Ji Chan Park

List of Publications by Year
in descending order

36 papers	1,077 citations	430874 18 h-index	395702 33 g-index
36 all docs	36 docs citations	36 times ranked	1662 citing authors

#	Article	IF	Citations
1	Ni@SiO₂yolk-shell nanoreactor catalysts: High temperature stability and recyclability. Journal of Materials Chemistry, 2010, 20, 1239-1246.	6.7	210
2	Catalytic Hydrogen Transfer of Ketones over Ni@SiO₂ Yolkâˆ'Shell Nanocatalysts with Tiny Metal Cores. Journal of Physical Chemistry C, 2010, 114, 6381-6388.	3.1	77
3	Porosity Control of Pd@SiO₂ Yolkâ€"Shell Nanocatalysts by the Formation of Nickel Phyllosilicate and Its Influence on Suzuki Coupling Reactions. Langmuir, 2012, 28, 6441-6447.	3.5	71
4	A new synthesis of carbon encapsulated Fe₅C₂ nanoparticles for high-temperature Fischerâ€"Tropsch synthesis. Nanoscale, 2015, 7, 16616-16620.	5.6	67
5	Cu₂O Nanocubeâ€Catalyzed Crossâ€Coupling of Aryl Halides with Phenols via Ullmann Coupling. European Journal of Inorganic Chemistry, 2009, 2009, 4219-4223.	2.0	65
6	Highly activated K-doped iron carbide nanocatalysts designed by computational simulation for Fischerâ€"Tropsch synthesis. Journal of Materials Chemistry A, 2014, 2, 14371-14379.	10.3	65
7	Chemical transformation and morphology change of nickelâ€"silica hybrid nanostructures via nickel phyllosilicates. Chemical Communications, 2009, , 7345.	4.1	61
8	Bimetallic NiPd Nanoparticle-Incorporated Ordered Mesoporous Carbon as Highly Efficient Electrocatalysts for Hydrogen Production via Overall Urea Electrolysis. ACS Sustainable Chemistry and Engineering, 2019, 7, 15526-15536.	6.7	44
9	Gramâ€Scale Synthesis of Magnetically Separable and Recyclable Co@SiO₂ Yolkâ€Shell Nanocatalysts for Phenoxycarbonylation Reactions. ChemCatChem, 2011, 3, 755-760.	3.7	34
10	Facile synthesis of Pd/Fe₃O₄/charcoal bifunctional catalysts with high metal loading for high product yields in Suzukiâ€"Miyaura coupling reactions. New Journal of Chemistry, 2014, 38, 5626-5632.	2.8	31
11	Platinum-Centered Yolkâˆ'Shell Nanostructure Formation by Sacrificial Nickel Spacers. Langmuir, 2010, 26, 16469-16473.	3.5	29
12	Synthesis of Polycrystalline Mo/MoOxNanoflakes and Their Transformation to MoO3and MoS2Nanoparticles. Chemistry of Materials, 2007, 19, 2706-2708.	6.7	28
13	Development of a stand-alone steam methane reformer for on-site hydrogen production. International Journal of Hydrogen Energy, 2016, 41, 8176-8183.	7.1	27
14	A highly efficient nano-sized Cu₂O/SiO₂egg-shell catalyst for Câ€"C coupling reactions. RSC Advances, 2018, 8, 6200-6205.	3.6	24
15	Unravelling the reaction mechanism of gas-phase formic acid decomposition on highly dispersed Mo2C nanoparticles supported on graphene flakes. Applied Catalysis B: Environmental, 2020, 264, 118478.	20.2	23
16	Solvent-Free Microwave Promoted [3Â+Â2] Cycloaddition of Alkyne-Azide in Uniform CuO Hollow Nanospheres. Topics in Catalysis, 2010, 53, 523-528.	2.8	21
17	Leaching-resistant SnO2/Î³-Al2O3 nanocatalyst for stable electrochemical CO2 reduction into formate. Journal of Industrial and Engineering Chemistry, 2019, 78, 73-78.	5.8	21
18	High-performance Fe 5 C 2 @CMK-3 nanocatalyst for selective and high-yield production of gasoline-range hydrocarbons. Journal of Catalysis, 2017, 349, 66-74.	6.2	20

#	Article	IF	Citations
19	A durable nanocatalyst of potassium-doped iron-carbide/alumina for significant production of linear alpha olefins via Fischer-Tropsch synthesis. Applied Catalysis A: General, 2018, 564, 190-198.	4.3	19
20	Phase-controlled synthesis of thermally stable nitrogen-doped carbon supported iron catalysts for highly efficient Fischer-Tropsch synthesis. Nano Research, 2019, 12, 2568-2575.	10.4	18
21	Extremely productive iron-carbide nanoparticles on graphene flakes for CO hydrogenation reactions under harsh conditions. Journal of Catalysis, 2019, 378, 289-297.	6.2	17
22	Cs promoted Fe₅C₂/charcoal nanocatalysts for sustainable liquid fuel production. RSC Advances, 2015, 5, 44211-44217.	3.6	13
23	Robust iron-carbide nanoparticles supported on alumina for sustainable production of gasoline-range hydrocarbons. New Journal of Chemistry, 2017, 41, 2756-2763.	2.8	13
24	Hyperactive iron carbide@N-doped reduced graphene oxide/carbon nanotube hybrid architecture for rapid CO hydrogenation. Journal of Materials Chemistry A, 2018, 6, 11134-11139.	10.3	12
25	Production of linear Î±-olefin 1-octene via dehydration of 1-octanol over Al2O3 catalyst. Fuel, 2019, 256, 115957.	6.4	11
26	Effect of Ba impregnation on Al2O3 catalyst for 1-octene production by 1-octanol dehydration. Fuel, 2020, 281, 118791.	6.4	10
27	Highly productive cobalt nanoparticles supported on mesocellular silica foam for the Fischerâ€"Tropsch reaction. New Journal of Chemistry, 2016, 40, 9586-9592.	2.8	7
28	Highly dispersed Ni nanoparticles on mesoporous silica nanospheres by melt infiltration for transfer hydrogenation of aryl ketones. RSC Advances, 2019, 9, 14154-14159.	3.6	7
29	Nickel Nanoparticles Supported on CMKâ€3 with Enhanced Catalytic Performance for Hydrogenation of Carbonyl Compounds. European Journal of Inorganic Chemistry, 2016, 2016, 3469-3473.	2.0	6
30	Automated synthesis and data accumulation for fast production of high-performance Ni nanocatalysts. Journal of Industrial and Engineering Chemistry, 2022, 106, 449-459.	5.8	6
31	A new synthesis of highly active Rhâ€"Co alloy nanoparticles supported on N-doped porous carbon for catalytic Câ€"Se cross-coupling and<i>p</i>-nitrophenol hydrogenation reactions. New Journal of Chemistry, 2021, 45, 7959-7966.	2.8	5
32	Large-scale synthesis of uniformly loaded cobalt nanoparticles on alumina for efficient clean fuel production. RSC Advances, 2017, 7, 8852-8857.	3.6	4
33	A new systematic synthesis of ultimate nickel nanocatalysts for compact hydrogen generation. Reaction Chemistry and Engineering, 2020, 5, 1218-1223.	3.7	4
34	Unravelling the K-promotion effect in highly active and stable Fe5C2 nanoparticles for catalytic linear Î±-olefin production. Materials Advances, 2021, 2, 1050-1058.	5.4	3
35	A Facile Synthesis of SiO₂@Co/mSiO₂ Egg-Shell Nanoreactors for Fischer-Tropsch Reaction. Journal of Nanoscience and Nanotechnology, 2016, 16, 1787-1792.	0.9	2
36	Efficient catalyst by a sequential melt infiltration method to achieve a high loading of supported nickel nanoparticles for compact reformer. Journal of Industrial and Engineering Chemistry, 2021, 102, 218-225.	5.8	2