Kohsuke Mori

List of Publications by Year in Descending Order

266 papers	11,039 citations	54 h-index	93 g-index
281 ext. papers	12,622 ext. citations	6.5 avg, IF	6.86 L-index

#	Paper	IF	Citations
266	Overcoming Acidic HO/Fe(II/III) Redox-Induced Low HO Utilization Efficiency by Carbon Quantum Dots Fenton-like Catalysis.. *Environmental Science & Technology*, **2022**,	10.3	7
265	New insights in establishing the structure-property relations of novel plasmonic nanostructures for clean energy applications. *EnergyChem*, **2022**, 4, 100070	36.9	3
264	Visible-light-driven hydrogen peroxide production from water and dioxygen by perylenetetracarboxylic diimide modified titanium-based metal□rganic frameworks. *Journal of Materials Chemistry A*, **2021**, 9, 26371-26380	13	5
263	Defect Engineering of Pt/TiO Photocatalysts via Reduction Treatment Assisted by Hydrogen Spillover. *ACS Applied Materials & Interfaces*, **2021**, 13, 48669-48678	9.5	1
262	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	7.6	6
261	Photocatalytically-driven H2 production over Cu/TiO2 catalysts decorated with multi-walled carbon nanotubes. *Catalysis Today*, **2021**, 364, 182-189	5.3	13
260	Design and Architecture of Nanostructured Heterogeneous Catalysts for CO 2 Hydrogenation to Formic Acid/Formate **2021**, 179-205		1
259	Enhanced Catalysis of Plasmonic Silver Nanoparticles by a Combination of Macro-/Mesoporous Nanostructured Silica Support. *Journal of Physical Chemistry C*, **2021**, 125, 9150-9157	3.8	2
258	How the Morphology of NiO-Decorated CeO Nanostructures Affects Catalytic Properties in CO Methanation. *Langmuir*, **2021**, 37, 5376-5384	4	8
257	Modification of Ti-doped Hematite Photoanode with Quasi-molecular Cocatalyst: A Comparison of Improvement Mechanism Between Non-noble and Noble Metals. *ChemSusChem*, **2021**, 14, 2180-2187	8.3	2
256	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	1.7	2
255	Heterometallic and Hydrophobic Metal□rganic Frameworks as Durable Photocatalysts for Boosting Hydrogen Peroxide Production in a Two-Phase System. *ACS Applied Energy Materials*, **2021**, 4, 4823-4830	6.1	1
254	Design and application of photocatalysts using porous materials. *Catalysis Reviews - Science and Engineering*, **2021**, 63, 165-233	12.6	8
253	Hydrogen spillover-driven synthesis of high-entropy alloy nanoparticles as a robust catalyst for CO hydrogenation. *Nature Communications*, **2021**, 12, 3884	17.4	15
252	Design of Plasmonic Catalysts Utilizing Nanostructures. *Journal of the Japan Petroleum Institute*, **2021**, 64, 155-165	1	
251	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	7.3	5
250	Catalytic and photocatalytic epoxidation over microporous titanosilicates with nanosheet or layered structure. *Catalysis Today*, **2021**, 376, 28-35	5.3	2

249	PdAg alloy nanoparticles encapsulated in N-doped microporous hollow carbon spheres for hydrogenation of CO2 to formate. *Applied Catalysis B: Environmental*, **2021**, 283, 119628	21.8	23
248	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	21.8	11
247	Plasmonic nanocatalysts for visible-NIR light induced hydrogen generation from storage materials. *Materials Advances*, **2021**, 2, 880-906	3.3	6
246	Synthesis of small Ni-core Au-shell catalytic nanoparticles on TiO2 by galvanic replacement reaction. *Nanoscale Advances*, **2021**, 3, 823-835	5.1	3
245	Pd 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	3.8	5
244	Photocatalytic Production of Hydrogen Peroxide Using MOF Materials **2021**, 339-364		
243	Hybrid Phase MoS2 as a Noble Metal-Free Photocatalyst for Conversion of Nitroaromatics to Aminoaromatics. *Journal of Physical Chemistry C*, **2021**, 125, 20887-20895	3.8	1
242	Self-assembled core 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	7.6	4
241	Supported Core Shell Alloy Nanoparticle Catalysts for the Carbon Dioxide Hydrogenation to Formic Acid. *Nanostructure Science and Technology*, **2021**, 151-163	0.9	
240	Experimental and computational study on roles of WO promoting strong metal support promoter interaction in Pt catalysts during glycerol hydrogenolysis. *Scientific Reports*, **2021**, 11, 530	4.9	3
239	Hollow Carbon Spheres Encapsulating Metal Nanoparticles for CO2 Hydrogenation Reactions. *Nanostructure Science and Technology*, **2021**, 425-440	0.9	
238	Introduction of a secondary ligand into titanium-based metal organic frameworks for visible-light-driven photocatalytic hydrogen peroxide production from dioxygen reduction. *Journal of Materials Chemistry A*, **2021**, 9, 2815-2821	13	10
237	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	3.8	6
236	Crystal Facet Engineering and Hydrogen Spillover-Assisted Synthesis of Defective Pt/TiO Nanorods with Enhanced Visible Light-Driven Photocatalytic Activity.. *ACS Applied Materials & Interfaces*, **2021**,	9.5	1
235	Interfacial Engineering of PdAg/TiO2 with a Metal Organic Framework to Promote the Hydrogenation of CO2 to Formic Acid. *Journal of Physical Chemistry C*, **2020**, 124, 11499-11505	3.8	8
234	Metal-organic framework-based nanomaterials for photocatalytic hydrogen peroxide production. *Physical Chemistry Chemical Physics*, **2020**, 22, 14404-14414	3.6	18
233	Diesel Soot Combustion over Mn O Catalysts with Different Morphologies: Elucidating the Role of Active Oxygen Species in Soot Combustion. *Chemistry - an Asian Journal*, **2020**, 15, 2005-2014	4.5	7
232	Hybrid phase 1T/2H-MoS with controllable 1T concentration and its promoted hydrogen evolution reaction. *Nanoscale*, **2020**, 12, 11908-11915	7.7	19

231	Interconversion of Formate/Bicarbonate for Hydrogen Storage/Release: Improved Activity Following Sacrificial Surface Modification of a /TiO2 Catalyst with a TiOx Shell. *ACS Applied Energy Materials*, **2020**, 3, 5819-5829	6.1	13
230	Additive-Free Aqueous Phase Synthesis of Formic Acid by Direct CO2 Hydrogenation over a PdAg Catalyst on a Hydrophilic N-Doped Polymer–Silica Composite Support with High CO2 Affinity. *ACS Applied Energy Materials*, **2020**, 3, 5847-5855	6.1	8
229	Mesoporous silica-supported Ag-based plasmonic photocatalysts **2020**, 353-368		2
228	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	5.5	3
227	Construction of Hybrid MoS Phase Coupled with SiC Heterojunctions with Promoted Photocatalytic Activity for 4-Nitrophenol Degradation. *Langmuir*, **2020**, 36, 1174-1182	4	20
226	Chemical Hydrogen Storage and Release Driven by PdAg Alloy Nanoparticle Catalysts. *Materia Japan*, **2020**, 59, 361-365	0.1	
225	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	13	20
224	Functionalized mesoporous SBA-15 silica: recent trends and catalytic applications. *Nanoscale*, **2020**, 12, 11333-11363	7.7	79
223	Synthesis of plasmonic gold nanoparticles supported on morphology-controlled TiO2 for aerobic alcohol oxidation. *Catalysis Today*, **2020**, 352, 255-261	5.3	20
222	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	13	35
221	CoO-decorated CeO heterostructures: effects of morphology on their catalytic properties in diesel soot combustion. *Nanoscale*, **2020**, 12, 1779-1789	7.7	23
220	Design of Advanced Functional Materials Using Nanoporous Single-Site Photocatalysts. *Chemical Record*, **2020**, 20, 660-671	6.6	3
219	Luminescent Single-Atom Eu-Coordinated Graphitic Carbon Nitride Nanosheets for Selective Sensing of Acetone and Cyclohexane. *ACS Applied Nano Materials*, **2020**, 3, 10209-10217	5.6	6
218	Single-Site Heterogeneous Catalysts and Photocatalysts for Emerging Applications. *ACS Symposium Series*, **2020**, 151-188	0.4	3
217	Pyrene-Thiol-modified Pd Nanoparticles on Carbon Support: Kinetic Control by Steric Hinderance and Improved Stability by the Catalyst-Support Interaction. *ChemCatChem*, **2020**, 12, 5880-5887	5.2	3
216	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	13	6
215	Non-noble metal doped perovskite as a promising catalyst for ammonia borane dehydrogenation. *Catalysis Today*, **2020**, 351, 6-11	5.3	5
214	Visible-light-driven reduction of nitrostyrene utilizing plasmonic silver nanoparticle catalysts immobilized on oxide supports. *Catalysis Today*, **2020**, 355, 620-626	5.3	10

213	Some novel porous materials for selective catalytic oxidations. *Materials Today*, **2020**, 32, 244-259	21.8	24
212	Properties, fabrication and applications of plasmonic semiconductor nanocrystals. *Catalysis Science and Technology*, **2020**, 10, 4141-4163	5.5	10
211	Synthesis of a binary alloy nanoparticle catalyst with an immiscible combination of Rh and Cu assisted by hydrogen spillover on a TiO support. *Chemical Science*, **2020**, 11, 4194-4203	9.4	14
210	Recent Applications of Amorphous Alloys to Design Skeletal Catalysts. *Bulletin of the Chemical Society of Japan*, **2020**, 93, 438-454	5.1	9
209	Engineering of Surface Environment of Pd Nanoparticle Catalysts on Carbon Support with Pyrene-Thiol Ligands for Semihydrogenation of Alkynes. *ACS Applied Materials & Interfaces*, **2019**, 11, 37708-37719	9.5	12
208	Controlled release of hydrogen isotope compounds and tunneling effect in the heterogeneously-catalyzed formic acid dehydrogenation. *Nature Communications*, **2019**, 10, 4094	17.4	26
207	Photocatalytic Approaches for Hydrogen Production via Formic Acid Decomposition. *Topics in Current Chemistry*, **2019**, 377, 27	7.2	9
206	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	13	25
205	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	13	24
204	Ti cluster-alkylated hydrophobic MOFs for photocatalytic production of hydrogen peroxide in two-phase systems. *Chemical Communications*, **2019**, 55, 6743-6746	5.8	33
203	New Approaches Toward the Hydrogen Production From Formic Acid Dehydrogenation Over Pd-Based Heterogeneous Catalysts. *Frontiers in Materials*, **2019**, 6,	4	52
202	Tailoring the Size and Shape of Colloidal Noble Metal Nanocrystals as a Valuable Tool in Catalysis. *Catalysis Surveys From Asia*, **2019**, 23, 127-148	2.8	18
201	Two-Phase System Utilizing Hydrophobic Metal□Organic Frameworks (MOFs) for Photocatalytic Synthesis of Hydrogen Peroxide. *Angewandte Chemie*, **2019**, 131, 5456-5460	3.6	14
200	Two-Phase System Utilizing Hydrophobic Metal-Organic Frameworks (MOFs) for Photocatalytic Synthesis of Hydrogen Peroxide. *Angewandte Chemie - International Edition*, **2019**, 58, 5402-5406	16.4	86
199	Ultra-Low Loading of Ru Clusters over Graphitic Carbon Nitride: A Drastic Enhancement in Photocatalytic Hydrogen Evolution Activity. *ChemCatChem*, **2019**, 11, 1963-1969	5.2	12
198	Insights on palladium decorated nitrogen-doped carbon xerogels for the hydrogen production from formic acid. *Catalysis Today*, **2019**, 324, 90-96	5.3	24
197	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	5.3	29
196	RuPd Alloy Nanoparticles Supported on Plasmonic HxMoO3□ for Efficient Photocatalytic Reduction of p-Nitrophenol. *European Journal of Inorganic Chemistry*, **2019**, 2019, 3745-3752	2.3	3

195	Design of Pd□Graphene□Au Nanorod Nanocomposite Catalyst for Boosting Suzuki□Miyaura Coupling Reaction by Assistance of Surface Plasmon Resonance. *Journal of Physical Chemistry C*, **2019**, 123, 24575-24583	3.8	16
194	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	4.9	26
193	Incorporation of a Ru complex into an amine-functionalized metal□organic framework for enhanced activity in photocatalytic aerobic benzyl alcohol oxidation. *Catalysis Science and Technology*, **2019**, 9, 1511-1517	5.5	26
192	Design of Silver-Based Controlled Nanostructures for Plasmonic Catalysis under Visible Light Irradiation. *Bulletin of the Chemical Society of Japan*, **2019**, 92, 19-29	5.1	21
191	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	6.7	26
190	Nitrogen-doped carbon materials as a promising platform toward the efficient catalysis for hydrogen generation. *Applied Catalysis A: General*, **2019**, 571, 25-41	5.1	41
189	Defect Engineering of MoS and Its Impacts on Electrocatalytic and Photocatalytic Behavior in Hydrogen Evolution Reactions. *Chemistry - an Asian Journal*, **2019**, 14, 278-285	4.5	12
188	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	5.5	22
187	Recent strategies targeting efficient hydrogen production from chemical hydrogen storage materials over carbon-supported catalysts. *NPG Asia Materials*, **2018**, 10, 277-292	10.3	75
186	Ruthenium(II)-Bipyridine/NanoC N Hybrids: Tunable Photochemical Properties by Using Exchangeable Alkali Metal Cations. *Chemistry - an Asian Journal*, **2018**, 13, 1348-1356	4.5	6
185	Oxidation of Benzyl Alcohol over Nanoporous Au□CeO2 Catalysts Prepared from Amorphous Alloys and Effect of Alloying Au with Amorphous Alloys. *Industrial & Engineering Chemistry Research*, **2018**, 57, 5599-5605	3.9	24
184	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	13.1	105
183	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	21.8	77
182	Visible-light-enhanced catalytic activity of Ru nanoparticles over carbon modified g-C3N4. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 358, 327-333	4.7	24
181	Surface Engineering of a Supported PdAg Catalyst for Hydrogenation of CO to Formic Acid: Elucidating the Active Pd Atoms in Alloy Nanoparticles. *Journal of the American Chemical Society*, **2018**, 140, 8902-8909	16.4	135
180	Design of Single-Site Photocatalysts by Using Metal-Organic Frameworks as a Matrix. *Chemistry - an Asian Journal*, **2018**, 13, 1767	4.5	38
179	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	3.9	7
178	Black Phosphorus-Based Compound with Few Layers for Photocatalytic Water Oxidation. *ChemCatChem*, **2018**, 10, 3424-3428	5.2	14

177	Single-site and nano-confined photocatalysts designed in porous materials for environmental uses and solar fuels. *Chemical Society Reviews*, **2018**, 47, 8072-8096	58.5	129
176	Controlled Pyrolysis of Ni-MOF-74 as a Promising Precursor for the Creation of Highly Active Ni Nanocatalysts in Size-Selective Hydrogenation. *Chemistry - A European Journal*, **2018**, 24, 898-905	4.8	54
175	Recent Progress on Black Phosphorus-Based Materials for Photocatalytic Water Splitting. *Small Methods*, **2018**, 2, 1800212	12.8	37
174	Plasmonic metal/MoxW1−xO3−y for visible-light-enhanced H2 production from ammonia borane. *Journal of Materials Chemistry A*, **2018**, 6, 10932-10938	13	34
173	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	5.8	44
172	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	5.2	15
171	High-surface-area plasmonic MoO3−x: rational synthesis and enhanced ammonia borane dehydrogenation activity. *Journal of Materials Chemistry A*, **2017**, 5, 8946-8953	13	69
170	Palladium Nanoparticles Supported on Titanium-Doped Graphitic Carbon Nitride for Formic Acid Dehydrogenation. *Chemistry - an Asian Journal*, **2017**, 12, 860-867	4.5	43
169	Shape Effect of MnOx-Decorated CeO2 Catalyst in Diesel Soot Oxidation. *Bulletin of the Chemical Society of Japan*, **2017**, 90, 556-564	5.1	17
168	Synthesis of carbon-supported Pd□Co bimetallic catalysts templated by Co nanoparticles using the galvanic replacement method for selective hydrogenation. *RSC Advances*, **2017**, 7, 22294-22300	3.7	28
167	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	5.5	29
166	Palladium Copper Chromium Ternary Nanoparticles Constructed In situ within a Basic Resin: Enhanced Activity in the Dehydrogenation of Formic Acid. *ChemCatChem*, **2017**, 9, 3456-3462	5.2	39
165	Isolated Single-Atomic Ru Catalyst Bound on a Layered Double Hydroxide for Hydrogenation of CO2 to Formic Acid. *ACS Catalysis*, **2017**, 7, 3147-3151	13.1	160
164	Phenylamine-functionalized mesoporous silica supported PdAg nanoparticles: a dual heterogeneous catalyst for formic acid/CO-mediated chemical hydrogen delivery/storage. *Chemical Communications*, **2017**, 53, 4677-4680	5.8	76
163	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	1.7	7
162	Enhancement of Ag-Based Plasmonic Photocatalysis in Hydrogen Production from Ammonia Borane by the Assistance of Single-Site Ti-Oxide Moieties within a Silica Framework. *Chemistry - A European Journal*, **2017**, 23, 3616-3622	4.8	47
161	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	3.8	57
160	Enhanced hydrogen production from ammonia borane using controlled plasmonic performance of Au nanoparticles deposited on TiO2. *Journal of Materials Chemistry A*, **2017**, 5, 21883-21892	13	52

159	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	1.8	14
158	Design and architecture of metal organic frameworks for visible light enhanced hydrogen production. *Applied Catalysis B: Environmental*, **2017**, 218, 555-569	21.8	144
157	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	3.6	30
156	Surface plasmon resonance enhancement of production of H2 from ammonia borane solution with tunable Cu2□S nanowires decorated by Pd nanoparticles. *Nano Energy*, **2017**, 31, 57-63	17.1	45
155	Plasmonic [email□protected] Nanoparticles Supported on a Basic Metal□Organic Framework: Synergic Boosting of H2 Production from Formic Acid. *ACS Energy Letters*, **2017**, 2, 1-7	20.1	133
154	Morphology-controlled Pd nanocrystals as catalysts in tandem dehydrogenation-hydrogenation reactions. *Journal of Chemical Sciences*, **2017**, 129, 1695-1703	1.8	7
153	Metal Catalysts for Storage and Delivery of Hydrogen Energy. *Materia Japan*, **2017**, 56, 653-659	0.1	
152	Room-Temperature and Aqueous-Phase Synthesis of Plasmonic Molybdenum Oxide Nanoparticles for Visible-Light-Enhanced Hydrogen Generation. *Chemistry - an Asian Journal*, **2016**, 11, 2377-81	4.5	29
151	Enhancement of Catalytic Activity Over AuPd Nanoparticles Loaded Metal Organic Framework Under Visible Light Irradiation. *Topics in Catalysis*, **2016**, 59, 1765-1771	2.3	20
150	Enhanced ammonia-borane decomposition by synergistic catalysis using CoPd nanoparticles supported on titano-silicates. *RSC Advances*, **2016**, 6, 91768-91772	3.7	11
149	Evolution of the PVP-Pd Surface Interaction in Nanoparticles through the Case Study of Formic Acid Decomposition. *Langmuir*, **2016**, 32, 12110-12118	4	46
148	Screening of Carbon-Supported PdAg Nanoparticles in the Hydrogen Production from Formic Acid. *Industrial & Engineering Chemistry Research*, **2016**, 55, 7612-7620	3.9	27
147	Hydrogenation of 1-octene over skeletal Pd catalysts prepared from Pd□r amorphous alloys and the effect of Ni addition. *Catalysis Today*, **2016**, 265, 138-143	5.3	7
146	Microwave-antenna induced in situ synthesis of Cu nanowire threaded ZIF-8 with enhanced catalytic activity in H2 production. *Nanoscale*, **2016**, 8, 7749-54	7.7	28
145	Skeletal Ni Catalysts Prepared from Amorphous Ni-Zr Alloys: Enhanced Catalytic Performance for Hydrogen Generation from Ammonia Borane. *ChemPhysChem*, **2016**, 17, 412-7	3.2	13
144	Metal Complexes Supported on Solid Matrices for Visible-Light-Driven Molecular Transformations. *Chemistry - A European Journal*, **2016**, 22, 11122-37	4.8	31
143	Hydrogen Doped Metal Oxide Semiconductors with Exceptional and Tunable Localized Surface Plasmon Resonances. *Journal of the American Chemical Society*, **2016**, 138, 9316-24	16.4	151
142	Silica-Supported Metal Complex Photocatalysts. *Nanostructure Science and Technology*, **2016**, 465-477	0.9	1

141	Ru and RuNi Nanoparticles on TiO2 Support as Extremely Active Catalysts for Hydrogen Production from AmmoniaBorane. *ACS Catalysis*, **2016**, 6, 3128-3135	13.1	232
140	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	13	76
139	Skeletal Au prepared from AuZr amorphous alloys with controlled atomic compositions and arrangement for active oxidation of benzyl alcohol. *Journal of Materials Chemistry A*, **2016**, 4, 8458-8465	13	12
138	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	5.1	50
137	Investigation of Size Sensitivity in the Hydrogen Production from Formic Acid over Carbon-Supported Pd Nanoparticles. *ChemistrySelect*, **2016**, 1, 1879-1886	1.8	31
136	Non-Noble-Metal Nanoparticle Supported on Metal-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, 21278-84	9.5	69
135	Synthesis of Ce ions doped metalOrganic framework for promoting catalytic H2 production from ammonia borane under visible light irradiation. *Journal of Materials Chemistry A*, **2015**, 3, 14134-14141	13	83
134	Synthesis of a FeNi Alloy on a Ceria Support as a Noble-Metal-Free Catalyst for Hydrogen Production from Chemical Hydrogen Storage Materials. *ChemCatChem*, **2015**, 7, 1285-1291	5.2	27
133	Synthesis of a FeNi Alloy on a Ceria Support as a Noble-Metal-Free Catalyst for Hydrogen Production from Chemical Hydrogen Storage Materials. *ChemCatChem*, **2015**, 7, 1235-1235	5.2	
132	Synthesis and characterization of a Pd/Ag bimetallic nanocatalyst on SBA-15 mesoporous silica as a plasmonic catalyst. *Journal of Materials Chemistry A*, **2015**, 3, 18889-18897	13	74
131	Nickel-supported carbon nitride photocatalyst combined with organic dye for visible-light-driven hydrogen evolution from water. *Physical Chemistry Chemical Physics*, **2015**, 17, 24086-91	3.6	25
130	Active skeletal Ni catalysts prepared from NiZr amorphous alloys by oxygen treatment. *Applied Catalysis A: General*, **2015**, 504, 559-564	5.1	10
129	Enhancement of Pd-catalyzed SuzukiMiyaura coupling reaction assisted by localized surface plasmon resonance of Au nanorods. *Catalysis Today*, **2015**, 242, 381-385	5.3	40
128	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	5.1	21
127	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	1.7	4
126	A Plasmonic Molybdenum Oxide Hybrid with Reversible Tunability for Visible-Light-Enhanced Catalytic Reactions. *Advanced Materials*, **2015**, 27, 4616-21	24	151
125	Visible-Light-Responsive Carbon Dioxide Reduction System: Rhenium Complex Intercalated into a Zirconium Phosphate Layered Matrix. *ChemCatChem*, **2015**, 7, 3519-3525	5.2	25
124	Color-Controlled Ag Nanoparticles and Nanorods within Confined Mesopores: Microwave-Assisted Rapid Synthesis and Application in Plasmonic Catalysis under Visible-Light Irradiation. *Chemistry - A European Journal*, **2015**, 21, 11885-93	4.8	63

123	Environmental Transmission Electron Microscopy Study of Diesel Carbon Soot Combustion under Simulated Catalytic-Reaction Conditions. *ChemPhysChem*, **2015**, 16, 1321-1321	3.2	
122	Synergic Catalysis of PdCu Alloy Nanoparticles within a Macroreticular Basic Resin for Hydrogen Production from Formic Acid. *Chemistry - A European Journal*, **2015**, 21, 12085-92	4.8	88
121	Harnessing single-active plasmonic nanostructures for enhanced photocatalysis under visible light. *Journal of Materials Chemistry A*, **2015**, 3, 5244-5258	13	109
120	Environmental Transmission Electron Microscopy Study of Diesel Carbon Soot Combustion under Simulated Catalytic-Reaction Conditions. *ChemPhysChem*, **2015**, 16, 1347-51	3.2	19
119	Uniform anatase single-crystal cubes with high thermal stability fully enclosed by active {010} and {001} facets. *RSC Advances*, **2015**, 5, 11029-11035	3.7	9
118	Pt-supported Spherical Mesoporous Silica as a Nanosized Catalyst for Efficient Liquid-Phase Hydrogenation. *Topics in Catalysis*, **2014**, 57, 1026-1031	2.3	5
117	Surfactant-free nonaqueous synthesis of plasmonic molybdenum oxide nanosheets with enhanced catalytic activity for hydrogen generation from ammonia borane under visible light. *Angewandte Chemie - International Edition*, **2014**, 53, 2910-4	16.4	289
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