

# Mika HUUHTANEN

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8618172/publications.pdf>

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	The effect of NO <sub>2</sub> on the activity of fresh and aged zeolite catalysts in the NH <sub>3</sub> -SCR reaction. <i>Catalysis Today</i> , 2005, 100, 217-222.	2.2	218
2	Nitrogen-Doped Anatase Nanofibers Decorated with Noble Metal Nanoparticles for Photocatalytic Production of Hydrogen. <i>ACS Nano</i> , 2011, 5, 5025-5030.	7.3	137
3	Enhanced photocatalytic activity of TiO <sub>2</sub> nanofibers and their flexible composite films: Decomposition of organic dyes and efficient H <sub>2</sub> generation from ethanol-water mixtures. <i>Nano Research</i> , 2011, 4, 360-369.	5.8	109
4	Photocatalytic Degradation of Organic Pollutants in Wastewater. <i>Topics in Catalysis</i> , 2015, 58, 1085-1099.	1.3	83
5	Three-Dimensional Carbon Nanotube Scaffolds as Particulate Filters and Catalyst Support Membranes. <i>ACS Nano</i> , 2010, 4, 2003-2008.	7.3	72
6	Hydrogen production from bio-ethanol steam reforming reaction in a Pd/PSS membrane reactor. <i>Catalysis Today</i> , 2012, 193, 42-48.	2.2	69
7	Selective catalytic reduction of NO by hydrogen (H <sub>2</sub> -SCR) on WO <sub>3</sub> -promoted Ce Zr <sub>1</sub> -O <sub>2</sub> solids. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 72-83.	10.8	49
8	CNT-based catalysts for H <sub>2</sub> production by ethanol reforming. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 12588-12595.	3.8	43
9	Regeneration of sulfur-poisoned Pd-based catalyst for natural gas oxidation. <i>Journal of Catalysis</i> , 2018, 358, 253-265.	3.1	41
10	The Effect of Sulphur on the Activity of Pd/Al <sub>2</sub> O <sub>3</sub> , Pd/CeO <sub>2</sub> and Pd/ZrO <sub>2</sub> Diesel Exhaust Gas Catalysts. <i>Catalysis Letters</i> , 2009, 127, 49-54.	1.4	37
11	The activity of Pt/Al <sub>2</sub> O <sub>3</sub> diesel oxidation catalyst after sulphur and calcium treatments. <i>Catalysis Today</i> , 2010, 154, 303-307.	2.2	34
12	Ethylene Oxide Formation in a Microreactor: From Qualitative Kinetics to Detailed Modeling. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 10897-10907.	1.8	30
13	Particle and NO <sub>x</sub> 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
14	Structural Characteristics of Natural-Gas-Vehicle-Aged Oxidation Catalyst. <i>Topics in Catalysis</i> , 2013, 56, 576-585.	1.3	27
15	In situ FTIR study on NO reduction by C <sub>3</sub> H <sub>6</sub> over Pd-based catalysts. <i>Catalysis Today</i> , 2002, 75, 379-384.	2.2	25
16	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
17	Accelerated deactivation studies of the natural-gas oxidation catalysts – Verifying the role of sulfur and elevated temperature in catalyst aging. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 439-448.	10.8	24
18	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

#	ARTICLE	IF	CITATIONS
19	Alkaline modified oil shale fly ash: Optimal synthesis conditions and preliminary tests on CO <sub>2</sub> adsorption. <i>Journal of Hazardous Materials</i> , 2011, 196, 180-186.	6.5	21
20	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
21	Deactivation of Pt/SiO <sub>2</sub> -ZrO <sub>2</sub> diesel oxidation catalysts by sulphur, phosphorus and their combinations. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 409-419.	10.8	20
22	Random networks of core-shell-like Cu-Cu <sub>2</sub> O/CuO nanowires as surface plasmon resonance-enhanced sensors. <i>Scientific Reports</i> , 2018, 8, 4708.	1.6	20
23	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
24	Titania nanofibers in gypsum composites: an antibacterial and cytotoxicology study. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1307.	2.9	19
25	The Effect of Phosphorus Exposure on Diesel Oxidation Catalysts Part I: Activity Measurements, Elementary and Surface Analyses. <i>Topics in Catalysis</i> , 2015, 58, 961-970.	1.3	17
26	The Effect of SO <sub>2</sub> and H <sub>2</sub> O on the Activity of Pd/CeO <sub>2</sub> and Pd/ZrO <sub>2</sub> /CeO <sub>2</sub> Diesel Oxidation Catalysts. <i>Topics in Catalysis</i> , 2009, 52, 2025-2028.	1.3	16
27	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
28	Room temperature chemical deposition of palladium nanoparticles in anodic aluminium oxide templates. <i>Nanotechnology</i> , 2006, 17, 1459-1463.	1.3	15
29	Deactivation of Diesel Oxidation Catalysts by Sulphur in Laboratory and Engine-Bench Scale Aging. <i>Topics in Catalysis</i> , 2013, 56, 672-678.	1.3	14
30	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
31	The Effect of Phosphorus Exposure on Diesel Oxidation Catalysts Part II: Characterization of Structural Changes by Transmission Electron Microscopy. <i>Topics in Catalysis</i> , 2015, 58, 971-976.	1.3	12
32	Noble Metal/CNT Based Catalysts in NH <sub>3</sub> and EtOH Assisted SCR of NO. <i>Topics in Catalysis</i> , 2015, 58, 984-992.	1.3	12
33	Photocatalytic activity of nitrogen-doped TiO <sub>2</sub> -based nanowires: a photo-assisted Kelvin probe force microscopy study. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	11
34	Activity Enhancement of W/CeZr Oxide Catalysts by SO <sub>2</sub> Treatment in NH <sub>3</sub> -SCR. <i>Topics in Catalysis</i> , 2015, 58, 1002-1011.	1.3	11
35	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
36	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
37	Characterization of Pt-based oxidation catalyst – Deactivated simultaneously by sulfur and phosphorus. <i>Journal of Catalysis</i> , 2021, 397, 183-191.	3.1	9
38	Photocatalytic Degradation of Butanol in Aqueous Solutions by TiO <sub>2</sub> Nanofibers. <i>Topics in Catalysis</i> , 2013, 56, 630-636.	1.3	8
39	Biobutanol Production from Biomass. , 2013, , 443-470.		8
40	The Effect of Biofuel Originated Potassium and Sodium on the NH <sub>3</sub> -SCR Activity of Fe–ZSM-5 and W–ZSM-5 Catalysts. <i>Topics in Catalysis</i> , 2013, 56, 602-610.	1.3	7
41	The Impact of Sulphur, Phosphorus and their Co-effect on Pt/SiO <sub>2</sub> –ZrO <sub>2</sub> Diesel Oxidation Catalysts. <i>Topics in Catalysis</i> , 2017, 60, 307-311.	1.3	6
42	Integration of in Situ FTIR Studies and Catalyst Activity Measurements in Reaction Kinetic Analysis. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 2756-2766.	1.8	5
43	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
44	The Influence of Phosphorus Exposure on a Natural-Gas-Oxidation Catalyst. <i>Topics in Catalysis</i> , 2016, 59, 1044-1048.	1.3	4
45	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
46	The Effect of Sulphur and Water Treatments on the Performance of Pd/γ-Zeolite Diesel Oxidation Catalysts. <i>Topics in Catalysis</i> , 2011, 54, 1185-1189.	1.3	3
47	Vanadia–Zirconia and Vanadia–Hafnia Catalysts for Utilization of Volatile Organic Compound Emissions. <i>Materials</i> , 2021, 14, 5265.	1.3	1
48	DIRECT CO <sub>2</sub> SEQUESTRATION ONTO ALKALINE MODIFIED OIL SHALE FLY ASH. <i>Oil Shale</i> , 2014, 31, 79.	0.5	1
49	Process modelling and feasibility study of sorption-enhanced methanol synthesis. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 179, 109052.	1.8	1
50	Low temperature steam reforming of ethanol over advanced carbon nanotube-based catalysts. <i>Green Processing and Synthesis</i> , 2015, 4, .	1.3	0