

Krzysztof Matus

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The Laser Alloying Process of Ductile Cast Iron Surface with Titanium Powder in Nitrogen Atmosphere. <i>Coatings</i> , 2022, 12, 227.	2.6	6
2	High-Power Diode Laser Surface Transformation Hardening of Ferrous Alloys. <i>Materials</i> , 2022, 15, 1915.	2.9	2
3	Evolution of Microstructure, Texture and Corrosion Properties of Additively Manufactured AlSi10Mg Alloy Subjected to Equal Channel Angular Pressing (ECAP). <i>Symmetry</i> , 2022, 14, 674.	2.2	11
4	Co Loading Adjustment for the Effective Obtention of a Sedative Drug Precursor through Efficient Continuous-Flow Chemoselective Hydrogenation of 2-Methyl-2-Pentalen. <i>Catalysts</i> , 2022, 12, 19.	3.5	1
5	Cenospheres-Reinforced PA-12 Composite: Preparation, Physicochemical Properties, and Soaking Tests. <i>Polymers</i> , 2022, 14, 2332.	4.5	3
6	Morphology, Phase and Chemical Analysis of Leachate after Bioleaching Metals from Printed Circuit Boards. <i>Materials</i> , 2022, 15, 4373.	2.9	1
7	Mechanical stability of retained austenite in aluminum-containing medium-Mn steel deformed at different temperatures. <i>Archives of Civil and Mechanical Engineering</i> , 2021, 21, 1.	3.8	9
8	Ultrasound Effect on the Microstructure and Hardness of AlMg3 Alloy under Upsetting. <i>Materials</i> , 2021, 14, 1010.	2.9	4
9	Continuous-flow hydrogenation over resin supported palladium catalyst for the synthesis of industrially relevant chemicals. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 132, 717-728.	1.7	4
10	Towards High Efficacy of Pd-Au/C Catalyst for Tetrachloromethane Hydrodechlorination. <i>Chemistry</i> , 2021, 3, 338-359.	2.2	1
11	Dry Reforming of Methane over Carbon Fibre-Supported CeZrO ₂ , Ni-CeZrO ₂ , Pt-CeZrO ₂ and Pt-Ni-CeZrO ₂ Catalysts. <i>Catalysts</i> , 2021, 11, 563.	3.5	8
12	Structure and Properties of Co-Cr-Mo Alloy Manufactured by Powder Injection Molding Method. <i>Materials</i> , 2021, 14, 2010.	2.9	6
13	Continuous 2-Methyl-3-butyn-2-ol Selective Hydrogenation on Pd/ γ -Al ₂ O ₃ as a Green Pathway of Vitamin A Precursor Synthesis. <i>Catalysts</i> , 2021, 11, 501.	3.5	10
14	Mechanical and thermal stability of retained austenite in plastically deformed bainite-based TRIP-aided medium-Mn steels. <i>Archives of Civil and Mechanical Engineering</i> , 2021, 21, 1.	3.8	10
15	Alumina and Zirconia-Reinforced Polyamide PA-12 Composites for Biomedical Additive Manufacturing. <i>Materials</i> , 2021, 14, 6201.	2.9	24
16	Effect of Calcination Temperature on the Phase Composition, Morphology, and Thermal Properties of ZrO ₂ and Al ₂ O ₃ Modified with APTES (3-aminopropyltriethoxysilane). <i>Materials</i> , 2021, 14, 6651.	2.9	24
17	CO ₂ Hydrogenation to Methanol over Ce and Zr Containing UiO-66 and Cu/UiO-66. <i>Catalysts</i> , 2020, 10, 39.	3.5	32
18	Boosting the Performance of Nano-Ni Catalysts by Palladium Doping in Flow Hydrogenation of Sulcatone. <i>Catalysts</i> , 2020, 10, 1267.	3.5	4

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19	Hydrodechlorination of CHClF ₂ (HCFC-22) over Pd–Pt Catalysts Supported on Thermally Modified Activated Carbon. <i>Catalysts</i> , 2020, 10, 1291.	3.5	7
20	Dry Reforming of Methane over CNT-Supported CeZrO ₂ , Ni and Ni-CeZrO ₂ Catalysts. <i>Catalysts</i> , 2020, 10, 741.	3.5	10
21	An Organic–Inorganic Hybrid Nanocomposite as a Potential New Biological Agent. <i>Nanomaterials</i> , 2020, 10, 2551.	4.1	8
22	Effect of unimodality and bimodality of Pd nanoparticles on the catalytic activity of Pd/SiO ₂ in the removal of diclofenac from water. <i>Catalysis Communications</i> , 2020, 143, 106056.	3.3	1
23	Decoration of Cube-Like Ceria Crystals by Well-Dispersed Au Nanoparticles: Surface Influence. <i>ChemistrySelect</i> , 2020, 5, 2871-2877.	1.5	3
24	Influence of Solidification Conditions on the Microstructure of Laser-Surface-Melted Ductile Cast Iron. <i>Materials</i> , 2020, 13, 1174.	2.9	14
25	Structure of Fe-Mn-Al-C Steels after Gleeble Simulations and Hot-Rolling. <i>Materials</i> , 2020, 13, 739.	2.9	5
26	HKUST-1-Supported Cerium Catalysts for CO Oxidation. <i>Catalysts</i> , 2020, 10, 108.	3.5	15
27	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. <i>Crystals</i> , 2020, 10, 197.	2.2	10
28	Tuning Nano-Nickel Catalyst Hydrogenation Aptitude by On-the-Fly Zirconium Doping. <i>ChemCatChem</i> , 2020, 12, 3132-3138.	3.7	2
29	n-Hexane Hydrogenolysis Behavior of Alumina-Supported Palladium–Platinum Alloys. <i>Catalysis Letters</i> , 2019, 149, 3176-3183.	2.6	2
30	n-Hexane conversion on γ -alumina supported palladium–platinum catalysts. <i>Adsorption</i> , 2019, 25, 843-853.	3.0	10
31	Alkane isomerization on highly reduced Pd/Al ₂ O ₃ catalysts. The crucial role of Pd-Al species. <i>Catalysis Communications</i> , 2019, 123, 17-22.	3.3	9
32	Influence of microwave activation on the catalytic behavior of Pd-Au/C catalysts employed in the hydrodechlorination of tetrachloromethane. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018, 124, 375-388.	1.7	6
33	The impact of synthesis method of CNT supported CeZrO ₂ and Ni-CeZrO ₂ on catalytic activity in WGS reaction. <i>Catalysis Today</i> , 2018, 301, 172-182.	4.4	24
34	Tuning nano-nickel selectivity with tin in flow hydrogenation of 6-methyl-5-hepten-2-one by surface organometallic chemistry modification. <i>Catalysis Today</i> , 2018, 308, 38-44.	4.4	10
35	Generation of palladium silicide in the PdAu-SiO ₂ nanocomposites during heating in hydrogen. <i>Journal of Alloys and Compounds</i> , 2018, 735, 349-354.	5.5	2
36	Application of silica-supported Ir and Ir-M (M = Pt, Pd, Au) catalysts for low-temperature hydrodechlorination of tetrachloromethane. <i>Science of the Total Environment</i> , 2018, 644, 287-297.	8.0	8

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37	<i>On-the-fly</i> Catalyst Accretion and Screening in Chemoselective Flow Hydrogenation. <i>ChemCatChem</i> , 2018, 10, 3641-3646.	3.7	8
38	Turbostratic carbon supported palladium as an efficient catalyst for reductive purification of water from trichloroethylene. <i>AIMS Materials Science</i> , 2017, 4, 1276-1288.	1.4	4