

Mika HUUHTANEN

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,413
citations

394286

19
h-index

330025

37
g-index

51
all docs

51
docs citations

51
times ranked

2100
citing authors

#	ARTICLE	IF	CITATIONS
1	Process modelling and feasibility study of sorption-enhanced methanol synthesis. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 179, 109052.	1.8	1
2	Preparation of Granulated Biomass Carbon Catalysts—Structure Tailoring, Characterization, and Use in Catalytic Wet Air Oxidation of Bisphenol A. <i>Catalysts</i> , 2021, 11, 251.	1.6	4
3	Characterization of Pt-based oxidation catalyst — Deactivated simultaneously by sulfur and phosphorus. <i>Journal of Catalysis</i> , 2021, 397, 183-191.	3.1	9
4	Modelling and Cost Estimation for Conversion of Green Methanol to Renewable Liquid Transport Fuels via Olefin Oligomerisation. <i>Processes</i> , 2021, 9, 1046.	1.3	13
5	Characterization of mineral wool waste chemical composition, organic resin content and fiber dimensions: Aspects for valorization. <i>Waste Management</i> , 2021, 131, 323-330.	3.7	20
6	Vanadia—Zirconia and Vanadia—Hafnia Catalysts for Utilization of Volatile Organic Compound Emissions. <i>Materials</i> , 2021, 14, 5265.	1.3	1
7	Regeneration of sulfur-poisoned Pd-based catalyst for natural gas oxidation. <i>Journal of Catalysis</i> , 2018, 358, 253-265.	3.1	41
8	Random networks of core-shell-like Cu-Cu ₂ O/CuO nanowires as surface plasmon resonance-enhanced sensors. <i>Scientific Reports</i> , 2018, 8, 4708.	1.6	20
9	The Impact of Sulphur, Phosphorus and their Co-effect on Pt/SiO ₂ —ZrO ₂ Diesel Oxidation Catalysts. <i>Topics in Catalysis</i> , 2017, 60, 307-311.	1.3	6
10	Electron microscopic studies of natural gas oxidation catalyst — Effects of thermally accelerated aging on catalyst microstructure. <i>Journal of Catalysis</i> , 2017, 349, 19-29.	3.1	10
11	Deactivation of Pt/SiO ₂ -ZrO ₂ diesel oxidation catalysts by sulphur, phosphorus and their combinations. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 409-419.	10.8	20
12	Selectivity engineering of O-methylation of hydroxybenzenes with dimethyl carbonate using ionic liquid as catalyst. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 330-339.	1.9	23
13	The Influence of Phosphorus Exposure on a Natural-Gas-Oxidation Catalyst. <i>Topics in Catalysis</i> , 2016, 59, 1044-1048.	1.3	4
14	Accelerated deactivation studies of the natural-gas oxidation catalyst—Verifying the role of sulfur and elevated temperature in catalyst aging. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 439-448.	10.8	24
15	Direct synthesis of formic acid from carbon dioxide and hydrogen: A thermodynamic and experimental study using poly-urea encapsulated catalysts. <i>Chemical Engineering Journal</i> , 2016, 285, 625-634.	6.6	16
16	Low temperature steam reforming of ethanol over advanced carbon nanotube-based catalysts. <i>Green Processing and Synthesis</i> , 2015, 4, .	1.3	0
17	Particle and NO _x emissions of a non-road diesel engine with an SCR unit: The effect of fuel. <i>Renewable Energy</i> , 2015, 77, 377-385.	4.3	30
18	Carbon supported catalysts in low temperature steam reforming of ethanol: study of catalyst performance. <i>RSC Advances</i> , 2015, 5, 49487-49492.	1.7	9

#	ARTICLE	IF	CITATIONS
19	The Effect of Phosphorus Exposure on Diesel Oxidation Catalysts Part I: Activity Measurements, Elementary and Surface Analyses. Topics in Catalysis, 2015, 58, 961-970.	1.3	17
20	The Effect of Phosphorus Exposure on Diesel Oxidation Catalysts Part II: Characterization of Structural Changes by Transmission Electron Microscopy. Topics in Catalysis, 2015, 58, 971-976.	1.3	12
21	Noble Metal/CNT Based Catalysts in NH ₃ and EtOH Assisted SCR of NO. Topics in Catalysis, 2015, 58, 984-992.	1.3	12
22	Activity Enhancement of W/CeZr Oxide Catalysts by SO ₂ Treatment in NH ₃ -SCR. Topics in Catalysis, 2015, 58, 1002-1011.	1.3	11
23	Photocatalytic Degradation of Organic Pollutants in Wastewater. Topics in Catalysis, 2015, 58, 1085-1099.	1.3	83
24	Photocatalytic activity of nitrogen-doped TiO ₂ -based nanowires: a photo-assisted Kelvin probe force microscopy study. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	11
25	Titania nanofibers in gypsum composites: an antibacterial and cytotoxicology study. Journal of Materials Chemistry B, 2014, 2, 1307.	2.9	19
26	Selective catalytic reduction of NO by hydrogen (H ₂ -SCR) on WO ₃ -promoted Ce ZrO ₂ solids. Applied Catalysis B: Environmental, 2014, 156-157, 72-83.	10.8	49
27	DIRECT CO ₂ SEQUESTRATION ONTO ALKALINE MODIFIED OIL SHALE FLY ASH. Oil Shale, 2014, 31, 79.	0.5	1
28	Structural Characteristics of Natural-Gas-Vehicle-Aged Oxidation Catalyst. Topics in Catalysis, 2013, 56, 576-585.	1.3	27
29	The Effect of Biofuel Originated Potassium and Sodium on the NH ₃ -SCR Activity of Fe/ZSM-5 and W/ZSM-5 Catalysts. Topics in Catalysis, 2013, 56, 602-610.	1.3	7
30	Photocatalytic Degradation of Butanol in Aqueous Solutions by TiO ₂ Nanofibers. Topics in Catalysis, 2013, 56, 630-636.	1.3	8
31	Deactivation of Diesel Oxidation Catalysts by Sulphur in Laboratory and Engine-Bench Scale Aging. Topics in Catalysis, 2013, 56, 672-678.	1.3	14
32	Biobutanol Production from Biomass. , 2013, , 443-470.		8
33	Hydrogen production from bio-ethanol steam reforming reaction in a Pd/PSS membrane reactor. Catalysis Today, 2012, 193, 42-48.	2.2	69
34	Nitrogen-Doped Anatase Nanofibers Decorated with Noble Metal Nanoparticles for Photocatalytic Production of Hydrogen. ACS Nano, 2011, 5, 5025-5030.	7.3	137
35	Alkaline modified oil shale fly ash: Optimal synthesis conditions and preliminary tests on CO ₂ adsorption. Journal of Hazardous Materials, 2011, 196, 180-186.	6.5	21
36	The Effect of Sulphur and Water Treatments on the Performance of Pd/Zeolite Diesel Oxidation Catalysts. Topics in Catalysis, 2011, 54, 1185-1189.	1.3	3

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37	Enhanced photocatalytic activity of TiO ₂ nanofibers and their flexible composite films: Decomposition of organic dyes and efficient H ₂ generation from ethanol-water mixtures. <i>Nano Research</i> , 2011, 4, 360-369.	5.8	109
38	CNT-based catalysts for H ₂ production by ethanol reforming. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 12588-12595.	3.8	43
39	The activity of Pt/Al ₂ O ₃ diesel oxidation catalyst after sulphur and calcium treatments. <i>Catalysis Today</i> , 2010, 154, 303-307.	2.2	34
40	Ethylene Oxide Formation in a Microreactor: From Qualitative Kinetics to Detailed Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 10897-10907.	1.8	30
41	Three-Dimensional Carbon Nanotube Scaffolds as Particulate Filters and Catalyst Support Membranes. <i>ACS Nano</i> , 2010, 4, 2003-2008.	7.3	72
42	The Effect of Sulphur on the Activity of Pd/Al ₂ O ₃ , Pd/CeO ₂ and Pd/ZrO ₂ Diesel Exhaust Gas Catalysts. <i>Catalysis Letters</i> , 2009, 127, 49-54.	1.4	37
43	The Effect of SO ₂ and H ₂ O on the Activity of Pd/CeO ₂ and Pd/ZrO ₂ Diesel Oxidation Catalysts. <i>Topics in Catalysis</i> , 2009, 52, 2025-2028.	1.3	16
44	Synthesis and activity measurement of the some bifunctional platinum loaded Beta zeolite catalysts for n-heptane hydroisomerization. <i>Journal of Industrial and Engineering Chemistry</i> , 2008, 14, 614-621.	2.9	25
45	SYNTHESIS AND DETERMINATION OF THE PROPERTIES OF THE BIFUNCTIONAL BETA ZEOLITE CATALYSTS FOR N-HEPTANE HYDROISOMERIZATION. <i>Journal of the Chilean Chemical Society</i> , 2008, 53, .	0.5	4
46	Room temperature chemical deposition of palladium nanoparticles in anodic aluminium oxide templates. <i>Nanotechnology</i> , 2006, 17, 1459-1463.	1.3	15
47	Pt-loaded zeolites for reducing exhaust gas emissions at low temperatures and in lean conditions. <i>Catalysis Today</i> , 2005, 100, 321-325.	2.2	20
48	The effect of NO ₂ on the activity of fresh and aged zeolite catalysts in the NH ₃ -SCR reaction. <i>Catalysis Today</i> , 2005, 100, 217-222.	2.2	218
49	Integration of in Situ FTIR Studies and Catalyst Activity Measurements in Reaction Kinetic Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 2756-2766.	1.8	5
50	In situ FTIR study on NO reduction by C ₃ H ₆ over Pd-based catalysts. <i>Catalysis Today</i> , 2002, 75, 379-384.	2.2	25