Tatyana T Tabakova

List of Publications by Year
in descending order

95	5,116	87888	85541
papers	citations	38 h-index	71 g-index

96	96	96	4034
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exploring the role of promoters (Au, Cu and Re) in the performance of Niâ€“Al layered double hydroxides for water-gas shift reaction. International Journal of Hydrogen Energy, 2023, 48, 11998-12014.	7.1	7
2	Effect of support preparation method on water-gas shift activity of copper-based catalysts. International Journal of Hydrogen Energy, 2022, 47, 41268-41278.	7.1	3
3	Gold-Based Catalysts for Complete Formaldehyde Oxidation: Insights into the Role of Support Composition. Catalysts, 2022, 12, 705.	3.5	2
4	Hydrogen production via water-gas shift reaction over gold supported on Ni-based layered double hydroxides. International Journal of Hydrogen Energy, 2021, 46, 458-473.	7.1	14
5	Improved Waterâ€“Gas Shift Performance of Au/NiAl LDHs Nanostructured Catalysts via CeO2 Addition. Nanomaterials, 2021, 11, 366.	4.1	9
6	Mechanochemically Prepared Co3O4-CeO2 Catalysts for Complete Benzene Oxidation. Catalysts, 2021, 11, 1316.	3.5	14
7	Impact of ceria loading on the preferential CO oxidation over gold catalysts on CeO2/Al2O3 and Y-doped CeO2/Al2O3 supports prepared by mechanical mixing. Catalysis Today, 2020, 357, 547-555.	4.4	8
8	Unraveling the effect of alumina-supported Y- doped ceria composition and method of preparation on the WGS activity of gold catalysts. International Journal of Hydrogen Energy, 2020, 45, 26238-26253.	7.1	5
9	Complete Benzene Oxidation over Mono and Bimetallic Pdâ€”Au Catalysts on Alumina-Supported Y-Doped Ceria. Applied Sciences (Switzerland), 2020, 10, 1088.	2.5	4
10	Recent Advances in Design of Gold-Based Catalysts for H2 Clean-Up Reactions. Frontiers in Chemistry, 2019, 7, 517.	3.6	27
11	Waterâ€“gas shift reaction over gold deposited on NiAl layered double hydroxides. Reaction Kinetics, Mechanisms and Catalysis, 2019, 127, 187-203.	1.7	7
12	Structure-activity relationship in water-gas shift reaction over gold catalysts supported on Y-doped ceria. Journal of Rare Earths, 2019, 37, 383-392.	4.8	22
13	Alumina supported Au/Y-doped ceria catalysts for pure hydrogen production via PROX. International Journal of Hydrogen Energy, 2019, 44, 233-245.	7.1	27
14	Multicomponent Au/Cu-ZnO-Al2O3 catalysts: Robust materials for clean hydrogen production. Applied Catalysis A: General, 2018, 558, 91-98.	4.3	15
15	Temperature-programmed reduction of lightly yttrium-doped Au/CeO2 catalysts. Journal of Thermal Analysis and Calorimetry, 2018, 131, 145-154.	3.6	15
16	Structure and reducibility of yttrium-doped cerium dioxide nanoparticles and (111) surface. RSC Advances, 2018, 8, 33728-33741.	3.6	5
17	Promotional Effect of Gold on the WGS Activity of Alumina-Supported Copper-Manganese Mixed Oxides. Catalysts, 2018, 8, 563.	3.5	12
18	Effect of Y Modified Ceria Support in Mono and Bimetallic Pdâ€“Au Catalysts for Complete Benzene Oxidation. Catalysts, 2018, 8, 283.	3.5	14

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19	A comparative study of hydrogen photocatalytic production from glycerol and propan-2-ol on M/TiO 2 systems (M=Au, Pt, Pd). Catalysis Today, 2017, 280, 58-64.	4.4	71
20	Photocatalytic abatement of trichlorethylene over Au and Pdâ€“Au supported on TiO2 by combined photomineralization/hydrodechlorination reactions under simulated solar irradiation. Journal of Catalysis, 2017, 346, 101-108.	6.2	16
21	Structureâ€“reactivity relationship in Co₃O₄ promoted Au/CeO₂ catalysts for the CH₃OH oxidation reaction revealed by in situ FTIR and operando EXAFS studies. Journal of Materials Chemistry A, 2017, 5, 2083-2094.	10.3	23
22	Influence of gold presence and thermal treatment on recrystallization of copper-manganese ferrite catalysts. Hyperfine Interactions, 2017, 238, 1.	0.5	1
23	CO and VOCs Catalytic Oxidation Over Alumina Supported Cuâ€“Mn Catalysts: Effect of Au or Ag Deposition. Topics in Catalysis, 2017, 60, 110-122.	2.8	19
24	Gold Catalysts on Y-Doped Ceria Supports for Complete Benzene Oxidation. Catalysts, 2016, 6, 99.	3.5	11
25	Nanogold mesoporous iron promoted ceria catalysts for total and preferential CO oxidation reactions. Journal of Molecular Catalysis A, 2016, 414, 62-71.	4.8	13
26	Gold catalysts supported on Y-modified ceria for CO-free hydrogen production via PROX. Applied Catalysis B: Environmental, 2016, 188, 154-168.	20.2	47
27	NO reduction by CO over gold catalysts supported on Fe-loaded ceria. Applied Catalysis B: Environmental, 2015, 174-175, 176-184.	20.2	43
28	Nanosized gold catalysts on Pr-modified ceria for pure hydrogen production via WGS reaction. Materials Chemistry and Physics, 2015, 157, 138-146.	4.0	6
29	Catalytic abatement of CO and volatile organic compounds in waste gases by gold catalysts supported on ceria-modified mesoporous titania and zirconia. Chinese Journal of Catalysis, 2015, 36, 579-587.	14.0	15
30	Complete benzene oxidation over mono and bimetallic Auâ€“Pd catalysts supported on Fe-modified ceria. Chemical Engineering Journal, 2015, 260, 133-141.	12.7	47
31	Total oxidation of toluene over noble metal based Ce, Fe and Ni doped titanium oxides. Applied Catalysis B: Environmental, 2014, 146, 138-146.	20.2	69
32	Pure hydrogen production via PROX over gold catalysts supported on Pr-modified ceria. Fuel, 2014, 134, 628-635.	6.4	5
33	Viability of Au/CeO₂â€“ZnO/Al₂O₃ Catalysts for Pure Hydrogen Production by the Waterâ€“Gas Shift Reaction. ChemCatChem, 2014, 6, 1401-1409.	3.7	21
34	Effect of ceria structural properties on the catalytic activity of Auâ€“CeO2 catalysts for WGS reaction. Physical Chemistry Chemical Physics, 2013, 15, 13400.	2.8	16
35	CERIA-BASED GOLD CATALYSTS: SYNTHESIS, PROPERTIES, AND CATALYTIC PERFORMANCE FOR THE WGS AND PROX PROCESSES. Catalytic Science Series, 2013, , 497-564.	0.0	5
36	Highly active copper catalyst for low-temperature water-gas shift reaction prepared via a Cu-Mn spinel oxide precursor. Applied Catalysis A: General, 2013, 451, 184-191.	4.3	50

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37	Impact of Ceâ€“Fe synergism on the catalytic behaviour of Au/CeO₂â€“FeO_x/Al₂O₃for pure H₂production. Catalysis Science and Technology, 2013, 3, 779-787.	4.1	38
38	Influence of the preparation method and dopants nature on the WGS activity of gold catalysts supported on doped by transition metals ceria. Applied Catalysis B: Environmental, 2013, 136-137, 70-80.	20.2	45
39	Impact of metal doping on the activity of Au/CeO2 catalysts for catalytic abatement of VOCs and CO in waste gases. Catalysis Communications, 2013, 35, 51-58.	3.3	19
40	Gold catalysts on Co-doped ceria for complete benzene oxidation: Relationship between reducibility and catalytic activity. Catalysis Communications, 2013, 36, 84-88.	3.3	15
41	Nano-gold catalysts on Fe-modified ceria for pure hydrogen production via WGS and PROX: Effect of preparation method and Fe-doping on the structural and catalytic properties. Applied Catalysis A: General, 2013, 467, 76-90.	4.3	24
42	Au/CeO2 Catalysts for Catalytic Abatement of CO, CH3OH and (CH3)2O: Effect of Preparation Method. , 2012, , .		0
43	Gold catalysts for low temperature water-gas shift reaction: Effect of ZrO2 addition to CeO2 support. Applied Catalysis B: Environmental, 2012, 125, 507-515.	20.2	38
44	Relationship between structural properties and activity in complete benzene oxidation over Au/CeO2â€“CoOx catalysts. Catalysis Today, 2012, 187, 30-38.	4.4	16
45	Effect of the preparation method on the reduction behavior of gold catalysts supported on ceria doped with FeOx: assignment and kinetic parameters of the individual reduction processes. Reaction Kinetics, Mechanisms and Catalysis, 2012, 105, 39-52.	1.7	5
46	Gold catalysts on ceria doped with MeOx (MeÂ=ÂFe, Mn, Co and Sn) for complete benzene oxidation: effect of composition and structure of the mixed supports. Reaction Kinetics, Mechanisms and Catalysis, 2012, 105, 23-37.	1.7	7
47	Gold catalysts supported on ceria-modified mesoporous zirconia for low-temperature waterâ€“gas shift reaction. Journal of Porous Materials, 2012, 19, 15-20.	2.6	15
48	Surface and Inner Defects in Au/CeO₂ WGS Catalysts: Relation between Raman Properties, Reactivity and Morphology. Chemistry - A European Journal, 2011, 17, 4356-4361.	3.3	54
49	CO-free hydrogen production over Au/CeO2â€“Fe2O3 catalysts: Part 1. Impact of the support composition on the performance for the preferential CO oxidation reaction. Applied Catalysis B: Environmental, 2011, 101, 256-265.	20.2	88
50	CO-free hydrogen production over Au/CeO2â€“Fe2O3 catalysts: Part 2. Impact of the support composition on the performance in the water-gas shift reaction. Applied Catalysis B: Environmental, 2011, 101, 266-274.	20.2	51
51	Titanium oxide nanotubes as supports of Au or Pd nano-sized catalysts for total oxidation of VOCs. Studies in Surface Science and Catalysis, 2010, 175, 743-746.	1.5	8
52	CO-Free Hydrogen Production for Fuel Cell Applications over Au/CeO₂ Catalysts: FTIR Insight into the Role of Dopant. Journal of Physical Chemistry A, 2010, 114, 3909-3915.	2.5	40
53	Gold nanoparticles supported on ceria-modified mesoporousâ€“macroporous binary metal oxides as highly active catalysts for low-temperature waterâ€“gas shift reaction. Journal of Materials Science, 2009, 44, 6637-6643.	3.7	22
54	Total oxidation of volatile organic compounds on Au/Ceâ€“Tiâ€“O and Au/Ceâ€“Tiâ€“Zrâ€“O mesoporous catalysts. Journal of Materials Science, 2009, 44, 6654-6662.	3.7	29

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55	Mesoporous and nanostructured CeO2 as supports of nano-sized gold catalysts for low-temperature water-gas shift reaction. Catalysis Today, 2008, 131, 203-210.	4.4	86
56	Preferential CO oxidation in H2-rich gas mixtures over Au/doped ceria catalysts. Catalysis Today, 2008, 138, 239-243.	4.4	65
57	Catalytic performance and characterization of Au/doped-ceria catalysts for the preferential CO oxidation reaction. Journal of Catalysis, 2008, 256, 237-247.	6.2	145
58	Effect of additives on the WGS activity of combustion synthesized CuO/CeO2 catalysts. Catalysis Communications, 2007, 8, 101-106.	3.3	81
59	Nanosized gold catalysts supported on ceria and ceria-alumina for WGS reaction: Influence of the preparation method. Applied Catalysis A: General, 2007, 333, 153-160.	4.3	41
60	New gold catalysts supported on mixed ceria-titania oxides for water-gas shift and preferential CO oxidation reactions. Reaction Kinetics and Catalysis Letters, 2007, 91, 213-221.	0.6	18
61	Gold nanoparticles supported on ceria-modified mesoporous titania as highly active catalysts for low-temperature water-gas shift reaction. Catalysis Today, 2007, 128, 223-229.	4.4	52
62	CO Adsorption on Gold Clusters Stabilized on Ceriaâ^'Titania Mixed Oxides:Â Comparison with Reference Catalysts. Journal of Physical Chemistry B, 2006, 110, 23329-23336.	2.6	18
63	Gold catalysts supported on mixed oxides for hydrogen production. Studies in Surface Science and Catalysis, 2006, , 1017-1024.	1.5	2
64	A comparative study of ceria-supported gold and copper oxide catalysts for preferential CO oxidation reaction. Chemical Engineering Journal, 2006, 124, 41-45.	12.7	102
65	A comparative study of nanosized IB/ceria catalysts for low-temperature water-gas shift reaction. Applied Catalysis A: General, 2006, 298, 127-143.	4.3	126
66	Quantitative determination of gold active sites by chemisorption and by infrared measurements of adsorbed CO. Journal of Catalysis, 2006, 237, 431-434.	6.2	88
67	Pure hydrogen production on a new goldâ€“thoria catalyst for fuel cell applications. Applied Catalysis B: Environmental, 2006, 63, 94-103.	20.2	58
68	Gold catalysts supported on mesoporous zirconia for low-temperature waterâ€“gas shift reaction. Applied Catalysis B: Environmental, 2006, 63, 178-186.	20.2	136
69	Characterization of nanosized gold, silver and copper catalysts supported on ceria. Studies in Surface Science and Catalysis, 2005, 155, 493-500.	1.5	4
70	Titanium oxide nanotubes as supports of nano-sized gold catalysts for low temperature water-gas shift reaction. Applied Catalysis A: General, 2005, 281, 149-155.	4.3	194
71	Effect of synthesis procedure on the low-temperature WGS activity of Au/ceria catalysts. Applied Catalysis B: Environmental, 2004, 49, 73-81.	20.2	121
72	Activity and deactivation of Au/TiO2 catalyst in CO oxidation. Journal of Molecular Catalysis A, 2004, 213, 235-240.	4.8	164

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73	Gold catalysts supported on mesoporous titania for low-temperature waterâ€“gas shift reaction. Applied Catalysis A: General, 2004, 270, 135-141.	4.3	132
74	Deactivation of nanosize gold supported on zirconia in CO oxidation. Catalysis Communications, 2004, 5, 537-542.	3.3	57
75	Title is missing!. Journal of Materials Science, 2003, 38, 1995-2000.	3.7	13
76	FTIR study of low-temperature water-gas shift reaction on gold/ceria catalyst. Applied Catalysis A: General, 2003, 252, 385-397.	4.3	239
77	Promoting effect of gold on the structure and activity of Co/kaolin catalyst for the 2,3-dihydrofuran synthesis. Catalysis Communications, 2002, 3, 341-347.	3.3	12
78	Low-temperature water-gas shift reaction over Au/CeO2 catalysts. Catalysis Today, 2002, 72, 51-57.	4.4	417
79	Gold, silver and copper catalysts supported on TiO2 for pure hydrogen production. Catalysis Today, 2002, 75, 169-175.	4.4	156
80	Spectroscopic Analysis of Auâ€“V-Based Catalysts and Their Activity in the Catalytic Removal of Diesel Soot Particulates. Journal of Catalysis, 2002, 209, 515-527.	6.2	40
81	Nanosize gold catalysts promoted by vanadium oxide supported on titania and zirconia for complete benzene oxidation. Applied Catalysis A: General, 2001, 209, 291-300.	4.3	93
82	Influence of the microscopic properties of the support on the catalytic activity of Au/ZnO, Au/ZrO2, Au/Fe2O3, Au/Fe2O3â€“ZnO, Au/Fe2O3â€“ZrO2 catalysts for the WGS reaction. Applied Catalysis A: General, 2000, 202, 91-97.	4.3	164
83	FTIR Study of the Low-Temperature Waterâ€“Gas Shift Reaction on Au/Fe2O3 and Au/TiO2 Catalysts. Journal of Catalysis, 1999, 188, 176-185.	6.2	419
84	Au/Î±-Fe2O3 catalyst for waterâ€“gas shift reaction prepared by depositionâ€“precipitation. Applied Catalysis A: General, 1998, 169, 9-14.	4.3	137
85	Effect of phosphorus concentration and method of preparation on the structure of the oxide form of phosphorus-nickel-tungsten/alumina hydrotreating catalysts. Applied Catalysis A: General, 1997, 161, 105-119.	4.3	64
86	Low-Temperature Waterâ€“Gas Shift Reaction over Au/Î±-Fe2O3. Journal of Catalysis, 1996, 158, 354-355.	6.2	222
87	Low-temperature water-gas shift reaction on AuÎ±-Fe2O3 catalyst. Applied Catalysis A: General, 1996, 134, 275-283.	4.3	183
88	Formation of highly active iron oxide catalysts. Journal of Materials Science, 1996, 31, 1101-1105.	3.7	7
89	Influence of iron (II) on the transformation of ferrihydrite into goethite in acid medium. Materials Chemistry and Physics, 1995, 41, 146-149.	4.0	20
90	Formation of goethite by oxidative hydrolysis of iron(II) sulphate. Journal of Materials Science: Materials in Electronics, 1994, 5, 168-172.	2.2	10

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91	Mechanism of the oxidative hydrolysis of iron(II) sulphate. Journal of Materials Science: Materials in Electronics, 1992, 3, 201-205.	2.2	14
92	Synthesis of ?-Fe2O3 via oxidative hydrolysis of iron(II) sulphate. Journal of Materials Science: Materials in Electronics, 1991, 2, 199-203.	2.2	8
93	Effect of Preparation Method on the Performance for PROX of Gold Catalysts on Alumina Supported Y-Doped Ceria. International Journal of Theoretical and Applied Nanotechnology, 0, , .	0.0	0
94	A Comparative Study of Nanosized Gold and Copper Catalysts on Y-doped Ceria for the Water-Gas Shift Reaction. , 0, , .		0
95	Pure Hydrogen Production via PROX over Gold Catalysts on Alumina Supported Y-Doped Ceria: Effect of Support Preparation. , 0, , .		0