

# Volkmar Zielasek

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9145135/publications.pdf>

Version: 2024-02-01

12  
papers

182  
citations

1307594

7  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

323  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly active Co <sup>2+</sup> /Al <sub>2</sub> O <sub>3</sub> -based catalysts for CO <sub>2</sub> methanation with very low platinum promotion prepared by double flame spray pyrolysis. Catalysis Science and Technology, 2016, 6, 7449-7460.	4.1	57
2	New gold and silver-gold catalysts in the shape of sponges and sieves. Gold Bulletin, 2007, 40, 142-149.	2.7	45
3	Ethylene diamine-assisted synthesis of iron oxide nanoparticles in high-boiling polyols. Journal of Colloid and Interface Science, 2014, 417, 188-198.	9.4	21
4	Impact of Organic Ligands on the Structure and Hydrogenation Performance of Colloidally Prepared Bimetallic PtSn Nanoparticles. ChemCatChem, 2013, 5, 1803-1810.	3.7	12
5	Design and Fabrication Challenges of a Highly Sensitive Thermoelectric-Based Hydrogen Gas Sensor. Micromachines, 2019, 10, 650.	2.9	10
6	Characterization of a highly sensitive and selective hydrogen gas sensor employing Pt nanoparticle network catalysts based on different bifunctional ligands. Sensors and Actuators B: Chemical, 2020, 322, 128619.	7.8	9
7	Ligand-Linked Nanoparticles-Based Hydrogen Gas Sensor with Excellent Homogeneous Temperature Field and a Comparative Stability Evaluation of Different Ligand-Linked Catalysts. Sensors, 2019, 19, 1205.	3.8	8
8	Investigation of the Growth Behaviour of Cobalt Thin Films from Chemical Vapour Deposition, Using Directly Coupled X-ray Photoelectron Spectroscopy. Zeitschrift Fur Physikalische Chemie, 2015, 229, 1887-1905.	2.8	7
9	Methanol Adsorption and Reaction on Samaria Thin Films on Pt(111). Materials, 2015, 8, 6228-6256.	2.9	5
10	Synthesis and Characterization of Ligand-Linked Pt Nanoparticles: Tunable, Three-Dimensional, Porous Networks for Catalytic Hydrogen Sensing. ChemistryOpen, 2021, 10, 697-712.	1.9	4
11	Highly Sensitive and Selective Hydrogen Gas Sensor with Platinum Nanoparticles Linked by 4,4'-Diamino-P-Terphenyl (Dater). , 2019, , .		3
12	CO and D2O chemistry on continuous and discontinuous samaria thin films on Pt(111). Surface Science, 2016, 650, 221-229.	1.9	1