Krzysztof Matus

List of Publications by Year
in descending order

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38	319	933447	996975
papers	citations	10 h-index	15 g-index

40	40	40	369
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CO2 Hydrogenation to Methanol over Ce and Zr Containing UiO-66 and Cu/UiO-66. Catalysts, 2020, 10, 39.	3.5	32
2	The impact of synthesis method of CNT supported CeZrO2 and Ni-CeZrO2 on catalytic activity in WGS reaction. Catalysis Today, 2018, 301, 172-182.	4.4	24
3	Alumina and Zirconia-Reinforced Polyamide PA-12 Composites for Biomedical Additive Manufacturing. Materials, 2021, 14, 6201.	2.9	24
4	Effect of Calcination Temperature on the Phase Composition, Morphology, and Thermal Properties of ZrO2 and Al2O3 Modified with APTES (3-aminopropyltriethoxysilane). Materials, 2021, 14, 6651.	2.9	24
5	HKUST-1-Supported Cerium Catalysts for CO Oxidation. Catalysts, 2020, 10, 108.	3.5	15
6	Influence of Solidification Conditions on the Microstructure of Laser-Surface-Melted Ductile Cast Iron. Materials, 2020, 13, 1174.	2.9	14
7	Evolution of Microstructure, Texture and Corrosion Properties of Additively Manufactured AlSi10Mg Alloy Subjected to Equal Channel Angular Pressing (ECAP). Symmetry, 2022, 14, 674.	2.2	11
8	Tuning nano-nickel selectivity with tin in flow hydrogenation of 6-methyl-5-hepten-2-one by surface organometallic chemistry modification. Catalysis Today, 2018, 308, 38-44.	4.4	10
9	n-Hexane conversion on Î³-alumina supported palladiumâ€“platinum catalysts. Adsorption, 2019, 25, 843-853.	3.0	10
10	Dry Reforming of Methane over CNT-Supported CeZrO2, Ni and Ni-CeZrO2 Catalysts. Catalysts, 2020, 10, 741.	3.5	10
11	Comparison of the Crystal Structure and Wear Resistance of Co-Based Alloys with Low Carbon Content Manufactured by Selective Laser Sintering and Powder Injection Molding. Crystals, 2020, 10, 197.	2.2	10
12	Continuous 2-Methyl-3-butyn-2-ol Selective Hydrogenation on Pd/Î³-Al2O3 as a Green Pathway of Vitamin A Precursor Synthesis. Catalysts, 2021, 11, 501.	3.5	10
13	Mechanical and thermal stability of retained austenite in plastically deformed bainite-based TRIP-aided medium-Mn steels. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	3.8	10
14	Alkane isomerization on highly reduced Pd/Al2O3 catalysts. The crucial role of Pd-Al species. Catalysis Communications, 2019, 123, 17-22.	3.3	9
15	Mechanical stability of retained austenite in aluminum-containing medium-Mn steel deformed at different temperatures. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	3.8	9
16	Application of silica-supported Ir and Ir-M (Mâ€¯=â€¯Pt, Pd, Au) catalysts for low-temperature hydrodechlorination of tetrachloromethane. Science of the Total Environment, 2018, 644, 287-297.	8.0	8
17	Onâ€theâ€fly Catalyst Accretion and Screening in Chemoselective Flow Hydrogenation. ChemCatChem, 2018, 10, 3641-3646.	3.7	8
18	An Organicâ€“Inorganic Hybrid Nanocomposite as a Potential New Biological Agent. Nanomaterials, 2020, 10, 2551.	4.1	8

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19	Dry Reforming of Methane over Carbon Fibre-Supported CeZrO2, Ni-CeZrO2, Pt-CeZrO2 and Pt-Ni-CeZrO2 Catalysts. Catalysts, 2021, 11, 563.	3.5	8
20	Hydrodechlorination of CHClF2 (HCFC-22) over Pdâ€“Pt Catalysts Supported on Thermally Modified Activated Carbon. Catalysts, 2020, 10, 1291.	3.5	7
21	Influence of microwave activation on the catalytic behavior of Pd-Au/C catalysts employed in the hydrodechlorination of tetrachloromethane. Reaction Kinetics, Mechanisms and Catalysis, 2018, 124, 375-388.	1.7	6
22	Structure and Properties of Co-Cr-Mo Alloy Manufactured by Powder Injection Molding Method. Materials, 2021, 14, 2010.	2.9	6
23	The Laser Alloying Process of Ductile Cast Iron Surface with Titanium Powder in Nitrogen Atmosphere. Coatings, 2022, 12, 227.	2.6	6
24	Structure of Fe-Mn-Al-C Steels after Gleeble Simulations and Hot-Rolling. Materials, 2020, 13, 739.	2.9	5
25	Boosting the Performance of Nano-Ni Catalysts by Palladium Doping in Flow Hydrogenation of Sulcatone. Catalysts, 2020, 10, 1267.	3.5	4
26	Ultrasound Effect on the Microstructure and Hardness of AlMg3 Alloy under Upsetting. Materials, 2021, 14, 1010.	2.9	4
27	Continuous-flow hydrogenation over resin supported palladium catalyst for the synthesis of industrially relevant chemicals. Reaction Kinetics, Mechanisms and Catalysis, 2021, 132, 717-728.	1.7	4
28	Turbostratic carbon supported palladium as an efficient catalyst for reductive purification of water from trichloroethylene. AIMS Materials Science, 2017, 4, 1276-1288.	1.4	4
29	Decoration of Cubeâ€Like Ceria Crystals by Wellâ€Dispersed Au Nanoparticles: Surface Influence. ChemistrySelect, 2020, 5, 2871-2877.	1.5	3
30	Cenospheres-Reinforced PA-12 Composite: Preparation, Physicochemical Properties, and Soaking Tests. Polymers, 2022, 14, 2332.	4.5	3
31	Generation of palladium silicide in the PdAu-SiO2 nanocomposites during heating in hydrogen. Journal of Alloys and Compounds, 2018, 735, 349-354.	5.5	2
32	n-Hexane Hydrogenolysis Behavior of Alumina-Supported Palladiumâ€“Platinum Alloys. Catalysis Letters, 2019, 149, 3176-3183.	2.6	2
33	Tuning Nanoâ€Nickel Catalyst Hydrogenation Aptitude by Onâ€theâ€Fly Zirconium Doping. ChemCatChem, 2020, 12, 3132-3138.	3.7	2
34	High-Power Diode Laser Surface Transformation Hardening of Ferrous Alloys. Materials, 2022, 15, 1915.	2.9	2
35	Effect of unimodality and bimodality of Pd nanoparticles on the catalytic activity of Pd/SiO2 in the removal of diclofenac from water. Catalysis Communications, 2020, 143, 106056.	3.3	1
36	Towards High Efficacy of Pd-Au/C Catalyst for Tetrachloromethane Hydrodechlorination. Chemistry, 2021, 3, 338-359.	2.2	1

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37	Co Loading Adjustment for the Effective Obtention of a Sedative Drug Precursor through Efficient Continuous-Flow Chemoselective Hydrogenation of 2-Methyl-2-Pentenal. Catalysts, 2022, 12, 19.	3.5	1
38	Morphology, Phase and Chemical Analysis of Leachate after Bioleaching Metals from Printed Circuit Boards. Materials, 2022, 15, 4373.	2.9	1