

# Feng Shi

## List of Publications by Year in descending order

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95  
papers

5,130  
citations

94269

37  
h-index

88477

70  
g-index

102  
all docs

102  
docs citations

102  
times ranked

5581  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Highly Active N-Doped Carbon Supported CoFe Alloy Catalyst for Hydroformylation of C <sub>8</sub> Olefins. <i>Journal of Physical Chemistry C</i> , 2022, 126, 273-281.	1.5	11
2	A biphosphine copolymer encapsulated single-site Rh catalyst for heterogeneous regioselective hydroaminomethylation of alkenes. <i>Chemical Communications</i> , 2022, 58, 8093-8096.	2.2	3
3	Towards Economic and Sustainable Amination with Green and Renewable Feedstocks. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1051-1069.	2.6	7
4	Selective synthesis of <i>N</i> -monomethyl amines with primary amines and nitro compounds. <i>Catalysis Science and Technology</i> , 2021, 11, 7239-7254.	2.1	10
5	Oxidative dehydrogenation of light alkanes with carbon dioxide. <i>Green Chemistry</i> , 2021, 23, 689-707.	4.6	39
6	Zeolite catalyzed hydroarylation of alkenes with aromatic amines under organic ligand-free conditions. <i>Journal of Catalysis</i> , 2021, 394, 18-29.	3.1	6
7	Efficient hydrogenation catalyst designing via preferential adsorption sites construction towards active copper. <i>Journal of Catalysis</i> , 2021, 400, 397-406.	3.1	11
8	Supported Cu <sup>II</sup> Single-Atom Catalyst for Total Carbon Utilization of C <sub>2</sub> and C <sub>3</sub> Biomass-Based Platform Molecules in the <i>N</i> -Formylation of Amines. <i>Chemistry - A European Journal</i> , 2021, 27, 16889-16895.	1.7	10
9	Confinement of atomically dispersed Rh catalysts within porous monophosphine polymers for regioselective hydroformylation of alkenes. <i>Journal of Catalysis</i> , 2021, 401, 321-330.	3.1	30
10	The catalytic dehydrogenation of ethanol by heterogeneous catalysts. <i>Catalysis Science and Technology</i> , 2021, 11, 1652-1664.	2.1	31
11	Dihydroxyacetone valorization with high atom efficiency via controlling radical oxidation pathways over natural mineral-inspired catalyst. <i>Nature Communications</i> , 2021, 12, 6840.	5.8	13
12	Organic Ligand-Free Hydroformylation with Rh Particles as Catalyst. <i>Chinese Journal of Chemistry</i> , 2020, 38, 139-143.	2.6	10
13	Green synthesis of N-alkylamines and amides via the building and transformation of carbonyl-containing molecules. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 22, 1-6.	3.2	2
14	Supported Ni nanoparticles with a phosphine ligand as an efficient heterogeneous non-noble metal catalytic system for regioselective hydrosilylation of alkynes. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7554-7558.	1.5	11
15	Synthesis of Amides-Functionalized POPs-Supported Nano-Pd Catalysts for Phosphine Ligand-Free Heterogeneous Hydroaminocarbonylation of Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2348-2353.	2.1	11
16	Organic ligand and solvent free oxidative carbonylation of amine over Pd/TiO <sub>2</sub> with unprecedented activity. <i>Green Chemistry</i> , 2019, 21, 4040-4045.	4.6	8
17	Preface to Special Issue of ChemSusChem : Sustainable Organic Synthesis. <i>ChemSusChem</i> , 2019, 12, 2834-2834.	3.6	2
18	Amine formylation with CO <sub>2</sub> and H <sub>2</sub> catalyzed by heterogeneous Pd/PAL catalyst. <i>Chinese Journal of Catalysis</i> , 2019, 40, 1141-1146.	6.9	22

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19	Reductive Amination of Furanic Aldehydes in Aqueous Solution over Versatile Ni <sub>2</sub> AlO <sub>x</sub> Catalysts. ACS Omega, 2019, 4, 2510-2516.	1.6	52
20	Sustainable Co <sup>II</sup> Synthesis of Glycolic Acid, Formamides and Formates from 1,3-Dihydroxyacetone by a Cu/Al <sub>2</sub> O <sub>3</sub> Catalyst with a Single Active Sites. Angewandte Chemie - International Edition, 2019, 58, 5251-5255.	7.2	38
21	N-Alkyl amide synthesis via N-alkylation of amides with alcohols. Organic and Biomolecular Chemistry, 2019, 17, 2044-2054.	1.5	29
22	Precise regulation of the selectivity of supported nano-Pd catalysts using polysiloxane coatings with tunable surface wettability. Chemical Communications, 2019, 55, 8305-8308.	2.2	15
23	Active catalyst construction for CO <sub>2</sub> recycling via catalytic synthesis of N-doped carbon on supported Cu. Nature Communications, 2019, 10, 2599.	5.8	23
24	Enhanced CO <sub>2</sub> Adsorption on Nitrogen-Doped Carbon Materials by Salt and Base Co-Activation Method. Materials, 2019, 12, 1207.	1.3	5
25	Deconstructive di-functionalization of unstrained, benzo cyclic amines by C-N bond cleavage using a recyclable tungsten catalyst. Organic and Biomolecular Chemistry, 2019, 17, 4970-4974.	1.5	7
26	InnenrÄ¼cktitelbild: Sustainable Co <sup>II</sup> Synthesis of Glycolic Acid, Formamides and Formates from 1,3-Dihydroxyacetone by a Cu/Al <sub>2</sub> O <sub>3</sub> Catalyst with a Single Active Sites (Angew.) Tj ET 0 0 0 rgBT /Overlo	7.2	38
27	Reductive N-methylation of quinolines with paraformaldehyde and H <sub>2</sub> for sustainable synthesis of N-methyl tetrahydroquinolines. Chemical Communications, 2019, 55, 3915-3918.	2.2	17
28	Controllable synthesis of azoxybenzenes and anilines with alcohol as the reducing agent promoted by KOH. Synthetic Communications, 2019, 49, 688-696.	1.1	7
29	Sustainable Co <sup>II</sup> Synthesis of Glycolic Acid, Formamides and Formates from 1,3-Dihydroxyacetone by a Cu/Al <sub>2</sub> O <sub>3</sub> Catalyst with a Single Active Sites. Angewandte Chemie, 2019, 131, 5305-5309.	1.6	5
30	Highly selective synthesis of 2,5-bis(aminomethyl)furan via catalytic amination of 5-(hydroxymethyl)furfural with NH <sub>3</sub> over a bifunctional catalyst. RSC Advances, 2019, 9, 38877-38881.	1.7	35
31	Alcohol Amination Catalyzed by Copper Powder as a Self-Supported Catalyst. ChemSusChem, 2019, 12, 3185-3191.	3.6	27
32	Synthesis of a molecularly defined single-active site heterogeneous catalyst for selective oxidation of N-heterocycles. Nature Communications, 2018, 9, 1465.	5.8	35
33	Highly Selective N-Monomethylanilines Synthesis From Nitroarene and Formaldehyde via Kinetically Excluding of the Thermodynamically Favorable N,N-Dimethylation Reaction. ACS Catalysis, 2018, 8, 3943-3949.	5.5	30
34	Sustainable Catalytic Amination of Diols: From Cycloamination to Monoamination. ACS Sustainable Chemistry and Engineering, 2018, 6, 1061-1067.	3.2	14
35	N-Alkyl Amine Synthesis by Catalytic Alcohol Amination. , 2018, , 1-58.		18
36	Organic ligand-free carbonylation reactions with unsupported bulk Pd as catalyst. Green Chemistry, 2018, 20, 3457-3462.	4.6	34

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37	N-Monomethylation of amines using paraformaldehyde and H <sub>2</sub> . Chemical Communications, 2017, 53, 5542-5545.	2.2	36
38	A stable and practical nickel catalyst for the hydrogenolysis of C=O bonds. Green Chemistry, 2017, 19, 305-310.	4.6	49
39	Synthesis of Single Atom Based Heterogeneous Platinum Catalysts: High Selectivity and Activity for Hydrosilylation Reactions. ACS Central Science, 2017, 3, 580-585.	5.3	130
40	Hydroxyl Group-Regulated Active Nano-Pd/C Catalyst Generation via in Situ Reduction of Pd(NH <sub>3</sub> ) <sub>3</sub> Cl <sub>2</sub> /C for N-Formylation of Amines with CO <sub>2</sub> /H <sub>2</sub> . ACS Sustainable Chemistry and Engineering, 2017, 5, 5758-5765.	3.2	45
41	N/O-doped carbon as a solid ligand for nano-Pd catalyzed biphenyl- and triphenylamine syntheses. Catalysis Science and Technology, 2017, 7, 2170-2182.	2.1	10
42	Glycerol as a Building Block for Prochiral Aminoketone, N-Formamide, and N-Methyl Amine Synthesis. ChemSusChem, 2016, 9, 3133-3138.	3.6	19
43	Supported nano-gold-catalyzed N-formylation of amines with paraformaldehyde in water under ambient conditions. Green Chemistry, 2016, 18, 808-816.	4.6	58
44	Cooperative transformation of nitroarenes and biomass-based alcohols catalyzed by CuNiAlO <sub>x</sub> . RSC Advances, 2015, 5, 7970-7975.	1.7	14
45	Synthesis of unsymmetric tertiary amines via alcohol amination. Chemical Communications, 2015, 51, 9471-9474.	2.2	19
46	Carbon-catalysed reductive hydrogen atom transfer reactions. Nature Communications, 2015, 6, 6478.	5.8	108
47	Light-promoted N,N-dimethylation of amine and nitro compound with methanol catalyzed by Pd/TiO <sub>2</sub> at room temperature. RSC Advances, 2015, 5, 14514-14521.	1.7	62
48	A conjugated ketone as a catalyst in alcohol amination reactions under transition-metal and hetero-atom free conditions. RSC Advances, 2015, 5, 43589-43593.	1.7	14
49	Room temperature N-alkylation of amines with alcohols under UV irradiation catalyzed by Cu-Mo/TiO <sub>2</sub> . Catalysis Science and Technology, 2015, 5, 3226-3234.	2.1	39
50	Novel route for the synthesis of 8-oxa-3-azabicyclo[3.2.1]octane: One-pot aminocyclization of 2,5-tetrahydrofuran-dimethanol catalyzed by Pt/NiCuAlO. Catalysis Communications, 2015, 58, 195-199.	1.6	4
51	Highly efficient carbon catalyzed aerobic selective oxidation of benzylic and allylic alcohols under transition-metal and heteroatom free conditions. RSC Advances, 2014, 4, 59754-59758.	1.7	7
52	Catalytic Amination of Biomass-Based Alcohols. ChemSusChem, 2014, 7, 720-722.	3.6	95
53	NaF regulated aqueous phase synthesis of aromatic amides and imines catalyzed by Au/HT. Catalysis Science and Technology, 2014, 4, 1710-1715.	2.1	16
54	Reductive Amination of Aldehydes and Amines with an Efficient Pd/NiO Catalyst. Synthetic Communications, 2014, 44, 1314-1322.	1.1	20

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55	A way to realize controllable preparation of active nickel oxide supported nano-Au catalyst for CO oxidation. <i>Applied Catalysis A: General</i> , 2014, 473, 7-12.	2.2	8
56	Methylation of amines, nitrobenzenes and aromatic nitriles with carbon dioxide and molecular hydrogen. <i>Chemical Science</i> , 2014, 5, 649-655.	3.7	169
57	Amine formylation via carbon dioxide recycling catalyzed by a simple and efficient heterogeneous palladium catalyst. <i>Chemical Communications</i> , 2014, 50, 189-191.	2.2	100
58	Catalytic hydrogenation of aromatic rings catalyzed by Pd/NiO. <i>RSC Advances</i> , 2014, 4, 2729-2732.	1.7	26
59	N-Methylation of amine and nitro compounds with CO <sub>2</sub> /H <sub>2</sub> catalyzed by Pd/CuZrO <sub>x</sub> under mild reaction conditions. <i>Chemical Communications</i> , 2014, 50, 13521-13524.	2.2	107
60	Active palladium catalyst preparation for hydrogenation reactions of nitrobenzene, olefin and aldehyde derivatives. <i>Journal of Molecular Catalysis A</i> , 2014, 395, 195-201.	4.8	20
61	Selective Hydrogenation of Nitroaromatic Compounds with a Nickel Oxide-Supported Nano-Palladium Catalyst under Ambient Reaction Conditions. <i>ChemCatChem</i> , 2013, 5, 1739-1743.	1.8	30
62	Development of a General Non-Noble Metal Catalyst for the Benign Amination of Alcohols with Amines and Ammonia. <i>Chemistry - A European Journal</i> , 2013, 19, 3665-3675.	1.7	168
63	Nano-Gold Catalysis in Fine Chemical Synthesis. <i>Chemical Reviews</i> , 2012, 112, 2467-2505.	23.0	619
64	Au/Ag-Mo nano-rods catalyzed reductive coupling of nitrobenzenes and alcohols using glycerol as the hydrogen source. <i>Chemical Communications</i> , 2012, 48, 9391.	2.2	61
65	Ionic liquid templated preparation of carbon aerogels based on resorcinol-formaldehyde: properties and catalytic performance. <i>Journal of Materials Chemistry</i> , 2012, 22, 21852.	6.7	15
66	Oxidative imination of toluenes catalyzed by Pd-Au/silica gel under mild reaction conditions. <i>Chemical Communications</i> , 2012, 48, 7586.	2.2	26
67	Ionic Liquid Templated Preparation of Ru/SiO <sub>2</sub> and Its Activity in Nitrobenzene Hydrogenation. <i>ChemCatChem</i> , 2012, 4, 333-336.	1.8	18
68	Green and Practical Synthesis of Carbamates from Ureas and Organic Carbonates. <i>Synthetic Communications</i> , 2011, 41, 1102-1111.	1.1	18
69	N-substituted carbamates syntheses with alkyl carbamates as carbonyl source over Ni-promoted Fe <sub>3</sub> O <sub>4</sub> catalyst. <i>Journal of Catalysis</i> , 2011, 279, 328-336.	3.1	41
70	Quaternary Ammonium Ionic Liquids as Bi-functional Catalysts for One-step Synthesis of Dimethyl Carbonate from Ethylene Oxide, Carbon Dioxide and Methanol. <i>Catalysis Letters</i> , 2011, 141, 339-346.	1.4	42
71	Carborane-Derivatized Low-Melting Salts with Ether-Functionalized Cations Preparation and Properties. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1910-1920.	1.0	9
72	Organic Ligand-Free Alkylation of Amines, Carboxamides, Sulfonamides, and Ketones by Using Alcohols Catalyzed by Heterogeneous Ag/Mo Oxides. <i>Chemistry - A European Journal</i> , 2011, 17, 1021-1028.	1.7	166

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73	Ruthenium-Catalyzed Nitro and Nitrile Compounds Coupling with Alcohols: Alternative Route for $N$ -Substituted Amine Synthesis. <i>Chemistry - A European Journal</i> , 2011, 17, 2587-2591.	1.7	73
74	Palladium catalyzed N-alkylation of amines with alcohols. <i>Tetrahedron Letters</i> , 2011, 52, 1334-1338.	0.7	121
75	Co(acac) <sub>3</sub> /BMMImCl as a base-free catalyst system for clean syntheses of $N,N$ -disubstituted ureas from amines and CO <sub>2</sub> . <i>Science China Chemistry</i> , 2010, 53, 1534-1540.	4.2	25
76	Hydrogen Generation from Formic Acid Decomposition with a Ruthenium Catalyst Promoted by Functionalized Ionic Liquids. <i>ChemSusChem</i> , 2010, 3, 71-74.	3.6	59
77	The Influence of the Acidity of Ionic Liquids on Catalysis. <i>ChemSusChem</i> , 2010, 3, 1043-1047.	3.6	56
78	Self-Assembly of Ionic Liquids and Metal Complexes in Super-Cages of NaY: Integration of Free Catalysts and Solvent Molecules into Confined Catalytic Sites. <i>Chinese Journal of Catalysis</i> , 2010, 31, 933-937.	6.9	6
79	Selective catalytic formic acid decomposition for hydrogen generation in ionic liquids. <i>Journal of Fuel Chemistry and Technology</i> , 2010, 38, 544-553.	0.9	8
80	Oxidative Carbonylation of Aniline with a Mesoporous Silica Gel Immobilised Se-Functionalised Ionic Liquid Catalyst. <i>Journal of Chemical Research</i> , 2010, 34, 344-347.	0.6	7
81	Copper-Catalyzed $N$ -Alkylation of Sulfonamides with Benzylic Alcohols: Catalysis and Mechanistic Studies. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2949-2958.	2.1	85
82	Copper-Catalyzed Alkylation of Sulfonamides with Alcohols. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5912-5915.	7.2	167
83	Green and Efficient Synthesis of Sulfonamides Catalyzed by Nano-Ru <sub>3</sub> O <sub>4</sub> . <i>Journal of the American Chemical Society</i> , 2009, 131, 1775-1779.	6.6	232
84	Abnormal FT-IR and FT-Raman spectra of ionic liquids confined in nano-porous silica gel. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 62, 239-244.	2.0	82
85	Silica Gel Confined Ionic Liquid+Metal Complexes for Oxygen-Free Carbonylation of Amines and Nitrobenzene to Ureas. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 225-230.	2.1	39
86	Silica-Gel-Confined Ionic Liquids: A New Attempt for the Development of Supported Nanoliquid Catalysis. <i>Chemistry - A European Journal</i> , 2005, 11, 5279-5288.	1.7	209
87	From CO Oxidation to CO <sub>2</sub> Activation: An Unexpected Catalytic Activity of Polymer-Supported Nanogold. <i>Journal of the American Chemical Society</i> , 2005, 127, 4182-4183.	6.6	227
88	Development of Ionic Liquids as Green Reaction Media and Catalysts. <i>Catalysis Surveys From Asia</i> , 2004, 8, 179-186.	1.0	53
89	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 3379-3382.	1.6	50
90	Alternatives to Phosgene and Carbon Monoxide: Synthesis of Symmetric Urea Derivatives with Carbon Dioxide in Ionic Liquids. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3257-3260.	7.2	241

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91	Highly selective and green aqueous-ionic liquid biphasic hydroxylation of benzene to phenol with hydrogen peroxide. This work was presented at the Green Solvents for Catalysis Meeting held in Bruchsal, Germany 13-16th October 2002.. <i>Green Chemistry</i> , 2003, 5, 224-226.	4.6	77
92	Polymer-Immobilized Gold Catalysts for the Efficient and Clean Syntheses of Carbamates and Symmetric Ureas by Oxidative Carbonylation of Aniline and Its Derivatives. <i>Journal of Catalysis</i> , 2002, 211, 548-551.	3.1	88
93	First gold(i) complex-catalyzed oxidative carbonylation of amines for the syntheses of carbamates. <i>Chemical Communications</i> , 2001, , 443-444.	2.2	81
94	The first syntheses of diformamides by carbonylation of aliphatic diamines with Au(i) complex catalysts. <i>Chemical Communications</i> , 2001, , 345-346.	2.2	28
95	A novel ZrO <sub>2</sub> -SO <sub>4</sub> supported palladium catalyst for syntheses of disubstituted ureas from amines by oxidative carbonylation. <i>Tetrahedron Letters</i> , 2001, 42, 2161-2163.	0.7	52