

Supported Iron Nanoparticles as Catalysts for Sustainable

Science

335, 835-838

DOI: [10.1126/science.1215614](https://doi.org/10.1126/science.1215614)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Single crystal iron nanocube synthesis via the surface energy driven growth method. <i>Nanotechnology</i> , 2012, 23, 435604.	1.3	7
3	Nanocatalysts for conversion of natural gas to liquid fuels and petrochemical feedstocks. <i>Applied Catalysis A: General</i> , 2012, 443-444, 8-26.	2.2	44
4	A Simple Chemical Route toward Monodisperse Iron Carbide Nanoparticles Displaying Tunable Magnetic and Unprecedented Hyperthermia Properties. <i>Nano Letters</i> , 2012, 12, 4722-4728.	4.5	185
5	A General Chelate-Assisted Co-Assembly to Metallic Nanoparticles-Incorporated Ordered Mesoporous Carbon Catalysts for Fischer-Tropsch Synthesis. <i>Journal of the American Chemical Society</i> , 2012, 134, 17653-17660.	6.6	227
6	Preparation and Catalysis of Carbon-Supported Iron Catalysts for Fischer-Tropsch Synthesis. <i>ChemCatChem</i> , 2012, 4, 1498-1511.	1.8	100
8	Iron Particle Size Effects for Direct Production of Lower Olefins from Synthesis Gas. <i>Journal of the American Chemical Society</i> , 2012, 134, 16207-16215.	6.6	390
10	Suppression of Carbon Deposition in the Iron-Catalyzed Production of Lower Olefins from Synthesis Gas. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7190-7193.	7.2	80
11	Supported Iron Nanoparticles as Catalysts for Sustainable Production of Lower Olefins. <i>ChemCatChem</i> , 2012, 4, 751-752.	1.8	33
13	Catalysts for Production of Lower Olefins from Synthesis Gas: A Review. <i>ACS Catalysis</i> , 2013, 3, 2130-2149.	5.5	804
14	Melt Infiltration: an Emerging Technique for the Preparation of Novel Functional Nanostructured Materials. <i>Advanced Materials</i> , 2013, 25, 6672-6690.	11.1	120
15	Cobalt-imbedded zeolite catalyst for direct syntheses of gasoline via Fischer-Tropsch synthesis. <i>Catalysis Science and Technology</i> , 2013, 3, 2559.	2.1	39
16	Light olefins synthesis from C1-C2 paraffins via oxychlorination processes. <i>Frontiers of Chemical Science and Engineering</i> , 2013, 7, 279-288.	2.3	19
17	Novel synthesis of Pd nanoparticles for hydrogenation of biomass-derived platform chemicals showing enhanced catalytic performance. <i>RSC Advances</i> , 2013, 3, 25865.	1.7	72
18	Fischer-Tropsch Synthesis Catalyzed by Solid Nanoparticles at the Water/Oil Interface in an Emulsion System. <i>Energy & Fuels</i> , 2013, 27, 6118-6124.	2.5	24
19	Cobalt Precursors for High-Throughput Discovery of Base Metal Asymmetric Alkene Hydrogenation Catalysts. <i>Science</i> , 2013, 342, 1076-1080.	6.0	346
20	Chemical synthesis of magnetic nanocrystals: Recent progress. <i>Chinese Physics B</i> , 2013, 22, 107503.	0.7	13
21	Nanoscale Fe ₂ O ₃ -Based Catalysts for Selective Hydrogenation of Nitroarenes to Anilines. <i>Science</i> , 2013, 342, 1073-1076.	6.0	868
22	Shale Gas Revolution: An Opportunity for the Production of Biobased Chemicals?. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11980-11987.	7.2	278

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23	Die Schiefergasrevolution: eine Chance zur Herstellung von Chemikalien auf Biobasis?. <i>Angewandte Chemie</i> , 2013, 125, 12198-12206.	1.6	40
25	Room Temperature Dehydrogenation of Ethane, Propane, Linear Alkanes C ₄ -C ₈ , and Some Cyclic Alkanes by Titanium-Carbon Multiple Bonds. <i>Journal of the American Chemical Society</i> , 2013, 135, 14754-14767.	6.6	65
26	Mechanism and microkinetics of the Fischer-Tropsch reaction. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 17038.	1.3	233
27	Investigation of TiO ₂ -SiO ₂ -Fe ₃ O ₄ core-shell nanoparticle properties with different functional layer thickness. , 2013, , .		0
28	Direct conversion of calcium carbonate to C ₁ -C ₃ hydrocarbons. <i>RSC Advances</i> , 2013, 3, 7224.	1.7	22
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31	Selective hydrogenation of CO ₂ and CO to useful light olefins over octahedral molecular sieve manganese oxide supported iron catalysts. <i>Applied Catalysis B: Environmental</i> , 2013, 132-133, 54-61.	10.8	70
32	Synthesis of light olefins from syngas over Fe-Mn-V-K catalysts in the slurry phase. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 961-965.	2.9	17
33	One-Pot Approach to a Highly Robust Iron Oxide/Reduced Graphene Oxide Nanocatalyst for Fischer-Tropsch Synthesis. <i>ChemCatChem</i> , 2013, 5, 714-719.	1.8	32
34	Aqueous oxidation of alcohols catalysed by recoverable iron oxide nanoparticles supported on aluminosilicates. <i>Green Chemistry</i> , 2013, 15, 1232.	4.6	43
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38	Controlling the Distribution of Supported Nanoparticles by Aqueous Synthesis. <i>Chemistry of Materials</i> , 2013, 25, 890-896.	3.2	44
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40	Effects of sodium and sulfur on catalytic performance of supported iron catalysts for the Fischer-Tropsch synthesis of lower olefins. <i>Journal of Catalysis</i> , 2013, 303, 22-30.	3.1	217
41	Interplay between pore size and nanoparticle spatial distribution: Consequences for the stability of CuZn/SiO ₂ methanol synthesis catalysts. <i>Journal of Catalysis</i> , 2013, 303, 31-40.	3.1	56

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43	Iron nanoparticles in situ encapsulated in biochar-based carbon as an effective catalyst for the conversion of biomass-derived syngas to liquid hydrocarbons. <i>Green Chemistry</i> , 2013, 15, 1631.	4.6	171
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53	Effect of precursor on the catalytic performance of supported iron catalysts for the Fischer-Tropsch synthesis of lower olefins. <i>Catalysis Today</i> , 2013, 215, 95-102.	2.2	76
55	High Photocatalytic Activity of Fe ₃ O ₄ -SiO ₂ -TiO ₂ Functional Particles with Core-Shell Structure. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	1.5	10
56	Economic Feasibility of the Sugar Beet-to-Ethylene Value Chain. <i>ChemSusChem</i> , 2013, 6, 1625-1630.	3.6	15
57	Fischer-Tropsch synthesis nanostructured catalysts: understanding structural characteristics and catalytic reaction. <i>Nanotechnology Reviews</i> , 2013, 2, 547-576.	2.6	29
58	SiCN: SiCN Nanofibers with a Diameter Below 100 nm Synthesized via Concerted Block Copolymer Formation, Microphase Separation, and Crosslinking (Small 7/2013). <i>Small</i> , 2013, 9, 983-983.	5.2	7
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63	Promoter Effects on Iron-Based Silica Fischer-Tropsch Nanocatalysts: Conversion of Carbon Dioxide to Lower Olefins and Hydrocarbons at Atmospheric Pressure. <i>ChemPlusChem</i> , 2013, 78, 1536-1544.	1.3	28
64	Vibrational Analysis of an Industrial Fe-Based Fischer-Tropsch Catalyst Employing Inelastic Neutron Scattering. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5608-5611.	7.2	25
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67	High Selectivity Higher Alcohols Synthesis from Syngas over Three-Dimensionally Ordered Macroporous Cu-Fe Catalysts. <i>ChemCatChem</i> , 2014, 6, 473-478.	1.8	64
68	Photocatalytic Property of Fe ₃ O ₄ /SiO ₂ /TiO ₂ Core-Shell Nanoparticle with Different Functional Layer Thicknesses. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-7.	1.5	9
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74	Sodium promoter on iron-based catalyst for direct catalytic synthesis of light alkenes from syngas. <i>Fuel Processing Technology</i> , 2014, 125, 119-124.	3.7	45
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83	Fischer-Tropsch Reaction on a Thermally Conductive and Reusable Silicon Carbide Support. <i>ChemSusChem</i> , 2014, 7, 1218-1239.	3.6	82
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85	Essential elucidation for preparation of supported nickel phosphide upon nickel phosphate precursor. <i>Journal of Solid State Chemistry</i> , 2014, 212, 13-22.	1.4	26
86	Graphene-Supported, Iron-Based Nanoparticles for Catalytic Production of Liquid Hydrocarbons from Synthesis Gas: The Role of the Graphene Support in Comparison with Carbon Nanotubes. <i>ACS Catalysis</i> , 2014, 4, 535-545.	5.5	128
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119	Silicon carbide foam decorated with carbon nanofibers as catalytic stirrer in liquid-phase hydrogenation reactions. <i>Applied Catalysis A: General</i> , 2014, 469, 81-88.	2.2	32
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130	One-pot synthesis of promoted porous iron-based microspheres and its Fischer-Tropsch performance. <i>Applied Catalysis A: General</i> , 2015, 499, 139-145.	2.2	24
131	Pore size effects in high-temperature Fischer-Tropsch synthesis over supported iron catalysts. <i>Journal of Catalysis</i> , 2015, 328, 139-150.	3.1	151
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