Carine Edith Chan-Thaw

List of Publications by Year
in descending order

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41 papers	2,286 citations	279798 23 h-index	265206 42 g-index
45 all docs	45 docs citations	45 times ranked	3427 citing authors

#	Article	IF	Citations
1	Covalent Triazine Framework as Catalytic Support for Liquid Phase Reaction. Nano Letters, 2010, 10, 537-541.	9.1	363
2	Glycerol Oxidation Using Gold-Containing Catalysts. Accounts of Chemical Research, 2015, 48, 1403-1412.	15.6	265
3	Untangling the Role of the Capping Agent in Nanocatalysis: Recent Advances and Perspectives. Catalysts, 2016, 6, 185.	3.5	175
4	Characterisation of gold catalysts. Chemical Society Reviews, 2016, 45, 4953-4994.	38.1	140
5	Tandem Site- and Size-Controlled Pd Nanoparticles for the Directed Hydrogenation of Furfural. ACS Catalysis, 2017, 7, 2266-2274.	11.2	113
6	Triazineâ€Based Polymers as Nanostructured Supports for the Liquidâ€Phase Oxidation of Alcohols. Chemistry - A European Journal, 2011, 17, 1052-1057.	3.3	106
7	New generation biofuels: Î³-valerolactone into valeric esters in one pot. RSC Advances, 2013, 3, 1302-1306.	3.6	92
8	Gold catalyzed liquid phase oxidation of alcohol: the issue of selectivity. Faraday Discussions, 2011, 152, 353.	3.2	84
9	Benzyl Alcohol Oxidation on Carbonâ€Supported Pd Nanoparticles: Elucidating the Reaction Mechanism. ChemCatChem, 2014, 6, 3464-3473.	3.7	82
10	Understanding Heteroatom-Mediated Metalâ€“Support Interactions in Functionalized Carbons: A Perspective Review. Applied Sciences (Switzerland), 2018, 8, 1159.	2.5	60
11	Acidâ€Functionalized Mesoporous Carbon: An Efficient Support for Rutheniumâ€Catalyzed Î³â€Valerolactone Production. ChemSusChem, 2015, 8, 2520-2528.	6.8	58
12	Au on Nanosized NiO: A Cooperative Effect between Au and Nanosized NiO in the Baseâ€Free Alcohol Oxidation. ChemCatChem, 2011, 3, 1612-1618.	3.7	57
13	Influence of Periodic Nitrogen Functionality on the Selective Oxidation of Alcohols. Chemistry - an Asian Journal, 2012, 7, 387-393.	3.3	57
14	Dual-Site-Mediated Hydrogenation Catalysis on Pd/NiO: Selective Biomass Transformation and Maintenance of Catalytic Activity at Low Pd Loading. ACS Catalysis, 2020, 10, 5483-5492.	11.2	52
15	Selective Benzyl Alcohol Oxidation over Pd Catalysts. Catalysts, 2018, 8, 431.	3.5	50
16	Tailoring Gold Nanoparticle Characteristics and the Impact on Aqueous-Phase Oxidation of Glycerol. ACS Catalysis, 2015, 5, 4377-4384.	11.2	45
17	Au NPs on anionic-exchange resin as catalyst for polyols oxidation in batch and fixed bed reactor. Applied Catalysis B: Environmental, 2010, 96, 541-547.	20.2	42
18	Bismuth modified Au-Pt bimetallic catalysts for dihydroxyacetone production. Catalysis Today, 2015, 249, 103-108.	4.4	39

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19	Microkinetic Modeling of Benzyl Alcohol Oxidation on Carbonâ€Supported Palladium Nanoparticles. ChemCatChem, 2016, 8, 2482-2491.	3.7	39
20	Effect of the preparation method of supported Au nanoparticles in the liquid phase oxidation of glycerol. Applied Catalysis A: General, 2016, 514, 267-275.	4.3	37
21	Molecular Origin of the Selectivity Differences between Palladium and Goldâ€“Palladium in Benzyl Alcohol Oxidation: Different Oxygen Adsorption Properties. ChemCatChem, 2017, 9, 253-257.	3.7	33
22	PdH_x Entrapped in a Covalent Triazine Framework Modulates Selectivity in Glycerol Oxidation. ChemCatChem, 2015, 7, 2149-2154.	3.7	30
23	Selective Oxidation of Raw Glycerol Using Supported AuPd Nanoparticles. Catalysts, 2015, 5, 131-144.	3.5	28
24	Metal nanoparticles on carbon based supports: The effect of the protective agent removal. Catalysis Today, 2016, 278, 91-96.	4.4	24
25	Operando Attenuated Total Reflectance FTIR Spectroscopy: Studies on the Different Selectivity Observed in Benzyl Alcohol Oxidation. ChemCatChem, 2015, 7, 2534-2541.	3.7	23
26	Identifying the Role of Nâ€Heteroatom Location in the Activity of Metal Catalysts for Alcohol Oxidation. ChemCatChem, 2015, 7, 1338-1346.	3.7	22
27	AuRu/AC as an effective catalyst for hydrogenation reactions. Physical Chemistry Chemical Physics, 2015, 17, 28171-28176.	2.8	20
28	The confinement effect on the activity of Au NPs in polyol oxidation. Catalysis Science and Technology, 2016, 6, 598-601.	4.1	20
29	Redox Properties of Manganese-Containing Zirconia Solid Solution Catalysts Analyzed by In Situ UVâ€“Vis Spectroscopy and Crystal Field Theory. Journal of Physical Chemistry A, 2011, 115, 8100-8112.	2.5	19
30	Impact of Support Oxide Acidity in Pt-Catalyzed HMF Hydrogenation in Alcoholic Medium. Catalysis Letters, 2017, 147, 345-359.	2.6	18
31	Metal Carbides for Biomass Valorization. Applied Sciences (Switzerland), 2018, 8, 259.	2.5	15
32	AuPt Alloy on TiO₂: A Selective and Durable Catalyst for <scp>l</scp>â€Sorbose Oxidation to 2â€Ketoâ€Gulonic Acid. ChemSusChem, 2015, 8, 4189-4194.	6.8	14
33	Spectroscopic Investigation of Titaniaâ€Supported Gold Nanoparticles Prepared by a Modified Deposition/Precipitation Method for the Oxidation of CO. ChemCatChem, 2016, 8, 2136-2145.	3.7	11
34	Nâ€Modified Carbonâ€Based Materials: Nanoscience for Catalysis. Chemical Record, 2016, 16, 2187-2197.	5.8	10
35	Metal-Support Cooperative Effects in Au/VPO for the Aerobic Oxidation of Benzyl Alcohol to Benzyl Benzoate. Nanomaterials, 2019, 9, 299.	4.1	10
36	A Bifunctional Copper Catalyst for the One Pot-One Step EsterificationÂ+ÂHydrogenation of Tall Oil Fatty Acids. Topics in Catalysis, 2012, 55, 631-636.	2.8	9

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37	Au-Based Catalysts: Electrochemical Characterization for Structural Insights. Molecules, 2016, 21, 261.	3.8	8
38	Tailored N-Containing Carbons as Catalyst Supports in Alcohol Oxidation. Materials, 2016, 9, 114.	2.9	6
39	DFT-Assisted Spectroscopic Studies on the Coordination of Small Ligands to Palladium: From Isolated Ions to Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 4781-4790.	3.1	4
40	Enhanced Activity of Au/NiO Nanohybrids for the Reductive Amination of Benzyl Alcohol. Materials, 2017, 10, 1435.	2.9	3
41	Valorisation of Glycerol to Fine Chemicals and Fuels. Advances in Chemical and Materials Engineering Book Series, 2016, , 352-384.	0.3	1