Linda Z Nikoshvili

List of Publications by Year
in descending order

44 papers	787 citations	567247 15 h-index	526264 27 g-index
46 all docs	46 docs citations	46 times ranked	637 citing authors

#	Article	IF	Citations
1	Functionalization of Monodisperse Iron Oxide NPs and Their Properties as Magnetically Recoverable Catalysts. Langmuir, 2013, 29, 466-473.	3.5	91
2	Magnetically Recoverable Catalysts Based on Polyphenylenepyridyl Dendrons and Dendrimers. RSC Advances, 2014, 4, 23271.	3.6	85
3	Fabrication of Magnetically Recoverable Catalysts Based on Mixtures of Pd and Iron Oxide Nanoparticles for Hydrogenation of Alkyne Alcohols. ACS Applied Materials & Interfaces, 2014, 6, 21652-21660.	8.0	85
4	Polyphenylenepyridyl Dendrons with Functional Periphery and Focal Points: Syntheses and Applications. Macromolecules, 2013, 46, 5890-5898.	4.8	80
5	Selective hydrogenation of 2-methyl-3-butyn-2-ol over Pd-nanoparticles stabilized in hypercrosslinked polystyrene: Solvent effect. Catalysis Today, 2015, 241, 179-188.	4.4	39
6	Palladium Containing Catalysts Based on Hypercrosslinked Polystyrene for Selective Hydrogenation of Acetylene Alcohols. Topics in Catalysis, 2012, 55, 492-497.	2.8	37
7	Kinetic study of selective hydrogenation of 2-methyl-3-butyn-2-ol over Pd-containing hypercrosslinked polystyrene. Catalysis Today, 2015, 256, 231-240.	4.4	29
8	Au Coreâ€"Pd Shell Bimetallic Nanoparticles Immobilized within Hyper-Cross-Linked Polystyrene for Mechanistic Study of Suzuki Cross-Coupling: Homogeneous or Heterogeneous Catalysis?. Organic Process Research and Development, 2018, 22, 1606-1613.	2.7	26
9	Hydrophobic Periphery Tails of Polyphenylenepyridyl Dendrons Control Nanoparticle Formation and Catalytic Properties. Chemistry of Materials, 2014, 26, 5654-5663.	6.7	20
10	Pd-Nanoparticles Confined Within Hollow Polymeric Framework as Effective Catalysts for the Synthesis of Fine Chemicals. Topics in Catalysis, 2016, 59, 1185-1195.	2.8	19
11	Catalysts of Suzuki Cross-Coupling Based on Functionalized Hyper-cross-linked Polystyrene: Influence of Precursor Nature. Organic Process Research and Development, 2016, 20, 1453-1460.	2.7	18
12	Continuously operated falling film microreactor for selective hydrogenation of carbonâ€"carbon triple bonds. Chemical Engineering Journal, 2016, 293, 345-354.	12.7	18
13	Pyridylphenylene dendrons immobilized on the surface of chemically modified magnetic silica as efficient stabilizing molecules of Pd species. Applied Surface Science, 2019, 488, 865-873.	6.1	17
14	Pd Catalyst Based on Hyperbranched Polypyridylphenylene Formed In Situ on Magnetic Silica Allows for Excellent Performance in Suzukiâ€"Miyaura Reaction. ACS Applied Materials & Interfaces, 2020, 12, 22170-22178.	8.0	17
15	Promotion Effect of Alkali Metal Hydroxides on Polymer-Stabilized Pd Nanoparticles for Selective Hydrogenation of Câ€"C Triple Bonds in Alkynols. Industrial & Engineering Chemistry Research, 2017, 56, 13219-13227.	3.7	16
16	Mono- and bimetallic (Ru-Co) polymeric catalysts for levulinic acid hydrogenation. Catalysis Today, 2021, 378, 167-175.	4.4	15
17	Î³-Fe2O3 nanoparticle surface controls PtFe nanoparticle growth and catalytic properties. Nanoscale, 2013, 5, 2921.	5.6	14
18	New Approach to Synthesis of Tetralin via Naphthalene Hydrogenation in Supercritical Conditions Using Polymer-Stabilized Pt Nanoparticles. Catalysts, 2020, 10, 1362.	3.5	14

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19	Kinetic Modelling of Levulinic Acid Hydrogenation Over Ru-Containing Polymeric Catalyst. Topics in Catalysis, 2020, 63, 243-253.	2.8	12
20	Hydrogenation of levulinic acid using Ru-containing catalysts based on hypercrosslinked polystyrene. Green Processing and Synthesis, 2017, 6, 281-286.	3.4	11
21	Study of Deactivation in Suzuki Reaction of Polymer-Stabilized Pd Nanocatalysts. Processes, 2020, 8, 1653.	2.8	11
22	Catalytic Hydrodeoxygenation of Fatty Acids for Biodiesel Production. Bulletin of Chemical Reaction Engineering and Catalysis, 2016, 11, 125-132.	1.1	11
23	Structure and behavior of nanoparticulate catalysts based on ultrathin chitosan layers. Journal of Molecular Catalysis A, 2007, 276, 116-129.	4.8	10
24	Hydrodeoxygenation of stearic acid for the production of â€œgreenâ€• diesel. Green Processing and Synthesis, 2014, 3, 441-446.	3.4	9
25	Pd Nanoparticles Stabilized by Hypercrosslinked Polystyrene Catalyze Selective Triple C-C Bond Hydrogenation and Suzuki Cross-Coupling. Journal of Nanomaterials, 2019, 2019, 1-7.	2.7	9
26	Surface interactions with the metal oxide surface control Ru nanoparticle formation and catalytic performance. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125722.	4.7	9
27	Ru@hyperbranched Polymer for Hydrogenation of Levulinic Acid to Gamma-Valerolactone: The Role of the Catalyst Support. International Journal of Molecular Sciences, 2022, 23, 799.	4.1	9
28	Nanosized Pt-, Ru-, and Pd-containing catalysts for organic synthesis and solution of environmental issues. Catalysis in Industry, 2011, 3, 260-270.	0.7	8
29	The Use of the Ru-Containing Catalyst Based on Hypercrosslinked Polystyrene in the Hydrogenation of Levulinic Acid to Î³-Valerolactone. Catalysis in Industry, 2018, 10, 301-312.	0.7	8
30	Preparation of the polymer-stabilized and supported nanostructured catalysts. Studies in Surface Science and Catalysis, 2010, , 153-160.	1.5	5
31	Synthesis of 4-Methoxybiphenyl Using Pd-Containing Catalysts Based on Polymeric Matrix of Functionalized Hypercrosslinked Polystyrene. Bulletin of Chemical Reaction Engineering and Catalysis, 2015, 10, .	1.1	5
32	Dendritic effect for immobilized pyridylphenylene dendrons in hosting catalytic Pd species: Positive or negative?. Reactive and Functional Polymers, 2020, 151, 104582.	4.1	5
33	Effect of the conditions of thermal reduction on the formation, stability, and catalytic properties of polymer-stabilized palladium nanoparticles in the selective hydrogenation of acetylene alcohols. Catalysis in Industry, 2014, 6, 182-189.	0.7	3
34	N2O Decomposition over Fe-ZSM-5: A Systematic Study in the Generation of Active Sites. Molecules, 2020, 25, 3867.	3.8	3
35	Hydrogenation of a Benzeneâ€Toluene Mixture Using Metal Nanoparticles Stabilized by a Hyperâ€Crosslinked Aromatic Polymer. Chemical Engineering and Technology, 2021, 44, 1955-1961.	1.5	3
36	Noble Metal Nanoparticles Stabilized by Hyper-Cross-Linked Polystyrene as Effective Catalysts in Hydrogenation of Arenes. Molecules, 2021, 26, 4687.	3.8	3

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37	Chitosan as capping agent in a robust one-pot procedure for a magnetic catalyst synthesis. Carbohydrate Polymers, 2021, 269, 118267.	10.2	3
38	Adsorption Processes for the Synthesis ofÂCatalytically Active Metal Nanoparticles in Polymeric Matrices. Chemical Engineering and Technology, 2015, 38, 683-689.	1.5	2
39	Hyper-Cross-Linked Polystyrene as a Stabilizing Medium for Small Metal Clusters. Molecules, 2021, 26, 5294.	3.8	2
40	Mono- and Bimetallic Nanoparticles Stabilized by an Aromatic Polymeric Network for a Suzuki Cross-Coupling Reaction. Nanomaterials, 2022, 12, 94.	4.1	2
41	Structured polyphenylenes as carriers of palladium nanoparticles used as selective hydrogenation catalysts. Polymer Science - Series B, 2010, 52, 49-56.	0.8	1
42	Surface characteristics of block copolymer solutions and reaction mixture components as key elements to understanding of the behavior of block copolymer based hydrogenation catalyst. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 383, 102-108.	4.7	1
43	Hybrid Pd-Nanoparticles within Polymeric Network in Selective Hydrogenation of Alkynols: Influence of Support Porosity. Molecules, 2022, 27, 3842.	3.8	1
44	Selective Hydrogenation of Dehydrolinalool to Linalool Using Nanostructured Pd-Polymeric Composite Catalysts. Chemical Industries, 2006, , .	0.1	0