# Agnieszka M Ruppert

List of Publications by Year
in descending order



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|---|---|---|---|
| 51 papers | 2,829 citations | 304743 22 h-index | 189892 50 g-index |
| 58 all docs | 58 docs citations | 58 times ranked | 3305 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Influence of the presence of impurities and of the biomass source on the performance of Ru catalysts in the hydrolytic hydrogenation of cellulose towards Î³-valerolactone. Fuel, 2022, 319, 123646. | 6.4 | 4 |
| 2 | Catalyst Stabilityâ€"Bottleneck of Efficient Catalytic Pyrolysis. Catalysts, 2021, 11, 265. | 3.5 | 22 |
| 3 | UV-A light-assisted gas-phase formic acid decomposition on photo-thermo Ru/TiO2 catalyst. Catalysis Today, 2021, 380, 138-146. | 4.4 | 8 |
| 4 | Photo-/thermal synergies in heterogeneous catalysis: Towards low-temperature (solar-driven) processing for sustainable energy and chemicals. Applied Catalysis B: Environmental, 2021, 296, 120320. | 20.2 | 66 |
| 5 | Self-tuned properties of CuZnO catalysts for hydroxymethylfurfural hydrodeoxygenation towards dimethylfuran production. Catalysis Science and Technology, 2020, 10, 658-670. | 4.1 | 25 |
| 6 | Highly Efficient Production of DMF from Biomass-Derived HMF on Recyclable Ni-Fe/TiO2 Catalysts. Energies, 2020, 13, 4660. | 3.1 | 15 |
| 7 | The Influence of Carbon Nature on the Catalytic Performance of Ru/C in Levulinic Acid Hydrogenation with Internal Hydrogen Source. Molecules, 2020, 25, 5362. | 3.8 | 6 |
| 8 | TiO<sub>2</sub> supported Ru catalysts for the hydrogenation of succinic acid: influence of the support. Catalysis Science and Technology, 2020, 10, 6860-6869. | 4.1 | 11 |
| 9 | Ni-Pd/Î³-Al2O3 Catalysts in the Hydrogenation of Levulinic Acid and Hydroxymethylfurfural towards Value Added Chemicals. Catalysts, 2020, 10, 1026. | 3.5 | 14 |
| 10 | Solvothermal hydrodeoxygenation of hydroxymethylfurfural derived from biomass towards added value chemicals on Ni/TiO2 catalysts. Journal of Supercritical Fluids, 2020, 163, 104827. | 3.2 | 15 |
| 11 | Understanding the influence of the composition of the Ag Pd catalysts on the selective formic acid decomposition and subsequent levulinic acid hydrogenation. International Journal of Hydrogen Energy, 2020, 45, 17339-17353. | 7.1 | 29 |
| 12 | Light-driven synthesis of sub-nanometric metallic Ru catalysts on TiO2. Catalysis Today, 2019, 326, 8-14. | 4.4 | 13 |
| 13 | Enhanced Production of Î³â€Valerolactone with an Internal Source of Hydrogen on Caâ€Modified TiO 2 Supported Ru Catalysts. ChemSusChem, 2019, 12, 553. | 6.8 | 0 |
| 14 | Synthesis of TiO2â€"ZrO2 Mixed Oxides via the Alginate Route: Application in the Ru Catalytic Hydrogenation of Levulinic Acid to Gamma-Valerolactone. Energies, 2019, 12, 4706. | 3.1 | 12 |
| 15 | Surface characterization of Miscanthus Ã— giganteus and Willow subjected to torrefaction. Journal of Analytical and Applied Pyrolysis, 2019, 138, 231-241. | 5.5 | 22 |
| 16 | Enhanced Production of Î³â€Valerolactone with an Internal Source of Hydrogen on Caâ€Modified TiO<sub>2</sub> Supported Ru Catalysts. ChemSusChem, 2019, 12, 639-650. | 6.8 | 35 |
| 17 | Photoactive ZnO Materials for Solar Light-Induced CuxO-ZnO Catalyst Preparation. Materials, 2018, 11, 2260. | 2.9 | 15 |
| 18 | Solar Light Induced Photon-Assisted Synthesis of TiO2 Supported Highly Dispersed Ru Nanoparticle Catalysts. Materials, 2018, 11, 2329. | 2.9 | 12 |

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|---|---|---|---|
| 19 | Impact of the modification method of Ni/$ZrO_2$ catalyst by alkali and alkaline earth metals on its activity in thermo-chemical conversion of cellulose. International Journal of Hydrogen Energy, 2018, 43, 22303-22314. | 7.1 | 13 |
| 20 | Chlorine Influence on Palladium Doped Nickel Catalysts in Levulinic Acid Hydrogenation with Formic Acid as Hydrogen Source. ACS Sustainable Chemistry and Engineering, 2018, 6, 14607-14613. | 6.7 | 19 |
| 21 | Supported goldâ€“nickel nano-alloy as a highly efficient catalyst in levulinic acid hydrogenation with formic acid as an internal hydrogen source. Catalysis Science and Technology, 2018, 8, 4318-4331. | 4.1 | 51 |
| 22 | Hydrogen production from biomass woodchips using Ni/CaOâ€“$ZrO_2$ catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2017, 121, 97-107. | 1.7 | 14 |
| 23 | Application of 1H and 27Al magic angle spinning solid state NMR at 60 kHz for studies of Au and Au-Ni catalysts supported on boehmite/alumina. Solid State Nuclear Magnetic Resonance, 2017, 84, 111-117. | 2.3 | 15 |
| 24 | Wide band gap $Ga_2O_3$ as efficient UV-C photocatalyst for gas-phase degradation applications. Environmental Science and Pollution Research, 2017, 24, 26792-26805. | 5.3 | 20 |
| 25 | Impact of Zr Incorporation into the Ni/AlSBA-15 Catalyst on Its Activity in Cellulose Conversion to Hydrogen-Rich Gas. Energy & Fuels, 2017, 31, 14089-14096. | 5.1 | 10 |
| 26 | Formation of hydrogen-rich gas via conversion of lignocellulosic biomass and its decomposition products. , 2017, , 345-371. | | 0 |
| 27 | Development of Heterogeneous Catalysts for Thermo-Chemical Conversion of Lignocellulosic Biomass. Energies, 2017, 10, 545. | 3.1 | 41 |
| 28 | Effect of alkali and alkaline earth metals addition on Ni/$ZrO_2$ catalyst activity in cellulose conversion. Journal of Thermal Analysis and Calorimetry, 2016, 126, 103-110. | 3.6 | 22 |
| 29 | Influence of $ZrO_2$ on catalytic performance of Ru catalyst in hydrolytic hydrogenation of cellulose towards Î³-valerolactone. International Journal of Hydrogen Energy, 2016, 41, 8688-8695. | 7.1 | 31 |
| 30 | Mesoporous silicas as supports for Ni catalyst used in cellulose conversion to hydrogen rich gas. International Journal of Hydrogen Energy, 2016, 41, 8656-8667. | 7.1 | 29 |
| 31 | Activity and characterization of Ni catalyst supported on $CeO_2$â€“$ZrO_2$ for thermo-chemical conversion of cellulose. International Journal of Hydrogen Energy, 2016, 41, 8679-8687. | 7.1 | 24 |
| 32 | Ru catalysts for levulinic acid hydrogenation with formic acid as a hydrogen source. Green Chemistry, 2016, 18, 2014-2028. | 9.0 | 126 |
| 33 | Titania-Supported Catalysts for Levulinic Acid Hydrogenation: Influence of Support and its Impact on Î³-Valerolactone Yield. ChemSusChem, 2015, 8, 1497-1497. | 6.8 | 0 |
| 34 | Titaniaâ€Supported Catalysts for Levulinic Acid Hydrogenation: Influence of Support and its Impact on Î³â€Valerolactone Yield. ChemSusChem, 2015, 8, 1538-1547. | 6.8 | 85 |
| 35 | Influence of Ni catalyst support on the product distribution of cellulose fast pyrolysis vapors upgrading. Journal of Analytical and Applied Pyrolysis, 2015, 113, 557-563. | 5.5 | 34 |
| 36 | Catalytic performance of a Ni catalyst supported on $CeO_2$, $ZrO_2$ and $CeO_2$â€“$ZrO_2$ in the upgrading of cellulose fast pyrolysis vapors. Comptes Rendus Chimie, 2015, 18, 1223-1228. | 0.5 | 17 |

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|---|---|---|---|
| 37 | Surface characterization of lignocellulosic biomass submitted to pyrolysis. Surface and Interface Analysis, 2014, 46, 837-841. | 1.8 | 5 |
| 38 | Optimization of Ni/ZrO2 catalytic performance in thermochemical cellulose conversion for enhanced hydrogen production. Applied Catalysis B: Environmental, 2014, 145, 85-90. | 20.2 | 56 |
| 39 | Investigation of biomass depolymerization by surface techniques. Surface and Interface Analysis, 2014, 46, 832-836. | 1.8 | 4 |
| 40 | Role of water in metal catalyst performance for ketone hydrogenation: a joint experimental and theoretical study on levulinic acid conversion into gamma-valerolactone. Chemical Communications, 2014, 50, 12450-12453. | 4.1 | 168 |
| 41 | ToFâ€SIMS study of the surface of catalysts used in biomass valorization. Surface and Interface Analysis, 2014, 46, 726-730. | 1.8 | 10 |
| 42 | Time-of-flight secondary ion mass spectrometry as a novel method for surface characterization of carbonaceous material formed during thermochemical conversion of cellulose. International Journal of Mass Spectrometry, 2013, 336, 43-46. | 1.5 | 5 |
| 43 | Activity of Ni catalysts for hydrogen production via biomass pyrolysis. Kinetics and Catalysis, 2012, 53, 565-569. | 1.0 | 33 |
| 44 | Titelbild: Hydrogenolyse goes Bio: Von Kohlenhydraten und Zuckeralkoholen zu Plattformchemikalien (Angew. Chem. 11/2012). Angewandte Chemie, 2012, 124, 2563-2563. | 2.0 | 0 |
| 45 | Hydrogenolysis Goes Bio: From Carbohydrates and Sugar Alcohols to Platform Chemicals. Angewandte Chemie - International Edition, 2012, 51, 2564-2601. | 13.8 | 746 |
| 46 | Heteropoly acids as efficient acid catalysts in the one-step conversion of cellulose to sugar alcohols. Chemical Communications, 2011, 47, 576-578. | 4.1 | 219 |
| 47 | Hydrogenolysis of cellulose combining mineral acids and hydrogenation catalysts. Green Chemistry, 2010, 12, 972. | 9.0 | 232 |
| 48 | Synthesis of long alkyl chain ethers through direct etherification of biomass-based alcohols with 1-octene over heterogeneous acid catalysts. Journal of Catalysis, 2009, 268, 251-259. | 6.2 | 48 |
| 49 | Theoretical Study on the Role of Surface Basicity and Lewis Acidity on the Etherification of Glycerol over Alkaline Earth Metal Oxides. Chemistry - A European Journal, 2009, 15, 10864-10870. | 3.3 | 62 |
| 50 | Glycerol Etherification over Highly Active CaOâ€Based Materials: New Mechanistic Aspects and Related Colloidal Particle Formation. Chemistry - A European Journal, 2008, 14, 2016-2024. | 3.3 | 161 |
| 51 | Pt/ZrO2/TiO2 catalysts for selective hydrogenation of crotonaldehyde: Tuning the SMSI effect for optimum performance. Applied Catalysis A: General, 2007, 320, 80-90. | 4.3 | 63 |