

Svetlana Ivanova

List of Publications by Year in descending order

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108
papers

3,612
citations

109321

35
h-index

155660

55
g-index

111
all docs

111
docs citations

111
times ranked

4102
citing authors

#	ARTICLE	IF	CITATIONS
1	Editorial: Catalysis in Iberoamerica: Recent Trends. <i>Frontiers in Chemistry</i> , 2022, 10, 870084.	3.6	0
2	Pursuing efficient systems for glucose transformation to levulinic acid: Homogeneous vs. heterogeneous catalysts and the effect of their co-action. <i>Fuel</i> , 2022, 318, 123712.	6.4	10
3	Au and Pt Remain Unoxidized on a CeO ₂ -Based Catalyst during the Water-Gas Shift Reaction. <i>Journal of the American Chemical Society</i> , 2022, 144, 446-453.	13.7	31
4	Fructose dehydration reaction over functionalized nanographitic catalysts in MIBK/H ₂ O biphasic system. <i>Catalysis Today</i> , 2021, 366, 68-76.	4.4	13
5	Functionalized biochars as supports for Pd/C catalysts for efficient hydrogen production from formic acid. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119615.	20.2	68
6	Structure-sensitivity of formic acid dehydrogenation reaction over additive-free Pd NPs supported on activated carbon. <i>Chemical Engineering Journal</i> , 2021, 420, 127641.	12.7	35
7	Zr and Fe on Pt/CeO ₂ -MO _x / Al ₂ O ₃ catalysts for WGS reaction. <i>International Journal of Energy Research</i> , 2021, 45, 13978-13989.	4.5	4
8	Effect of the sulphonating agent on the catalytic behavior of activated carbons in the dehydration reaction of fructose in DMSO. <i>Applied Catalysis A: General</i> , 2021, 617, 118108.	4.3	11
9	Dehydration of glucose to 5-Hydroxymethylfurfural on bifunctional carbon catalysts. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119938.	20.2	55
10	How a small modification in the imidazolium-based SDA can determine the zeolite structure? MFI vs. TON. <i>Microporous and Mesoporous Materials</i> , 2021, 322, 111160.	4.4	1
11	Bimetallic Ni-Ru and Ni-Re Catalysts for Dry Reforming of Methane: Understanding the Synergies of the Selected Promoters. <i>Frontiers in Chemistry</i> , 2021, 9, 694976.	3.6	26
12	Mesoporous Carbon Production by Nanocasting Technique Using Boehmite as a Template. <i>Catalysts</i> , 2021, 11, 1132.	3.5	3
13	Editorial: Women in Science: Chemistry. <i>Frontiers in Chemistry</i> , 2021, 9, 772775.	3.6	1
14	Recent Advances in the Brønsted/Lewis Acid Catalyzed Conversion of Glucose to HMF and Lactic Acid: Pathways toward Bio-Based Plastics. <i>Catalysts</i> , 2021, 11, 1395.	3.5	21
15	In Situ DRIFTS-MS Methanol Adsorption Study onto Supported NiSn Nanoparticles: Mechanistic Implications in Methanol Steam Reforming. <i>Nanomaterials</i> , 2021, 11, 3234.	4.1	2
16	Monolithic stirrer reactor: The selective lactose oxidation in liquid phase over Au/Al ₂ O ₃ nanostructured catalysts. <i>Molecular Catalysis</i> , 2020, 481, 110219.	2.0	4
17	Effect of Gold Particles Size over Au/C Catalyst Selectivity in HMF Oxidation Reaction. <i>ChemCatChem</i> , 2020, 12, 1177-1183.	3.7	39
18	Recent advances in selective oxidation of biomass-derived platform chemicals over gold catalysts. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 21, 50-55.	5.9	14

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19	5-Hydroxymethyl-2-Furfural Oxidation Over Au/CexZr1-xO2 Catalysts. <i>Frontiers in Chemistry</i> , 2020, 8, 461.	3.6	8
20	Editorial: Special Issue Catalysis by Precious Metals, Past and Future. <i>Catalysts</i> , 2020, 10, 247.	3.5	0
21	Time-resolved operando DRIFTS-MS study of the moisture tolerance of small-pore SAPO-34 molecular sieves during CH4/CO2 separation. <i>Microporous and Mesoporous Materials</i> , 2020, 298, 110071.	4.4	3
22	Editorial: Catalysis by Gold for Gas & Liquid Phase Reactions: A Golden Future for Environmental Catalysis. <i>Frontiers in Chemistry</i> , 2020, 7, 891.	3.6	0
23	Catalytic Technologies for Clean Hydrogen Production. <i>RSC Energy and Environment Series</i> , 2020, , 116-149.	0.5	0
24	Carbon Supported Gold Nanoparticles for the Catalytic Reduction of 4-Nitrophenol. <i>Frontiers in Chemistry</i> , 2019, 7, 548.	3.6	30
25	Au/CeO2-ZnO/Al2O3 as Versatile Catalysts for Oxidation Reactions: Application in Gas/Liquid Environmental Processes. <i>Frontiers in Chemistry</i> , 2019, 7, 504.	3.6	6
26	The Success Story of Gold-Based Catalysts for Gas- and Liquid-Phase Reactions: A Brief Perspective and Beyond. <i>Frontiers in Chemistry</i> , 2019, 7, 691.	3.6	6
27	Montmorillonite-stabilized gold nanoparticles for nitrophenol reduction. <i>Comptes Rendus Chimie</i> , 2019, 22, 621-627.	0.5	10
28	Immobilization of Stabilized Gold Nanoparticles on Various Ceria-Based Oxides: Influence of the Protecting Agent on the Glucose Oxidation Reaction. <i>Catalysts</i> , 2019, 9, 125.	3.5	9
29	Powder and Nanotubes Titania Modified by Dye Sensitization as Photocatalysts for the Organic Pollutants Elimination. <i>Nanomaterials</i> , 2019, 9, 517.	4.1	13
30	Au/Al2O3 – Efficient catalyst for 5-hydroxymethylfurfural oxidation to 2,5-furandicarboxylic acid. <i>Catalysis Today</i> , 2019, 333, 169-175.	4.4	41
31	Multicomponent Au/Cu-ZnO-Al2O3 catalysts: Robust materials for clean hydrogen production. <i>Applied Catalysis A: General</i> , 2018, 558, 91-98.	4.3	15
32	Epimerization of glucose over ionic liquid/phosphomolybdate hybrids: structure–activity relationship. <i>Green Chemistry</i> , 2018, 20, 1042-1049.	9.0	10
33	Influence of gold particle size in Au/C catalysts for base-free oxidation of glucose. <i>Catalysis Today</i> , 2018, 306, 183-190.	4.4	46
34	Gold catalyst recycling study in base-free glucose oxidation reaction. <i>Catalysis Today</i> , 2018, 301, 72-77.	4.4	31
35	Tailoring structured WGS catalysts: Impact of multilayered concept on the water surface interactions. <i>Applied Catalysis B: Environmental</i> , 2018, 222, 124-132.	20.2	20
36	2. Synthesis and Identification Methods for Zeolites and MOFs. , 2018, , 25-52.		1

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37	Understanding the Role of the Acid Sites in 5-Hydroxymethylfurfural Oxidation to 2,5-Furandicarboxylic Acid Reaction over Gold Catalysts: Surface Investigation on Ce ₂ ZrO ₂ Compounds. ACS Catalysis, 2018, 8, 11154-11164.	11.2	55
38	Unravelling the Role of Oxygen Vacancies in the Mechanism of the Reverse Water-Gas Shift Reaction by Operando DRIFTS and Ultraviolet-Visible Spectroscopy. ACS Catalysis, 2018, 8, 7455-7467.	11.2	178
39	New concept for old reaction: Novel WGS catalyst design. Applied Catalysis B: Environmental, 2018, 238, 1-5.	20.2	34
40	Gold catalysts screening in base-free aerobic oxidation of glucose to gluconic acid. Catalysis Today, 2017, 279, 148-154.	4.4	48
41	Deep insight into Zr/Fe combination for successful Pt/CeO ₂ /Al ₂ O ₃ WGS catalyst doping. Catalysis Science and Technology, 2017, 7, 1556-1564.	4.1	30
42	Structuring Pt/CeO ₂ /Al ₂ O ₃ WGS catalyst: Introduction of buffer layer. Applied Catalysis B: Environmental, 2017, 200, 420-427.	20.2	31
43	Gold promoted Cu/ZnO/Al ₂ O ₃ catalysts prepared from hydrotalcite precursors: Advanced materials for the WGS reaction. Applied Catalysis B: Environmental, 2017, 201, 310-317.	20.2	61
44	Au/CeO ₂ Catalysts: Structure and CO Oxidation Activity. Catalysts, 2016, 6, 158.	3.5	58
45	Recycling of construction and demolition waste generated by building infrastructure for the production of glassy materials. Ceramics International, 2016, 42, 15217-15223.	4.8	33
46	WGS and CO-PrOx reactions using gold promoted copper-ceria catalysts: Bulk CuO/CeO ₂ vs. CuO/CeO ₂ /Al ₂ O ₃ with low mixed oxide content. Applied Catalysis B: Environmental, 2016, 197, 62-72.	20.2	53
47	Selectivity control in oxidation of 1-tetradecanol on supported nano Au catalysts. Catalysis Today, 2016, 278, 113-119.	4.4	1
48	Influence of the ionic liquid presence on the selective oxidation of glucose over molybdenum based catalysts. Catalysis Today, 2016, 278, 82-90.	4.4	7
49	The role of Au, Cu & CeO ₂ and their interactions for an enhanced WGS performance. Applied Catalysis B: Environmental, 2016, 187, 98-107.	20.2	49
50	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
51	O ₂ -assisted Water Gas Shift reaction over structured Au and Pt catalysts. Applied Catalysis B: Environmental, 2016, 185, 337-343.	20.2	34
52	Boosting the activity of a Au/CeO ₂ /Al ₂ O ₃ catalyst for the WGS reaction. Catalysis Today, 2015, 253, 149-154.	4.4	47
53	Ni-CeO ₂ /C Catalysts with Enhanced OSC for the WGS Reaction. Catalysts, 2015, 5, 298-309.	3.5	23
54	Ionic liquid immobilization on carbon nanofibers and zeolites: Catalyst design for the liquid-phase toluene chlorination. Comptes Rendus Chimie, 2015, 18, 324-329.	0.5	12

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55	Catalytic screening of Au/CeO ₂ -MO _x /Al ₂ O ₃ catalysts (M=La, Ni, Cu, Fe, Cr, Y) in the CO-PrOx reaction. International Journal of Hydrogen Energy, 2015, 40, 1782-1788.	7.1	28
56	Mono and bimetallic Cu-Ni structured catalysts for the water gas shift reaction. Applied Catalysis A: General, 2015, 497, 1-9.	4.3	55
57	H ₂ oxidation as criterion for PrOx catalyst selection: Examples based on Au-CoO-supported systems. Journal of Catalysis, 2015, 326, 161-171.	6.2	21
58	Oxidiperoxomolybdenum complex immobilized onto ionic liquid modified SBA-15 as an effective catalysis for sulfide oxidation to sulfoxides using hydrogen peroxide. Catalysis Today, 2015, 255, 102-108.	4.4	33
59	Synthesis and application of layered titanates in the photocatalytic degradation of phenol. Applied Catalysis B: Environmental, 2015, 163, 23-29.	20.2	23
60	Hybrid Organic-Inorganic Materials Based on Polyoxometalates and Ionic Liquids and Their Application in Catalysis. ISRN Chemical Engineering, 2014, 2014, 1-13.	1.2	20
61	Effect of gold on a NiLaO ₃ perovskite catalyst for methane steam reforming. Applied Catalysis B: Environmental, 2014, 144, 846-854.	20.2	25
62	Pt vs. Au in water-gas shift reaction. Journal of Catalysis, 2014, 314, 1-9.	6.2	103
63	Heterogeneous selective oxidation of fatty alcohols: Oxidation of 1-tetradecanol as a model substrate. Catalysis Today, 2014, 238, 49-53.	4.4	8
64	Understanding the Role of the Cosolvent in the Zeolite Template Function of Imidazolium-Based Ionic Liquid. Journal of Physical Chemistry B, 2014, 118, 3650-3660.	2.6	4
65	Viability of Au/CeO ₂ -ZnO/Al ₂ O ₃ Catalysts for Pure Hydrogen Production by the Water-Gas Shift Reaction. ChemCatChem, 2014, 6, 1401-1409.	3.7	21
66	Could an efficient WGS catalyst be useful in the CO-PrOx reaction?. Applied Catalysis B: Environmental, 2014, 150-151, 554-563.	20.2	28
67	Structured Catalysts for Volatile Organic Compound Removal. , 2013, , 233-256.		4
68	Multiple Zeolite Structures from One Ionic Liquid Template. Chemistry - A European Journal, 2013, 19, 2122-2130.	3.3	34
69	Steam reforming of methanol over supported Ni and Ni-Sn nanoparticles. International Journal of Hydrogen Energy, 2013, 38, 6646-6656.	7.1	39
70	Impact of Ce-Fe synergism on the catalytic behaviour of Au/CeO ₂ -FeO _x /Al ₂ O ₃ for pure H ₂ production. Catalysis Science and Technology, 2013, 3, 779-787.	4.1	38
71	Au/TiO ₂ supported on ferritic stainless steel monoliths as CO oxidation catalysts. Applied Surface Science, 2013, 270, 169-177.	6.1	29
72	In situ characterization of iron-promoted ceria-alumina gold catalysts during the water-gas shift reaction. Catalysis Today, 2013, 205, 41-48.	4.4	32

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73	Microprocess Technology for Hydrogen Purification. , 2013, , 225-243.		6
74	Low-temperature CO oxidation on multicomponent gold based catalysts. <i>Frontiers in Chemistry</i> , 2013, 1, 12.	3.6	21
75	Influence of the Lanthanide Oxides on the Catalytic Behavior of Au/Al ₂ O ₃ /CeO ₂ Catalysts for Total and Preferential CO Oxidation. <i>Advanced Chemistry Letters</i> , 2013, 1, 237-246.	0.1	1
76	Sub-ambient CO oxidation over mesoporous Co ₃ O ₄ : Effect of morphology on its reduction behavior and catalytic performance. <i>Applied Catalysis A: General</i> , 2012, 431-432, 9-17.	4.3	76
77	Gold supported on pillared clays for CO oxidation reaction: Effect of the clay aggregate size. <i>Applied Clay Science</i> , 2012, 69, 22-29.	5.2	16
78	Influence of Gold on Ce-Zr-Co Fluorite-Type Mixed Oxide Catalysts for Ethanol Steam Reforming. <i>Catalysts</i> , 2012, 2, 121-138.	3.5	12
79	Influence of Vanadium or Cobalt Oxides on the CO Oxidation Behavior of Au/MO _x /CeO ₂ -Al ₂ O ₃ Systems. <i>ChemCatChem</i> , 2012, 4, 512-520.	3.7	26
80	Sub-ambient CO oxidation over Au/MO _x /CeO ₂ -Al ₂ O ₃ (M=Zn or Fe). <i>Applied Catalysis A: General</i> , 2012, 419-420, 58-66.	4.3	22
81	Cu-modified cryptomelane oxide as active catalyst for CO oxidation reactions. <i>Applied Catalysis B: Environmental</i> , 2012, 123-124, 27-35.	20.2	95
82	Well-Defined Negatively Charged Gold Carbonyls on Au/SiO ₂ . <i>Journal of Physical Chemistry C</i> , 2011, 115, 21273-21282.	3.1	50
83	Gold Functionalized Supported Ionic Liquids Catalyst for CO Oxidation. <i>Catalysts</i> , 2011, 1, 52-68.	3.5	5
84	Ionic liquid protected heteropoly acids for methanol dehydration. <i>Catalysis Today</i> , 2011, 171, 236-241.	4.4	15
85	Hydrogen production by methanol steam reforming on NiSn/MgO-Al ₂ O ₃ catalysts: The role of MgO addition. <i>Applied Catalysis A: General</i> , 2011, 392, 184-191.	4.3	97
86	Support Effects in the Gold-Catalyzed Preferential Oxidation of CO. <i>ChemCatChem</i> , 2010, 2, 556-563.	3.7	58
87	Modified cryptomelane-type manganese dioxide nanomaterials for preferential oxidation of CO in the presence of hydrogen. <i>Catalysis Today</i> , 2010, 157, 160-165.	4.4	71
88	Synthesis of ionic liquid templated zeolite like structures. <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 597-600.	1.5	2
89	New class of acid catalysts for methanol dehydration. <i>Studies in Surface Science and Catalysis</i> , 2010, , 601-604.	1.5	9
90	Influence of the zeolite synthesis route on its catalytic properties in the methanol to olefin reaction. <i>Journal of Catalysis</i> , 2009, 265, 1-7.	6.2	75

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91	Design of microporous materials: A novel generation of solid acids. <i>Comptes Rendus Chimie</i> , 2009, 12, 716-722.	0.5	1
92	Pressure drop measurements and hydrodynamic model description of SiC foam composites decorated with SiC nanofiber. <i>Catalysis Today</i> , 2009, 141, 403-408.	4.4	35
93	Ionic liquid templated TiO ₂ nanoparticles as a support in gold environmental catalysis. <i>Applied Catalysis B: Environmental</i> , 2009, 93, 140-148.	20.2	21
94	Binderless HZSM-5 coating on γ -SiC for different alcohols dehydration. <i>Applied Catalysis A: General</i> , 2009, 359, 151-157.	4.3	40
95	Microwave heating effects on acylation of anisole, catalyzed by BEA zeolite supported on γ -SiC. <i>Catalysis Communications</i> , 2009, 10, 477-480.	3.3	13
96	ZSM-5 Nanowires Assembly Supported on Medium Surface Area Foam γ -SiC Composite with Nanoscopic Surface Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3611-3616.	0.9	0
97	Efficient Synthesis of Dimethyl Ether over HZSM-5 Supported on Medium Surface Area γ -SiC Foam. <i>ChemSusChem</i> , 2008, 1, 851-857.	6.8	47
98	Crotonaldehyde hydrogenation on supported gold catalysts. <i>Catalysis Today</i> , 2008, 133-135, 661-666.	4.4	34
99	1D SiC decoration of SiC macroscopic shapes for filtration devices. <i>Journal of Materials Chemistry</i> , 2008, 18, 4654.	6.7	39
100	ZSM-5 Coatings on γ -SiC Monoliths: Possible New Structured Catalyst for the Methanol-to-Olefins Process. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4368-4374.	3.1	101
101	Autoassembly of Nanofibrous Zeolite Crystals via Silicon Carbide Substrate Self-Transformation. <i>Journal of the American Chemical Society</i> , 2007, 129, 3383-3391.	13.7	66
102	Application of alumina supported gold-based catalysts in total oxidation of CO and light hydrocarbons mixture. <i>Catalysis Today</i> , 2006, 113, 182-186.	4.4	23
103	Preparation of alumina supported gold catalysts: Influence of washing procedures, mechanism of particles size growth. <i>Applied Catalysis A: General</i> , 2006, 298, 57-64.	4.3	107
104	Application of the direct exchange method in the preparation of gold catalysts supported on different oxide materials. <i>Journal of Molecular Catalysis A</i> , 2006, 256, 278-283.	4.8	71
105	Preparation of alumina supported gold catalysts: Gold complexes genesis, identification and speciation by mass spectrometry. <i>Applied Catalysis A: General</i> , 2006, 298, 203-210.	4.3	48
106	Selective hydrogenation of crotonaldehyde on Au/HSA-CeO ₂ catalysts. <i>Journal of Catalysis</i> , 2006, 242, 162-171.	6.2	76
107	A new preparation method for the formation of gold nanoparticles on an oxide support. <i>Applied Catalysis A: General</i> , 2004, 267, 191-201.	4.3	230
108	Identification of irradiation treatment of aromatic herbs, spices and fruits by electron paramagnetic resonance and thermoluminescence. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2000, 56, 409-416.	3.9	101