

Robert Wojcieszak

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

2,675
citations

28
h-index

49
g-index

109
ext. papers

3,473
ext. citations

7
avg, IF

5.51
L-index

#	Paper	IF	Citations
97	Structure-performance correlations in the hybrid oxide-supported copper/zinc SAPO-34 catalysts for direct synthesis of dimethyl ether from CO ₂ . <i>Journal of Materials Science</i> , 2022 , 57, 3268-3279	4.3	3
96	Lipase-catalyzed acylation of levoglucosan in continuous flow: antibacterial and biosurfactant studies.. <i>RSC Advances</i> , 2022 , 12, 3027-3035	3.7	1
95	Effect of the Colloidal Preparation Method for Supported Preformed Colloidal Au Nanoparticles for the Liquid Phase Oxidation of 1,6-Hexanediol to Adipic Acid. <i>Catalysts</i> , 2022 , 12, 196	4	1
94	Micro-/mesopores confined ultrasmall Cu nanoparticles in SBA-15 as a highly efficient and robust catalyst for furfural hydrogenation to furfuryl alcohol. <i>Applied Catalysis A: General</i> , 2022 , 633, 118527	5.1	1
93	Efficient Promoters and Reaction Paths in the CO ₂ Hydrogenation to Light Olefins over Zirconia-Supported Iron Catalysts. <i>ACS Catalysis</i> , 2022 , 12, 3211-3225	13.1	3
92	Ni-Fe alloying enhances the efficiency of the maltose hydrogenation process: The role of surface species and kinetic study. <i>Applied Catalysis B: Environmental</i> , 2022 , 313, 121446	21.8	1
91	X-Ray Photoelectron Spectroscopy (XPS): Principles and Application for the Analysis of Photoactive Materials. <i>Springer Handbooks</i> , 2022 , 249-271	1.3	
90	On the Use of Diazonium Salts in the Design of Catalytic Hybrid Materials and Coatings. <i>Physical Chemistry in Action</i> , 2022 , 287-308		1
89	Enhancing the activity of gold supported catalysts by oxide coating: towards efficient oxidations. <i>Green Chemistry</i> , 2021 , 23, 8453-8457	10	1
88	The Use of CO ₂ in the Production of Bioplastics for an Even Greener Chemistry. <i>Sustainability</i> , 2021 , 13, 11278	3.6	0
87	Influence of Pd and Pt Promotion in Gold Based Bimetallic Catalysts on Selectivity Modulation in Furfural Base-Free Oxidation. <i>Catalysts</i> , 2021 , 11, 1226	4	1
86	Study of the Direct CO ₂ Carboxylation Reaction on Supported Metal Nanoparticles. <i>Catalysts</i> , 2021 , 11, 326	4	3
85	Agroindustrial Wastes as a Support for the Immobilization of Lipase from : Synthesis of Hexyl Laurate. <i>Biomolecules</i> , 2021 , 11,	5.9	2
84	Highlights and challenges in the selective reduction of carbon dioxide to methanol. <i>Nature Reviews Chemistry</i> , 2021 , 5, 564-579	34.6	50
83	Multicatalytic Hybrid Materials for Biocatalytic and Chemoenzymatic Cascades Strategies for Multicatalyst (Enzyme) Co-Immobilization. <i>Catalysts</i> , 2021 , 11, 936	4	5
82	Hybrid Conversion of 5 -Hydroxymethylfurfural to 5 -Aminomethyl- 2 -furancarboxylic acid: Toward New Bio-sourced Polymers. <i>ChemCatChem</i> , 2021 , 13, 247-259	5.2	6
81	Efficient non-noble Ni/Cu based catalysts for the valorization of palmitic acid through a decarboxylation reaction. <i>Catalysis Science and Technology</i> , 2021 , 11, 3025-3038	5.5	0

80	The importance of the shape of Cu ₂ O nanocrystals on plasmon-enhanced oxygen evolution reaction in alkaline media. <i>Electrochimica Acta</i> , 2021 , 390, 138810	6.7	2
79	Active phases for high temperature Fischer-Tropsch synthesis in the silica supported iron catalysts promoted with antimony and tin. <i>Applied Catalysis B: Environmental</i> , 2021 , 292, 120141	21.8	11
78	Selective aqueous phase hydrogenation of xylose to xylitol over SiO ₂ -supported Ni and Ni-Fe catalysts: Benefits of promotion by Fe. <i>Applied Catalysis B: Environmental</i> , 2021 , 298, 120564	21.8	4
77	Optimisation of catalysts coupling in multi-catalytic hybrid materials: perspectives for the next revolution in catalysis. <i>Green Chemistry</i> , 2021 , 23, 1942-1954	10	6
76	Plasmon-enhanced electrocatalytic oxygen reduction in alkaline media on gold nanohole electrodes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10395-10401	13	7
75	Mobility and versatility of the liquid bismuth promoter in the working iron catalysts for light olefin synthesis from syngas. <i>Chemical Science</i> , 2020 , 11, 6167-6182	9.4	12
74	Influence of High Temperature Synthesis on the Structure of Graphitic Carbon Nitride and Its Hydrogen Generation Ability. <i>Materials</i> , 2020 , 13,	3.5	15
73	Raman Spectroscopy Applied to Monitor Furfural Liquid-Phase Oxidation Catalyzed by Supported Gold Nanoparticles. <i>ACS Omega</i> , 2020 , 5, 14283-14290	3.9	2
72	Lactic Acid Conversion to Acrylic Acid Over Fluoride-Substituted Hydroxyapatites. <i>Frontiers in Chemistry</i> , 2020 , 8, 421	5	5
71	Levoglucosan: a promising platform molecule?. <i>Green Chemistry</i> , 2020 , 22, 5859-5880	10	38
70	A soft-chemistry assisted strong metal-support interaction on a designed plasmonic core-shell photocatalyst for enhanced photocatalytic hydrogen production. <i>Nanoscale</i> , 2020 , 12, 7011-7023	7.7	12
69	Hydroconversion of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran and 2,5-Dimethyltetrahydrofuran over Non-promoted Ni/SBA-15. <i>ChemCatChem</i> , 2020 , 12, 2050-2059	5.2	16
68	Efficient Oxidative Esterification of Furfural Using Au Nanoparticles Supported on Group 2 Alkaline Earth Metal Oxides. <i>Catalysts</i> , 2020 , 10, 430	4	5
67	Aerobic oxidation of 1,6-hexanediol to adipic acid over Au-based catalysts: the role of basic supports. <i>Catalysis Science and Technology</i> , 2020 , 10, 2644-2651	5.5	8
66	Identification of efficient promoters and selectivity trends in high temperature Fischer-Tropsch synthesis over supported iron catalysts. <i>Applied Catalysis B: Environmental</i> , 2020 , 273, 119028	21.8	22
65	Liquid Phase Furfural Oxidation under Uncontrolled pH in Batch and Flow Conditions: The Role of In Situ Formed Base. <i>Catalysts</i> , 2020 , 10, 73	4	11
64	5-Hydroxymethylfurfural and Furfural Base-Free Oxidation over AuPd Embedded Bimetallic Nanoparticles. <i>Catalysts</i> , 2020 , 10, 75	4	7
63	Artificial Neural Networks To Distinguish Charcoal from Eucalyptus and Native Forests Based on Their Mineral Components. <i>Energy & Fuels</i> , 2020 , 34, 9599-9608	4.1	1

62	Synthesis and characterization of a magnetic hybrid catalyst containing lipase and palladium and its application on the dynamic kinetic resolution of amines. <i>Molecular Catalysis</i> , 2020 , 493, 111106	3.3	4
61	Fast and Highly Selective Continuous-Flow Catalytic Hydrogenation of a Cafestol-Kahweol Mixture Obtained from Green Coffee Beans. <i>ACS Omega</i> , 2020 , 5, 25712-25722	3.9	0
60	Recent Advances in Carboxylation of Furoic Acid into 2,5-Furandicarboxylic Acid: Pathways towards Bio-Based Polymers. <i>ChemSusChem</i> , 2020 , 13, 5164-5172	8.3	11
59	Elucidating the structure of the graphitic carbon nitride nanomaterials X-ray photoelectron spectroscopy and X-ray powder diffraction techniques. <i>Dalton Transactions</i> , 2020 , 49, 12805-12813	4.3	11
58	Engineering the future: Perspectives in the 2,5-furandicarboxylic acid synthesis. <i>Catalysis Today</i> , 2020 , 354, 211-217	5.3	16
57	Preparation of nickel (oxide) nanoparticles confined in the secondary pore network of mesoporous scaffolds using melt infiltration. <i>Catalysis Today</i> , 2019 , 334, 48-58	5.3	15
56	Restructuring of Gold-Palladium Alloyed Nanoparticles: A Step towards More Active Catalysts for Oxidation of Alcohols. <i>ChemCatChem</i> , 2019 , 11, 4021-4027	5.2	4
55	Fully integrated high-throughput methodology for the study of Ni- and Cu-supported catalysts for glucose hydrogenation. <i>Catalysis Today</i> , 2019 , 338, 72-80	5.3	9
54	Ni Promotion by Fe: What Benefits for Catalytic Hydrogenation?. <i>Catalysts</i> , 2019 , 9, 451	4	24
53	Exploiting the Synergetic Behavior of PtPd Bimetallic Catalysts in the Selective Hydrogenation of Glucose and Furfural. <i>Catalysts</i> , 2019 , 9, 132	4	7
52	Catalytic decarboxylation of fatty acids to hydrocarbons over non-noble metal catalysts: the state of the art. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 658-669	3.5	17
51	Regioselective Acylation of Levoglucosan Catalyzed by <i>Candida Antarctica</i> (CaLB) Lipase Immobilized on Epoxy Resin. <i>Sustainability</i> , 2019 , 11, 6044	3.6	5
50	Au-based bimetallic catalysts: how the synergy between two metals affects their catalytic activity.. <i>RSC Advances</i> , 2019 , 9, 29888-29901	3.7	14
49	Bimetallic Fe-Ni/SiO ₂ catalysts for furfural hydrogenation: Identification of the interplay between Fe and Ni during deposition-precipitation and thermal treatments. <i>Catalysis Today</i> , 2019 , 334, 162-172	5.3	30
48	Plasmon-Induced Electrocatalysis with Multi-Component Nanostructures. <i>Materials</i> , 2018 , 12,	3.5	9
47	Dehydration of Lactic Acid: The State of The Art. <i>ChemBioEng Reviews</i> , 2018 , 5, 34-56	5.2	15
46	Combining active phase and support optimization in MnO-Au nanoflowers: Enabling high activities towards green oxidations. <i>Journal of Colloid and Interface Science</i> , 2018 , 530, 282-291	9.3	20
45	Furfural Oxidation on Gold Supported on MnO ₂ : Influence of the Support Structure on the Catalytic Performances. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1246	2.6	14

44	Cyclohexane Oxidation to Adipic Acid Under Green Conditions: A Scalable and Sustainable Process. <i>ChemCatChem</i> , 2018 , 10, 3680-3682	5.2	8
43	From sequential chemoenzymatic synthesis to integrated hybrid catalysis: taking the best of both worlds to open up the scope of possibilities for a sustainable future. <i>Catalysis Science and Technology</i> , 2018 , 8, 5708-5734	5.5	33
42	How Catalysts and Experimental Conditions Determine the Selective Hydroconversion of Furfural and 5-Hydroxymethylfurfural. <i>Chemical Reviews</i> , 2018 , 118, 11023-11117	68.1	332
41	Influence of Support Basic Sites in Green Oxidation of Biobased Substrates Using Au-Promoted Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 16332-16340	8.3	39
40	Oxidation of but-3-en-1,2-diol: Green access to hydroxymethionine intermediate. <i>Catalysis Today</i> , 2017 , 279, 164-167	5.3	1
39	Selective hydrogenation of CO ₂ into CO on a highly dispersed nickel catalyst obtained by magnetron sputtering deposition: A step towards liquid fuels. <i>Applied Catalysis B: Environmental</i> , 2017 , 209, 240-246	21.8	53
38	One-pot organometallic synthesis of alumina-embedded Pd nanoparticles. <i>Dalton Transactions</i> , 2017 , 46, 14318-14324	4.3	1
37	Advances in Base-Free Oxidation of Bio-Based Compounds on Supported Gold Catalysts. <i>Catalysts</i> , 2017 , 7, 352	4	32
36	Selective oxidation of glucose to glucuronic acid by cesium-promoted gold nanoparticle catalyst. <i>Journal of Molecular Catalysis A</i> , 2016 , 422, 35-42		42
35	Direct dehydration of 1,3-butanediol into butadiene over aluminosilicate catalysts. <i>Catalysis Science and Technology</i> , 2016 , 6, 5830-5840	5.5	30
34	Synergetic Behavior of TiO ₂ -Supported Pd(z)Pt(1%) Catalysts in the Green Synthesis of Methyl Formate. <i>ChemCatChem</i> , 2016 , 8, 1157-1166	5.2	8
33	Easy Access to Metallic Copper Nanoparticles with High Activity and Stability for CO Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 7987-94	9.5	60
32	Recent developments in maleic acid synthesis from bio-based chemicals. <i>Sustainable Chemical Processes</i> , 2015 , 3,		77
31	Modulation of the selectivity in partial oxidation of methanol over CuZnAl catalysts by adding CO ₂ and/or H ₂ into the reaction feed. <i>Applied Catalysis B: Environmental</i> , 2015 , 168-169, 14-24	21.8	14
30	Biomass-derived Platform Molecules Upgrading through Catalytic Processes: Yielding Chemicals and Fuels. <i>Journal of the Japan Petroleum Institute</i> , 2015 , 58, 257-273	1	23
29	Low temperature oxidation of methanol to methyl formate over Pd nanoparticles supported on Fe ₂ O ₃ . <i>Catalysis Science and Technology</i> , 2014 , 4, 738	5.5	29
28	Oxidation of methanol to methyl formate over supported Pd nanoparticles: insights into the reaction mechanism at low temperature. <i>Catalysis Science and Technology</i> , 2014 , 4, 3298-3305	5.5	28
27	Insights into the active surface species formed on Ta ₂ O ₅ nanotubes in the catalytic oxidation of CO. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5755-62	3.6	62

26	Study of mesoporous CdS-quantum-dot-sensitized TiO ₂ films by using X-ray photoelectron spectroscopy and AFM. <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 68-76	3	54
25	Magnetic nanomaterials in catalysis: advanced catalysts for magnetic separation and beyond. <i>Green Chemistry</i> , 2014 , 16, 2906	10	426
24	Catalytic abatement of CO over highly stable Pt supported on Ta ₂ O ₅ nanotubes. <i>Catalysis Communications</i> , 2014 , 48, 50-54	3.2	11
23	Direct Methyl Formate Formation from Methanol over Supported Palladium Nanoparticles at Low Temperature. <i>ChemCatChem</i> , 2013 , 5, 339-348	5.2	19
22	Influence of the Preparation Method on Catalytic Properties of Pd/TiO ₂ Catalysts in the Reaction of Partial Oxidation of Methanol. <i>Current Catalysis</i> , 2013 , 2, 27-34	0.4	6
21	Low Temperature-High Selectivity Process over Supported Pd Nanoparticles in Partial Oxidation of Methanol. <i>ChemCatChem</i> , 2012 , 4, 72-75	5.2	7
20	Cu _x Cr _y O _z mixed oxide as a promising support for gold □The effect of Au loading method on the effectiveness in oxidation reactions. <i>Catalysis Today</i> , 2012 , 187, 48-55	5.3	15
19	Supported Pd nanoparticles prepared by a modified water-in-oil microemulsion method. <i>Studies in Surface Science and Catalysis</i> , 2010 , 789-792	1.8	8
18	Determination of the Size of Supported Pd Nanoparticles by X-ray Photoelectron Spectroscopy. Comparison with X-ray Diffraction, Transmission Electron Microscopy, and H ₂ Chemisorption Methods. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 16677-16684	3.8	79
17	Incorporation of group five elements into the faujasite structure. <i>Studies in Surface Science and Catalysis</i> , 2010 , 445-448	1.8	7
16	Characterization of alumina- and niobia-supported gold catalysts used for oxidation of glycerol. <i>Applied Catalysis A: General</i> , 2010 , 384, 70-77	5.1	41
15	Insight on the promoting effect of Zr and Ti on the catalytic properties of Rh/SiO ₂ for partial oxidation of methane. <i>Applied Catalysis A: General</i> , 2010 , 384, 220-229	5.1	8
14	New Nb and TaBAU zeolites□Direct synthesis, characterisation and surface properties. <i>Catalysis Today</i> , 2010 , 158, 170-177	5.3	35
13	NiAg catalysts prepared by reduction of Ni ²⁺ ions in aqueous hydrazine II. Support effect. <i>Journal of Colloid and Interface Science</i> , 2009 , 332, 416-24	9.3	14
12	Study of Ni-Ag/SiO ₂ catalysts prepared by reduction in aqueous hydrazine. <i>Journal of Colloid and Interface Science</i> , 2008 , 317, 166-74	9.3	39
11	Ni/CeO ₂ catalysts prepared by aqueous hydrazine reduction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 317, 116-122	5.1	6
10	Hydrogen storage in nickel catalysts supported on activated carbon. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 1024-1032	6.7	123
9	NiCe intermetallic phases in CeO ₂ -supported nickel catalysts synthesized by □radiolysis. <i>Catalysis Today</i> , 2006 , 113, 157-165	5.3	47

8	Nickel niobia interaction in non-classical Ni/Nb ₂ O ₅ catalysts. <i>Journal of Molecular Catalysis A</i> , 2006 , 256, 225-233		33
7	Study of nickel nanoparticles supported on activated carbon prepared by aqueous hydrazine reduction. <i>Journal of Colloid and Interface Science</i> , 2006 , 299, 238-48	9.3	76
6	Hydrogen storage on nickel catalysts supported on amorphous activated carbon. <i>Catalysis Communications</i> , 2005 , 6, 777-783	3.2	71
5	Study of nickel catalysts supported on Al ₂ O ₃ , SiO ₂ or Nb ₂ O ₅ oxides. <i>Journal of Molecular Catalysis A</i> , 2005 , 242, 81-90		62
4	Nickel containing MCM-41 and AlMCM-41 mesoporous molecular sieves: Characteristics and activity in the hydrogenation of benzene. <i>Applied Catalysis A: General</i> , 2004 , 268, 241-253	5.1	119
3	Effect of antigen site and complement receptor status on the rate of cleavage of C3c antigen from red cell bound C3b. <i>Blood</i> , 1988 , 71, 786-790	2.2	6
2	Effect of antigen site and complement receptor status on the rate of cleavage of C3c antigen from red cell bound C3b. <i>Blood</i> , 1988 , 71, 786-790	2.2	
1	Hybrid monometallic and bimetallic copper/palladium zeolite catalysts for direct synthesis of dimethyl ether from CO ₂ . <i>New Journal of Chemistry</i> ,	3.6	2