

CO Oxidation as a Prototypical Reaction for Heterogeneous

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Citation Report

#	ARTICLE	IF	CITATIONS
1	One-pot solvothermal synthesis of mixed Cu-Ce-Ox nanocatalysts and their catalytic activity for low temperature CO oxidation. <i>Applied Catalysis A: General</i> , 2012, 447-448, 60-66.	2.2	52
2	Aerobic Oxidation of Carbon Monoxide in a Tetrametallic Complex. <i>Chemistry - A European Journal</i> , 2012, 18, 15250-15253.	1.7	7
3	Effects of Ligands, Cluster Size, and Charge State in Gas-Phase Catalysis: A Happy Marriage of Experimental and Computational Studies. <i>Catalysis Letters</i> , 2012, 142, 1265-1278.	1.4	130
4	Model oxide-supported metal catalysts – comparison of ultrahigh vacuum and solution based preparation of Pd nanoparticles on a single-crystalline oxide substrate. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11525.	1.3	43
5	Synthesis of Pd/Fe ₃ O ₄ Hybrid Nanocatalysts with Controllable Interface and Enhanced Catalytic Activities for CO Oxidation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12969-12976.	1.5	70
6	Structure of the Rh ₂ O ₃ (0001) surface. <i>Surface Science</i> , 2012, 606, 1416-1421.	0.8	34
7	Probing the Mechanism of Low-Temperature CO Oxidation on Au/ZnO Catalysts by Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11181-11188.	1.5	31
8	Periodic Trends in Adsorption and Activation Energies for Heterometallic Diffusion on (100) Transition Metal Surfaces. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22469-22475.	1.5	8
10	Architecture of Pt _{1-x} Co Bimetallic Catalysts for Catalytic CO Oxidation. <i>ChemCatChem</i> , 2012, 4, 1645-1652.	1.8	54
11	Composite Metal–Oxide Nanocatalysts. <i>ChemCatChem</i> , 2012, 4, 1462-1484.	1.8	65
12	In situ-generated metal oxide catalyst during CO oxidation reaction transformed from redox-active metal-organic framework-supported palladium nanoparticles. <i>Nanoscale Research Letters</i> , 2012, 7, 461.	3.1	21
13	Facile synthesis of core–shell Au@CeO ₂ nanocomposites with remarkably enhanced catalytic activity for CO oxidation. <i>Energy and Environmental Science</i> , 2012, 5, 8937.	15.6	258
14	DNA Base–Gold Nanocluster Complex as a Potential Catalyzing Agent: An Attractive Route for CO Oxidation Process. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17063-17069.	1.5	20
15	Gas phase metal cluster model systems for heterogeneous catalysis. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9255.	1.3	327
16	August Wilhelm von Hofmann Medal: M. Quack and S. Shaik / Van't Hoff Prize: G. Meijer and F. Merkt / Janssen Pharmaceutica Prize: I. Marek. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8150-8150.	7.2	0
17	Low-Temperature CO Oxidation over Cu-Based Metal–Organic Frameworks Monitored by using FTIR Spectroscopy. <i>ChemCatChem</i> , 2012, 4, 755-759.	1.8	38
18	Strong Metal–Support Interactions between Gold Nanoparticles and ZnO Nanorods in CO Oxidation. <i>Journal of the American Chemical Society</i> , 2012, 134, 10251-10258.	6.6	518
19	Exploring Computational Design of Size-Specific Subnanometer Clusters Catalysts. <i>Topics in Catalysis</i> , 2012, 55, 353-365.	1.3	30

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20	Si-embedded graphene: an efficient and metal-free catalyst for CO oxidation by N ₂ O or O ₂ . Theoretical Chemistry Accounts, 2012, 131, 1.	0.5	85
21	Mechanistic study of preferential CO oxidation on a Pt/NaY zeolite catalyst. Journal of Catalysis, 2012, 287, 114-123.	3.1	55
23	Carbon monoxide hydrogenation in the mode of Ru/Al ₂ O ₃ catalyst surface ignition. Kinetics and Catalysis, 2013, 54, 225-232.	0.3	2
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32	Control of Metal Nanocrystal Size Reveals Metal-Support Interface Role for Ceria Catalysts. Science, 2013, 341, 771-773.	6.0	1,142
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40	Quantitative Analysis of the Coverage Density of Br ⁺ Ions on Pd{100} Facets and Its Role in Controlling the Shape of Pd Nanocrystals. Journal of the American Chemical Society, 2013, 135, 3780-3783.	6.6	156

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41	CO oxidation over ZnO films on Pt(111) at near-atmospheric pressures. <i>Journal of Catalysis</i> , 2013, 301, 227-232.	3.1	53
42	Reactivity of Atomic Oxygen Radical Anions Bound to Titania and Zirconia Nanoparticles in the Gas Phase: Low-Temperature Oxidation of Carbon Monoxide. <i>Journal of the American Chemical Society</i> , 2013, 135, 2991-2998.	6.6	73
43	Multifunctionality of Crystalline MoV(TeNb) M1 Oxide Catalysts in Selective Oxidation of Propane and Benzyl Alcohol. <i>ACS Catalysis</i> , 2013, 3, 1103-1113.	5.5	50
45	Surface and interface control of noble metal nanocrystals for catalytic and electrocatalytic applications. <i>Nano Today</i> , 2013, 8, 168-197.	6.2	431
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52	Vibrational spectroscopic studies on pure and metal-covered metal oxide surfaces. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 1204-1221.	0.7	19
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55	A high pressure x-ray photoelectron spectroscopy study of CO oxidation over Rh(100). <i>Journal of Physics Condensed Matter</i> , 2014, 26, 055003.	0.7	9
56	The Mechanism of Hydrocarbon Oxygenate Reforming: C-C Bond Scission, Carbon Formation, and Noble-Metal-Free Oxide Catalysts. <i>ChemSusChem</i> , 2014, 7, 77-81.	3.6	11
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83	Stabilization of Palladium Nanoparticles on Nanodiamond-Graphene Core-Shell Supports for CO Oxidation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15823-15826.	7.2	74
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