Kohsuke Mori

List of Publications by Year
in descending order

264 papers	14,208 citations	20797 60 h-index	28275 105 g-index
281 all docs	281 docs citations	281 times ranked	12627 citing authors

#	Article	IF	Citations
1	Ru complex and N, P-containing polymers confined within mesoporous hollow carbon spheres for hydrogenation of CO2 to formate. Nano Research, 2023, 16, 4515-4523.	5.8	8
2	Overcoming Acidic H₂O₂/Fe(II/III) Redox-Induced Low H₂O₂ Utilization Efficiency by Carbon Quantum Dots Fenton-like Catalysis. Environmental Science & Technology, 2022, 56, 2617-2625.	4.6	54
3	New insights in establishing the structure-property relations of novel plasmonic nanostructures for clean energy applications. EnergyChem, 2022, 4, 100070.	10.1	13
4	Geometrical Determination of Surface Atom Diffusion Paths. Materials Transactions, 2022, , .	0.4	0
5	Crystal Facet Engineering and Hydrogen Spillover-Assisted Synthesis of Defective Pt/TiO_{2â€x} Nanorods with Enhanced Visible Light-Driven Photocatalytic Activity. ACS Applied Materials & Interfaces, 2022, 14, 2291-2300.	4.0	16
6	Size effects in plasmonic gold nanorod based Pd-rGO hybrid catalyst for promoting visible-light-driven Suzuki-Miyaura coupling reaction. Catalysis Today, 2022, , .	2.2	2
7	Revealing hydrogen spillover pathways in reducible metal oxides. Chemical Science, 2022, 13, 8137-8147.	3.7	39
8	Promotional effect of surface plasmon resonance on direct formation of hydrogen peroxide from H2 and O2 over Pd/Graphene-Au nanorod catalytic system. Journal of Catalysis, 2021, 394, 259-265.	3.1	11
9	Catalytic and photocatalytic epoxidation over microporous titanosilicates with nanosheet or layered structure. Catalysis Today, 2021, 376, 28-35.	2.2	7
10	PdAg alloy nanoparticles encapsulated in N-doped microporous hollow carbon spheres for hydrogenation of CO2 to formate. Applied Catalysis B: Environmental, 2021, 283, 119628.	10.8	54
11	Manipulation of plasmon-induced hot electron transport in Pd/MoO3-x@ZIF-8: Boosting the activity of Pd-catalyzed nitroaromatic hydrogenation under visible-light irradiation. Applied Catalysis B: Environmental, 2021, 282, 119511.	10.8	29
12	Plasmonic nanocatalysts for visible-NIR light induced hydrogen generation from storage materials. Materials Advances, 2021, 2, 880-906.	2.6	22
13	Synthesis of small Ni-coreâ€“Au-shell catalytic nanoparticles on TiO₂ by galvanic replacement reaction. Nanoscale Advances, 2021, 3, 823-835.	2.2	8
14	Pdâ€“Cu Alloy Nanoparticles Confined within Mesoporous Hollow Carbon Spheres for the Hydrogenation of CO₂ to Formate. Journal of Physical Chemistry C, 2021, 125, 3961-3971.	1.5	25
15	Photocatalytically-driven H2 production over Cu/TiO2 catalysts decorated with multi-walled carbon nanotubes. Catalysis Today, 2021, 364, 182-189.	2.2	19
16	Enhanced Catalysis of Plasmonic Silver Nanoparticles by a Combination of Macro-/Mesoporous Nanostructured Silica Support. Journal of Physical Chemistry C, 2021, 125, 9150-9157.	1.5	10
17	How the Morphology of NiO_x-Decorated CeO₂ Nanostructures Affects Catalytic Properties in CO₂ Methanation. Langmuir, 2021, 37, 5376-5384.	1.6	28
18	Modification of Tiâ€doped Hematite Photoanode with Quasiâ€molecular Cocatalyst: A Comparison of Improvement Mechanism Between Nonâ€noble and Noble Metals. ChemSusChem, 2021, 14, 2180-2187.	3.6	9

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19	PdAg Nanoparticles Supported on an Amine-functionalized MOF as a Photo-switchable Catalyst for Hydrogen Storage/Delivery Mediated by CO2/Formic Acid. Chemistry Letters, 2021, 50, 607-610.	0.7	3
20	Heterometallic and Hydrophobic Metalâ€“Organic Frameworks as Durable Photocatalysts for Boosting Hydrogen Peroxide Production in a Two-Phase System. ACS Applied Energy Materials, 2021, 4, 4823-4830.	2.5	24
21	Design and application of photocatalysts using porous materials. Catalysis Reviews - Science and Engineering, 2021, 63, 165-233.	5.7	21
22	Hydrogen spillover-driven synthesis of high-entropy alloy nanoparticles as a robust catalyst for CO2 hydrogenation. Nature Communications, 2021, 12, 3884.	5.8	109
23	Design of Plasmonic Catalysts Utilizing Nanostructures. Journal of the Japan Petroleum Institute, 2021, 64, 155-165.	0.4	0
24	Photoreduction of Carbon Dioxide to Formic Acid with Fe-Based MOFs: The Promotional Effects of Heteroatom Doping and Alloy Nanoparticle Confinement. ACS Applied Energy Materials, 2021, 4, 11634-11642.	2.5	13
25	Hybrid Phase MoS₂ as a Noble Metal-Free Photocatalyst for Conversion of Nitroaromatics to Aminoaromatics. Journal of Physical Chemistry C, 2021, 125, 20887-20895.	1.5	7
26	Semiconductorâ€based Photoanodes Modified with Metalâ€Organic Frameworks and Molecular Catalysts as Cocatalysts for Enhanced Photoelectrochemical Water Oxidation Reaction. ChemCatChem, 2021, 13, 5058-5072.	1.8	2
27	Self-assembled coreâ€“shell nanocomposite catalysts consisting of single-site Co-coordinated g-C3N4 and Au nanorods for plasmon-enhanced CO2 reduction. Journal of CO2 Utilization, 2021, 52, 101691.	3.3	12
28	Supported Coreâ€“Shell Alloy Nanoparticle Catalysts for the Carbon Dioxide Hydrogenation to Formic Acid. Nanostructure Science and Technology, 2021, , 151-163.	0.1	0
29	Experimental and computational study on roles of WOx promoting strong metal support promoter interaction in Pt catalysts during glycerol hydrogenolysis. Scientific Reports, 2021, 11, 530.	1.6	8
30	Hollow Carbon Spheres Encapsulating Metal Nanoparticles for CO2 Hydrogenation Reactions. Nanostructure Science and Technology, 2021, , 425-440.	0.1	0
31	Introduction of a secondary ligand into titanium-based metalâ€“organic frameworks for visible-light-driven photocatalytic hydrogen peroxide production from dioxygen reduction. Journal of Materials Chemistry A, 2021, 9, 2815-2821.	5.2	39
32	Defect Engineering of Pt/TiO_{2â€“x} Photocatalysts via Reduction Treatment Assisted by Hydrogen Spillover. ACS Applied Materials & Interfaces, 2021, 13, 48669-48678.	4.0	21
33	Recent strategies for enhancing the catalytic activity of CO2 hydrogenation to formate/formic acid over Pd-based catalyst. Journal of CO2 Utilization, 2021, 54, 101765.	3.3	27
34	Visible-light-driven hydrogen peroxide production from water and dioxygen by perylenetetracarboxylic diimide modified titanium-based metalâ€“organic frameworks. Journal of Materials Chemistry A, 2021, 9, 26371-26380.	5.2	38
35	Dual Role of Missing-Linker Defects Terminated by Acetate Ligands in a Zirconium-Based MOF in Promoting Photocatalytic Hydrogen Peroxide Production. Journal of Physical Chemistry C, 2021, 125, 27909-27918.	1.5	27
36	Non-noble metal doped perovskite as a promising catalyst for ammonia borane dehydrogenation. Catalysis Today, 2020, 351, 6-11.	2.2	8

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37	Visible-light-driven reduction of nitrostyrene utilizing plasmonic silver nanoparticle catalysts immobilized on oxide supports. Catalysis Today, 2020, 355, 620-626.	2.2	14
38	Some novel porous materials for selective catalytic oxidations. Materials Today, 2020, 32, 244-259.	8.3	44
39	Synthesis of plasmonic gold nanoparticles supported on morphology-controlled TiO2 for aerobic alcohol oxidation. Catalysis Today, 2020, 352, 255-261.	2.2	32
40	A hydrophobic titanium doped zirconium-based metal organic framework for photocatalytic hydrogen peroxide production in a two-phase system. Journal of Materials Chemistry A, 2020, 8, 1904-1910.	5.2	89
41	CoO_x-decorated CeO₂ heterostructures: effects of morphology on their catalytic properties in diesel soot combustion. Nanoscale, 2020, 12, 1779-1789.	2.8	37
42	Design of Advanced Functional Materials Using Nanoporous Singleâ€Site Photocatalysts. Chemical Record, 2020, 20, 660-671.	2.9	7
43	Luminescent Single-Atom Eu-Coordinated Graphitic Carbon Nitride Nanosheets for Selective Sensing of Acetone and Cyclohexane. ACS Applied Nano Materials, 2020, 3, 10209-10217.	2.4	19
44	Single-Site Heterogeneous Catalysts and Photocatalysts for Emerging Applications. ACS Symposium Series, 2020, , 151-188.	0.5	3
45	Pyreneâ€Thiolâ€modified Pd Nanoparticles on Carbon Support: Kinetic Control by Steric Hinderance and Improved Stability by the Catalystâ€Support Interaction. ChemCatChem, 2020, 12, 5880-5887.	1.8	11
46	Improvement of the water oxidation performance of Ti, F co-modified hematite by surface modification with a Co(salen) molecular cocatalyst. Journal of Materials Chemistry A, 2020, 8, 21613-21622.	5.2	13
47	Interfacial Engineering of PdAg/TiO₂ with a Metalâ€“Organic Framework to Promote the Hydrogenation of CO₂ to Formic Acid. Journal of Physical Chemistry C, 2020, 124, 11499-11505.	1.5	22
48	Metalâ€“organic framework-based nanomaterials for photocatalytic hydrogen peroxide production. Physical Chemistry Chemical Physics, 2020, 22, 14404-14414.	1.3	43
49	Diesel Soot Combustion over Mn 2 O 3 Catalysts with Different Morphologies: Elucidating the Role of Active Oxygen Species in Soot Combustion. Chemistry - an Asian Journal, 2020, 15, 2005-2014.	1.7	10
50	Hybrid phase 1T/2H-MoS₂with controllable 1T concentration and its promoted hydrogen evolution reaction. Nanoscale, 2020, 12, 11908-11915.	2.8	62
51	Interconversion of Formate/Bicarbonate for Hydrogen Storage/Release: Improved Activity Following Sacrificial Surface Modification of a Ag@Pd/TiO₂ Catalyst with a TiO_x Shell. ACS Applied Energy Materials, 2020, 3, 5819-5829.	2.5	27
52	Additive-Free Aqueous Phase Synthesis of Formic Acid by Direct CO2 Hydrogenation over a PdAg Catalyst on a Hydrophilic N-Doped Polymerâ€“Silica Composite Support with High CO2 Affinity. ACS Applied Energy Materials, 2020, 3, 5847-5855.	2.5	22
53	Mesoporous silicaâ€“supported Ag-based plasmonic photocatalysts. , 2020, , 353-368.		3
54	Tunable surface modification of a hematite photoanode by a Co(salen)-based cocatalyst for boosting photoelectrochemical performance. Catalysis Science and Technology, 2020, 10, 1714-1723.	2.1	8

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55	Construction of Hybrid MoS₂ Phase Coupled with SiC Heterojunctions with Promoted Photocatalytic Activity for 4-Nitrophenol Degradation. Langmuir, 2020, 36, 1174-1182.	1.6	41
56	Properties, fabrication and applications of plasmonic semiconductor nanocrystals. Catalysis Science and Technology, 2020, 10, 4141-4163.	2.1	15
57	Synthesis of a binary alloy nanoparticle catalyst with an immiscible combination of Rh and Cu assisted by hydrogen spillover on a TiO₂ support. Chemical Science, 2020, 11, 4194-4203.	3.7	32
58	Recent Applications of Amorphous Alloys to Design Skeletal Catalysts. Bulletin of the Chemical Society of Japan, 2020, 93, 438-454.	2.0	15
59	PdAg nanoparticles and aminopolymer confined within mesoporous hollow carbon spheres as an efficient catalyst for hydrogenation of CO₂ to formate. Journal of Materials Chemistry A, 2020, 8, 4437-4446.	5.2	31
60	Functionalized mesoporous SBA-15 silica: recent trends and catalytic applications. Nanoscale, 2020, 12, 11333-11363.	2.8	193
61	Photocatalytic Approaches for Hydrogen Production via Formic Acid Decomposition. Topics in Current Chemistry Collections, 2020, , 193-223.	0.2	4
62	Chemical Hydrogen Storage and Release Driven by PdAg Alloy Nanoparticle Catalysts. Materia Japan, 2020, 59, 361-365.	0.1	0
63	Defect Engineering of MoS₂ and Its Impacts on Electrocatalytic and Photocatalytic Behavior in Hydrogen Evolution Reactions. Chemistry - an Asian Journal, 2019, 14, 278-285.	1.7	39
64	Insights on palladium decorated nitrogen-doped carbon xerogels for the hydrogen production from formic acid. Catalysis Today, 2019, 324, 90-96.	2.2	40
65	Plasmonic catalysis of Ag nanoparticles deposited on CeO2 modified mesoporous silica for the nitrostyrene reduction under light irradiation conditions. Catalysis Today, 2019, 324, 83-89.	2.2	35
66	RuPd Alloy Nanoparticles Supported on Plasmonic H x MoO3-y for Efficient Photocatalytic Reduction of p -Nitrophenol. European Journal of Inorganic Chemistry, 2019, 2019, 3745-3752.	1.0	10
67	Design of Pdâ€“Grapheneâ€“Au Nanorod Nanocomposite Catalyst for Boosting Suzukiâ€“Miyaura Coupling Reaction by Assistance of Surface Plasmon Resonance. Journal of Physical Chemistry C, 2019, 123, 24575-24583.	1.5	31
68	PdAg Nanoparticles within Core-Shell Structured Zeolitic Imidazolate Framework as a Dual Catalyst for Formic Acid-based Hydrogen Storage/Production. Scientific Reports, 2019, 9, 15675.	1.6	43
69	Engineering of Surface Environment of Pd Nanoparticle Catalysts on Carbon Support with Pyreneâ€“Thiol Ligands for Semihydrogenation of Alkynes. ACS Applied Materials & Interfaces, 2019, 11, 37708-37719.	4.0	33
70	Controlled release of hydrogen isotope compounds and tunneling effect in the heterogeneously-catalyzed formic acid dehydrogenation. Nature Communications, 2019, 10, 4094.	5.8	56
71	Photocatalytic Approaches for Hydrogen Production via Formic Acid Decomposition. Topics in Current Chemistry, 2019, 377, 27.	3.0	17
72	Plasmonic Ru/hydrogen molybdenum bronzes with tunable oxygen vacancies for light-driven reduction of p-nitrophenol. Journal of Materials Chemistry A, 2019, 7, 3783-3789.	5.2	41

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73	PdAg nanoparticles supported on resorcinol-formaldehyde polymers containing amine groups: the promotional effect of phenylamine moieties on CO₂ transformation to formic acid. Journal of Materials Chemistry A, 2019, 7, 16356-16363.	5.2	39
74	Ti cluster-alkylated hydrophobic MOFs for photocatalytic production of hydrogen peroxide in two-phase systems. Chemical Communications, 2019, 55, 6743-6746.	2.2	54
75	New Approaches Toward the Hydrogen Production From Formic Acid Dehydrogenation Over Pd-Based Heterogeneous Catalysts. Frontiers in Materials, 2019, 6, .	1.2	93
76	Tailoring the Size and Shape of Colloidal Noble Metal Nanocrystals as a Valuable Tool in Catalysis. Catalysis Surveys From Asia, 2019, 23, 127-148.	1.0	23
77	Twoâ€Phase System Utilizing Hydrophobic Metalâ€“Organic Frameworks (MOFs) for Photocatalytic Synthesis of Hydrogen Peroxide. Angewandte Chemie, 2019, 131, 5456-5460.	1.6	30
78	Twoâ€Phase System Utilizing Hydrophobic Metalâ€“Organic Frameworks (MOFs) for Photocatalytic Synthesis of Hydrogen Peroxide. Angewandte Chemie - International Edition, 2019, 58, 5402-5406.	7.2	169
79	Ultraâ€Low Loading of Ru Clusters over Graphitic Carbon Nitride: A Drastic Enhancement in Photocatalytic Hydrogen Evolution Activity. ChemCatChem, 2019, 11, 1963-1969.	1.8	21
80	Incorporation of a Ru complex into an amine-functionalized metalâ€“organic framework for enhanced activity in photocatalytic aerobic benzyl alcohol oxidation. Catalysis Science and Technology, 2019, 9, 1511-1517.	2.1	31
81	Design of Silver-Based Controlled Nanostructures for Plasmonic Catalysis under Visible Light Irradiation. Bulletin of the Chemical Society of Japan, 2019, 92, 19-29.	2.0	31
82	Enhanced formic acid dehydrogenation by the synergistic alloying effect of PdCo catalysts supported on graphitic carbon nitride. International Journal of Hydrogen Energy, 2019, 44, 28483-28493.	3.8	46
83	Nitrogen-doped carbon materials as a promising platform toward the efficient catalysis for hydrogen generation. Applied Catalysis A: General, 2019, 571, 25-41.	2.2	61
84	Catalytic combustion of diesel soot over Fe and Ag-doped manganese oxides: role of heteroatoms in the catalytic performances. Catalysis Science and Technology, 2018, 8, 1905-1914.	2.1	31
85	Recent strategies targeting efficient hydrogen production from chemical hydrogen storage materials over carbon-supported catalysts. NPG Asia Materials, 2018, 10, 277-292.	3.8	104
86	Ruthenium(II)â^'Bipyridine/NanoC₃N₄ Hybrids: Tunable Photochemical Properties by Using Exchangeable Alkali Metal Cations. Chemistry - an Asian Journal, 2018, 13, 1348-1356.	1.7	10
87	Oxidation of Benzyl Alcohol over Nanoporous Auâ€“CeO₂ Catalysts Prepared from Amorphous Alloys and Effect of Alloying Au with Amorphous Alloys. Industrial & Engineering Chemistry Research, 2018, 57, 5599-5605.	1.8	30
88	PdAg Nanoparticles Supported on Functionalized Mesoporous Carbon: Promotional Effect of Surface Amine Groups in Reversible Hydrogen Delivery/Storage Mediated by Formic Acid/CO₂. ACS Catalysis, 2018, 8, 2277-2285.	5.5	157
89	Enhancement of plasmonic activity by Pt/Ag bimetallic nanocatalyst supported on mesoporous silica in the hydrogen production from hydrogen storage material. Applied Catalysis B: Environmental, 2018, 223, 10-15.	10.8	97
90	Visible-light-enhanced catalytic activity of Ru nanoparticles over carbon modified g-C3N4. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 358, 327-333.	2.0	29

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91	Controlled Pyrolysis of Niâ€MOFâ€74 as a Promising Precursor for the Creation of Highly Active Ni Nanocatalysts in Sizeâ€Selective Hydrogenation. Chemistry - A European Journal, 2018, 24, 898-905.	1.7	78
92	Recent Progress on Black Phosphorusâ€Based Materials for Photocatalytic Water Splitting. Small Methods, 2018, 2, 1800212.	4.6	50
93	Plasmonic metal/Mo_xW_{1â^'x}O_{3â^'y} for visible-light-enhanced H₂ production from ammonia borane. Journal of Materials Chemistry A, 2018, 6, 10932-10938.	5.2	47
94	Photocatalytic production of hydrogen peroxide through selective two-electron reduction of dioxygen utilizing amine-functionalized MIL-125 deposited with nickel oxide nanoparticles. Chemical Communications, 2018, 54, 9270-9273.	2.2	81
95	Surface Engineering of a Supported PdAg Catalyst for Hydrogenation of CO₂ to Formic Acid: Elucidating the Active Pd Atoms in Alloy Nanoparticles. Journal of the American Chemical Society, 2018, 140, 8902-8909.	6.6	202
96	Design of Singleâ€Site Photocatalysts by Using Metalâ€“Organic Frameworks as a Matrix. Chemistry - an Asian Journal, 2018, 13, 1767-1779.	1.7	49
97	Effects of Carbon Support Nanostructures on the Reactivity of a Ru Nanoparticle Catalyst in a Hydrogen Transfer Reaction. Organic Process Research and Development, 2018, 22, 1580-1585.	1.3	9
98	Black Phosphorusâ€Based Compound with Few Layers for Photocatalytic Water Oxidation. ChemCatChem, 2018, 10, 3424-3428.	1.8	14
99	Single-site and nano-confined photocatalysts designed in porous materials for environmental uses and solar fuels. Chemical Society Reviews, 2018, 47, 8072-8096.	18.7	176
100	Simple Route for the Synthesis of Highly Active Bimetallic Nanoparticle Catalysts with Immiscible Ru and Ni Combination by utilizing a TiO₂ Support. ChemCatChem, 2018, 10, 3526-3531.	1.8	26
101	High-surface-area plasmonic MoO_{3â^'x}: rational synthesis and enhanced ammonia borane dehydrogenation activity. Journal of Materials Chemistry A, 2017, 5, 8946-8953.	5.2	94
102	Palladium Nanoparticles Supported on Titaniumâ€Doped Graphitic Carbon Nitride for Formic Acid Dehydrogenation. Chemistry - an Asian Journal, 2017, 12, 860-867.	1.7	57
103	Shape Effect of MnOx-Decorated CeO2 Catalyst in Diesel Soot Oxidation. Bulletin of the Chemical Society of Japan, 2017, 90, 556-564.	2.0	20
104	Synthesis of carbon-supported Pdâ€“Co bimetallic catalysts templated by Co nanoparticles using the galvanic replacement method for selective hydrogenation. RSC Advances, 2017, 7, 22294-22300.	1.7	35
105	Synthesis of mesoporous silica-supported Ag nanorod-based bimetallic catalysts and investigation of their plasmonic activity under visible light irradiation. Catalysis Science and Technology, 2017, 7, 2551-2558.	2.1	36
106	Palladium Copper Chromium Ternary Nanoparticles Constructed Inâ€…situ within a Basic Resin: Enhanced Activity in the Dehydrogenation of Formic Acid. ChemCatChem, 2017, 9, 3456-3462.	1.8	53
107	Isolated Single-Atomic Ru Catalyst Bound on a Layered Double Hydroxide for Hydrogenation of CO₂ to Formic Acid. ACS Catalysis, 2017, 7, 3147-3151.	5.5	225
108	Phenylamine-functionalized mesoporous silica supported PdAg nanoparticles: a dual heterogeneous catalyst for formic acid/CO₂-mediated chemical hydrogen delivery/storage. Chemical Communications, 2017, 53, 4677-4680.	2.2	107

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109	Specific Enhancement of Activity of Carbon-supported Single-site Co Catalyst in the Microwave-assisted Solvent-free Aerobic Oxidation. Chemistry Letters, 2017, 46, 789-791.	0.7	8
110	Enhancement of Agâ€Based Plasmonic Photocatalysis in Hydrogen Production from Ammonia Borane by the Assistance of Singleâ€Site Tiâ€Oxide Moieties within a Silica Framework. Chemistry - A European Journal, 2017, 23, 3616-3622.	1.7	51
111	Localized Surface Plasmon Resonances in Plasmonic Molybdenum Tungsten Oxide Hybrid for Visible-Light-Enhanced Catalytic Reaction. Journal of Physical Chemistry C, 2017, 121, 23531-23540.	1.5	72
112	Enhanced hydrogen production from ammonia borane using controlled plasmonic performance ofÂAu nanoparticles deposited on TiO₂. Journal of Materials Chemistry A, 2017, 5, 21883-21892.	5.2	75
113	Mesoporous silica supported Pd/Ag bimetallic nanoparticles as a plasmonic catalyst for chemoselective hydrogenation of p-nitrostyrene under visible light irradiation. Journal of Chemical Sciences, 2017, 129, 1661-1669.	0.7	16
114	Design and architecture of metal organic frameworks for visible light enhanced hydrogen production. Applied Catalysis B: Environmental, 2017, 218, 555-569.	10.8	173
115	Controlled synthesis of carbon-supported Co catalysts from single-sites to nanoparticles: characterization of the structural transformation and investigation of their oxidation catalysis. Physical Chemistry Chemical Physics, 2017, 19, 4967-4974.	1.3	37
116	Surface plasmon resonance enhancement of production of H2 from ammonia borane solution with tunable Cu2â^'xS nanowires decorated by Pd nanoparticles. Nano Energy, 2017, 31, 57-63.	8.2	65
117	Plasmonic Au@Pd Nanoparticles Supported on a Basic Metalâ€“Organic Framework: Synergic Boosting of H₂ Production from Formic Acid. ACS Energy Letters, 2017, 2, 1-7.	8.8	180
118	Morphology-controlled Pd nanocrystals as catalysts in tandem dehydrogenation-hydrogenation reactions. Journal of Chemical Sciences, 2017, 129, 1695-1703.	0.7	10
119	Metal Catalysts for Storage and Delivery of Hydrogen Energy. Materia Japan, 2017, 56, 653-659.	0.1	0
120	Skeletal Ni Catalysts Prepared from Amorphous Niâ€“Zr Alloys: Enhanced Catalytic Performance for Hydrogen Generation from Ammonia Borane. ChemPhysChem, 2016, 17, 412-417.	1.0	15
121	Metal Complexes Supported on Solid Matrices for Visibleâ€Lightâ€Driven Molecular Transformations. Chemistry - A European Journal, 2016, 22, 11122-11137.	1.7	42
122	Hydrogen Doped Metal Oxide Semiconductors with Exceptional and Tunable Localized Surface Plasmon Resonances. Journal of the American Chemical Society, 2016, 138, 9316-9324.	6.6	201
123	Silica-Supported Metal Complex Photocatalysts. Nanostructure Science and Technology, 2016, , 465-477.	0.1	1
124	Ru and Ruâ€“Ni Nanoparticles on TiO₂ Support as Extremely Active Catalysts for Hydrogen Production from Ammoniaâ€“Borane. ACS Catalysis, 2016, 6, 3128-3135.	5.5	310
125	Pd/Ag and Pd/Au bimetallic nanocatalysts on mesoporous silica for plasmon-mediated enhanced catalytic activity under visible light irradiation. Journal of Materials Chemistry A, 2016, 4, 10142-10150.	5.2	95
126	Skeletal Au prepared from Auâ€“Zr amorphous alloys with controlled atomic compositions and arrangement for active oxidation of benzyl alcohol. Journal of Materials Chemistry A, 2016, 4, 8458-8465.	5.2	12

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127	Highly efficient Ru/carbon catalysts prepared by pyrolysis of supported Ru complex towards the hydrogen production from ammonia borane. Applied Catalysis A: General, 2016, 527, 45-52.	2.2	61
128	Investigation of Size Sensitivity in the Hydrogen Production from Formic Acid over Carbonâ€Supported Pd Nanoparticles. ChemistrySelect, 2016, 1, 1879-1886.	0.7	44
129	Non-Noble-Metal Nanoparticle Supported on Metalâ€“Organic Framework as an Efficient and Durable Catalyst for Promoting H₂ Production from Ammonia Borane under Visible Light Irradiation. ACS Applied Materials & Interfaces, 2016, 8, 21278-21284.	4.0	88
130	Roomâ€Temperature and Aqueousâ€Phase Synthesis of Plasmonic Molybdenum Oxide Nanoparticles for Visibleâ€Lightâ€Enhanced Hydrogen Generation. Chemistry - an Asian Journal, 2016, 11, 2377-2381.	1.7	33
131	Enhancement of Catalytic Activity Over AuPd Nanoparticles Loaded Metal Organic Framework Under Visible Light Irradiation. Topics in Catalysis, 2016, 59, 1765-1771.	1.3	22
132	Enhanced ammonia-borane decomposition by synergistic catalysis using CoPd nanoparticles supported on titano-silicates. RSC Advances, 2016, 6, 91768-91772.	1.7	13
133	Evolution of the PVPâ€“Pd Surface Interaction in Nanoparticles through the Case Study of Formic Acid Decomposition. Langmuir, 2016, 32, 12110-12118.	1.6	61
134	Screening of Carbon-Supported PdAg Nanoparticles in the Hydrogen Production from Formic Acid. Industrial & Engineering Chemistry Research, 2016, 55, 7612-7620.	1.8	35
135	Hydrogenation of 1-octene over skeletal Pd catalysts prepared from Pdâ€“Zr amorphous alloys and the effect of Ni addition. Catalysis Today, 2016, 265, 138-143.	2.2	7
136	Microwave-antenna induced in situ synthesis of Cu nanowire threaded ZIF-8 with enhanced catalytic activity in H₂production. Nanoscale, 2016, 8, 7749-7754.	2.8	32
137	Size Effect of Carbon-Supported Pd Nanoparticles in the Hydrogen Production from Formic Acid. Bulletin of the Chemical Society of Japan, 2015, 88, 1500-1502.	2.0	26
138	New Method for the Synthesis of Ru Nanoparticles Using Photoexcited Fullerene C60-containing Mesoporous Silica as a Catalyst Support. Chemistry Letters, 2015, 44, 1691-1693.	0.7	4
139	A Plasmonic Molybdenum Oxide Hybrid with Reversible Tunability for Visibleâ€Lightâ€Enhanced Catalytic Reactions. Advanced Materials, 2015, 27, 4616-4621.	11.1	174
140	Visibleâ€Lightâ€Responsive Carbon Dioxide Reduction System: Rhenium Complex Intercalated into a Zirconium Phosphate Layered Matrix. ChemCatChem, 2015, 7, 3519-3525.	1.8	26
141	Colorâ€Controlled Ag Nanoparticles and Nanorods within Confined Mesopores: Microwaveâ€Assisted Rapid Synthesis and Application in Plasmonic Catalysis under Visibleâ€Light Irradiation. Chemistry - A European Journal, 2015, 21, 11885-11893.	1.7	69
142	Environmental Transmission Electron Microscopy Study of Diesel Carbon Soot Combustion under Simulated Catalyticâ€Reaction Conditions. ChemPhysChem, 2015, 16, 1321-1321.	1.0	1
143	Synergic Catalysis of PdCu Alloy Nanoparticles within a Macroreticular Basic Resin for Hydrogen Production from Formic Acid. Chemistry - A European Journal, 2015, 21, 12085-12092.	1.7	102
144	Harnessing single-active plasmonic nanostructures for enhanced photocatalysis under visible light. Journal of Materials Chemistry A, 2015, 3, 5244-5258.	5.2	127

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145	Environmental Transmission Electron Microscopy Study of Diesel Carbon Soot Combustion under Simulated Catalyticâ€Reaction Conditions. ChemPhysChem, 2015, 16, 1347-1351.	1.0	20
146	Uniform anatase single-crystal cubes with high thermal stability fully enclosed by active {010} and {001} facets. RSC Advances, 2015, 5, 11029-11035.	1.7	12
147	Synthesis of Ce ions doped metalâ€“organic framework for promoting catalytic H₂ production from ammonia borane under visible light irradiation. Journal of Materials Chemistry A, 2015, 3, 14134-14141.	5.2	102
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