT-IR study. Adsorption, 2009, 15, 145-155.	3.0	4
50	Photochromism and hydrolysis of aromatic Schiff base N,Nâ€²-bis(salicylidene)-p-phenylenediamine (BSP) studied in heterogeneous environments. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2009, 63, 211-218.	1.6	26
51	The role of niobium in MCM-41 supported with Pt and Auâ€"A comparative study of physicochemical and catalytic properties. Catalysis Today, 2009, 142, 258-266.	4.4	17
52	Catalytic properties of alkali metal-modified oxide supports for the Knoevenagel condensation: Kinetic aspects. Catalysis Today, 2009, 142, 278-282.	4.4	61
53	The possible use of alkali metal modified NbMCM-41 in the synthesis of 1,4-dihydropyridine intermediates. Catalysis Today, 2009, 142, 303-307.	4.4	25
54	Sonocatalysis in solvent-free conditions: An efficient eco-friendly methodology to prepare N-alkyl imidazoles using amino-grafted NbMCM-41. Catalysis Today, 2009, 142, 283-287.	4.4	24

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55	Gold Grafted to Mesoporous Silica Surfaces, a Molecular Picture. Journal of Physical Chemistry C, 2009, 113, 13855-13859.	3.1	31
56	FTIR study of NO, C3H6 and O2 adsorption and interaction on gold modified MCM-41 materials. Catalysis Today, 2008, 137, 203-208.	4.4	11
57	Gold, vanadium and niobium containing MCM-41 materialsâ€"Catalytic properties in methanol oxidation. Catalysis Today, 2008, 139, 188-195.	4.4	28
58	Application of modified zeolites and mesoporous materials for deodorization. Studies in Surface Science and Catalysis, 2008, , 555-560.	1.5	1
59	Novel AuNbMCM-41 catalyst for methanol oxidation. Studies in Surface Science and Catalysis, 2007, 170, 1300-1306.	1.5	8
60	Surface properties of platinum catalysts based on various nanoporous matrices. Microporous and Mesoporous Materials, 2007, 99, 345-354.	4.4	14
61	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
62	Pt and Nb species on various supports: An alternative to current materials for NOx removal. Catalysis Today, 2007, 119, 78-82.	4.4	9
63	WGS and reforming properties of NbMCM-41 materials. Catalysis Today, 2006, 114, 281-286.	4.4	11
64	Modification of acidâ€"base properties of alkali metals containing catalysts by the application of various supports. Applied Catalysis A: General, 2006, 303, 121-130.	4.3	31
65	Preparation and characterisation of Pt containing NbMCM-41 mesoporous molecular sieves addressed to catalytic NO reduction by hydrocarbons. Microporous and Mesoporous Materials, 2005, 78, 103-116.	4.4	41
66	Template synthesis and characterisation of MCM-41 mesoporous molecular sieves containing various transition metal elementsâ€"TME (Cu, Fe, Nb, V, Mo). Journal of Physics and Chemistry of Solids, 2004, 65, 571-581.	4.0	54
67	Cu state and behaviour in MCM-41 mesoporous molecular sieves modified with copper during the synthesisâ€"â€"comparison with copper exchanged materials. Microporous and Mesoporous Materials, 2004, 74, 23-36.	4.4	54
68	Physicochemical Properties and Catalytic Activity of Cuâ€"NbZSM-5â€"A Comparative Study with Cuâ€"AlZSM-5. Journal of Catalysis, 2002, 207, 101-112.	6.2	32
69	Oxidative properties of niobium-containing mesoporous silica catalysts. Catalysis Today, 2001, 70, 169-181.	4.4	100
70	Nb-containing mesoporous molecular sieves â€" a possible application in the catalytic processes. Microporous and Mesoporous Materials, 2000, 35-36, 195-207.	4.4	68
71	Effect of hydrogen sulphide on nitric oxide adsorption and decomposition on Cu-containing molecular sieves. Applied Catalysis B: Environmental, 2000, 28, 197-207.	20.2	12