Gongxuan Lu

List of Publications by Year
in descending order

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		16451	26613
236	14,448	64	107
papers	citations	h-index	g-index

236	236	236	13273
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Boron substitution enhanced activity of BxGa1â^'xAs/GaAs photocatalyst for water splitting. Applied Catalysis B: Environmental, 2022, 300, 120690.	20.2	4
2	Metal-free plasmonic boron phosphide/graphitic carbon nitride with core-shell structure photocatalysts for overall water splitting. Applied Catalysis B: Environmental, 2021, 280, 119410.	20.2	75
3	Improved Light Harvesting and Efficiency for Overall Water Splitting by Embedding TiO₂ Transition Layer in GaP/Ga₂O₃/Ga₂Se₃ Multijunction Photocatalyst. Solar Rrl, 2021, 5, 2000619.	5.8	7
4	TiO₂ protection layer and well-matched interfaces enhance the stability of Cu₂ZnSnS₄/CdS/TiO₂ for visible light driven water splitting. Catalysis Science and Technology, 2021, 11, 5505-5517.	4.1	14
5	Stable coreâ€“shell ZIF-8@ZIF-67 MOFs photocatalyst for highly efficient degradation of organic pollutant and hydrogen evolution. Journal of Materials Research, 2021, 36, 602-614.	2.6	44
6	Generation of enhanced stability of SnO/In(OH)3/InP for photocatalytic water splitting by SnO protection layer. Frontiers in Energy, 2021, 15, 710-720.	2.3	4
7	Pivotal Role of Chirality in Photoelectrocatalytic (PEC) Water Splitting. Current Chinese Science, 2021, 1, 115-121.	0.5	1
8	Nitrogen-incorporation activates NiFeOx catalysts for efficiently boosting oxygen evolution activity and stability of BiVO4 photoanodes. Nature Communications, 2021, 12, 6969.	12.8	109
9	Photocorrosion inhibition of CdS-based catalysts for photocatalytic overall water splitting. Nanoscale, 2020, 12, 1213-1223.	5.6	265
10	Unveiling the Activity and Stability Origin of BiVO₄ Photoanodes with FeNi Oxyhydroxides for Oxygen Evolution. Angewandte Chemie - International Edition, 2020, 59, 18990-18995.	13.8	129
11	Hydrogen generation from toxic formaldehyde catalyzed by low-cost Pdâ€“Sn alloys driven by visible light. Journal of Materials Chemistry A, 2020, 8, 9616-9628.	10.3	13
12	Seizing solar hydrogen from water promoted by magic spin transporting, chiral-induced spin stateâ€“selective filtering, and upconversion. , 2020, , 191-209.		0
13	Homostructural Ta3N5 nanotube/nanoparticle photoanodes for highly efficient solar-driven water splitting. Applied Catalysis B: Environmental, 2020, 277, 119217.	20.2	20
14	The activity enhancement of photocatalytic water splitting by F- pre-occupation on Pt(100) and Pt(111) co-catalyst facets. Applied Catalysis B: Environmental, 2020, 266, 118647.	20.2	25
15	980 nm NIR light driven overall water splitting over a combined CdSâ€“RGOâ€“NaYF₄â€“Yb³⁺/Er³⁺ photocatalyst. Catalysis Science and Technology, 2020, 10, 2389-2397.	4.1	16
16	Modulation of HCHO, H2O and H adsorption on AgPd cocatalyst by optimizing of selective exposed facet to enhancing the efficiency of conversion toxic formaldehyde into hydrogen driven by visible light. Journal of Catalysis, 2019, 375, 493-506.	6.2	12
17	NIR light driven catalytic hydrogen generation over semiconductor photocatalyst coupling up-conversion component. Applied Catalysis B: Environmental, 2019, 257, 117908.	20.2	33
18	Assembly of Ultraâ€Thin NiO Layer Over Zn_{1â^'x}Cd_xS for Stable Visibleâ€Light Photocatalytic Overall Water Splitting. ChemSusChem, 2019, 12, 1410-1420.	6.8	53

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19	Preparation of Co-Pd bimetallic nanoparticles encapsulated in bamboo-like N-doped mesoporous carbon by a facile one-pot method for green Suzuki coupling. Research on Chemical Intermediates, 2019, 45, 3809-3821.	2.7	4
20	Enhancing water splitting activity by protecting hydrogen evolution activity site from poisoning of oxygen species. Applied Catalysis B: Environmental, 2019, 249, 138-146.	20.2	16
21	Energy transfer in covalent organic frameworks for visible-light-induced hydrogen evolution. International Journal of Hydrogen Energy, 2019, 44, 11872-11876.	7.1	38
22	Enantiomer-selective sensing and the light response of chiral molecules coated with a persistent luminescent material. Chemical Communications, 2019, 55, 13390-13393.	4.1	10
23	Research Progresses in the Preparation of Co-based Catalyst Derived from Co-MOFs and Application in the Catalytic Oxidation Reaction. Catalysis Surveys From Asia, 2019, 23, 64-89.	2.6	25
24	Inhibition of CdS photocorrosion by Al2O3 shell for highly stable photocatalytic overall water splitting under visible light irradiation. Applied Catalysis B: Environmental, 2018, 226, 373-383.	20.2	167
25	Distinctive organized molecular assemble of MoS₂, MOF and Co₃O₄, for efficient dye-sensitized photocatalytic H₂ evolution. Catalysis Science and Technology, 2018, 8, 2352-2363.	4.1	63
26	Inhibition of hydrogen and oxygen recombination over amideâ€“functionalized graphene and the enhancement of photocatalytic hydrogen generation in dyeâ€“sensitized AFâ€“RGO/Pt photocatalyst dispersion. Applied Catalysis B: Environmental, 2018, 232, 371-383.	20.2	14
27	Surface spintronics enhanced photo-catalytic hydrogen evolution: Mechanisms, strategies, challenges and future. Applied Surface Science, 2018, 434, 643-668.	6.1	42
28	Water splitting over core-shell structural nanorod CdS@Cr2O3 catalyst by inhibition of H2-O2 recombination via removing nascent formed oxygen using perfluorodecalin. Applied Catalysis B: Environmental, 2018, 221, 618-625.	20.2	57
29	The enhancement of CdS photocatalytic activity for water splitting via anti-photocorrosion by coating Ni2P shell and removing nascent formed oxygen with artificial gill. Applied Catalysis B: Environmental, 2018, 221, 243-257.	20.2	371
30	Ni-Mo-S nanoparticles modified graphitic C3N4 for efficient hydrogen evolution. Applied Surface Science, 2018, 427, 587-597.	6.1	88
31	Visible light driven water splitting over CaTiO3/Pr3+-Y2SiO5/RGO catalyst in reactor equipped artificial gill. Applied Catalysis B: Environmental, 2018, 224, 553-562.	20.2	25
32	Recent Progress on Establishing Structureâ€“Activity Relationship of Catalysts for Selective Catalytic Reduction (SCR) of NOx with NH3. Catalysis Surveys From Asia, 2018, 22, 1-19.	2.6	23
33	Enhancing hydrogen generation via fabricating peroxide decomposition layer over NiSe/MnO2-CdS catalyst. Journal of Catalysis, 2018, 367, 269-282.	6.2	60
34	Oxidized multiwalled carbon nanotubes coated fibers for headspace solid-phase microextraction of amphetamine-type stimulants in human urine. Forensic Science International, 2018, 290, 49-55.	2.2	31
35	Controlled Synthesis of TiO2 Shape and Effect on the Catalytic Performance for Selective Catalytic Reduction of NOx with NH3. Catalysis Surveys From Asia, 2018, 22, 105-117.	2.6	13
36	The inhibition of hydrogen and oxygen recombination reaction by halogen atoms on over-all water splitting over Pt-TiO2 photocatalyst. Applied Catalysis B: Environmental, 2018, 236, 240-252.	20.2	58

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37	High efficient photocatalytic hydrogen evolution from formaldehyde over sensitized Ag@Ag-Pd alloy catalyst under visible light irradiation. Applied Catalysis B: Environmental, 2018, 237, 563-573.	20.2	37
38	High efficient solar hydrogen generation by modulation of Co-Ni sulfide (220) surface structure and adjusting adsorption hydrogen energy. Applied Catalysis B: Environmental, 2017, 206, 353-363.	20.2	44
39	Visible-to-ultraviolet Upconvertion: Energy transfer, material matrix, and synthesis strategies. Applied Catalysis B: Environmental, 2017, 206, 89-103.	20.2	47
40	Fabrication and behaviors of CdS on Bi₂MoO₆ thin film photoanodes. RSC Advances, 2017, 7, 10774-10781.	3.6	32
41	Inhibition of photocorrosion of CdS via assembling with thin film TiO 2 and removing formed oxygen by artificial gill for visible light overall water splitting. Applied Catalysis B: Environmental, 2017, 212, 129-139.	20.2	168
42	Water splitting by CdS/Pt/WO 3 -CeO x photocatalysts with assisting of artificial blood perfluorodecalin. Journal of Catalysis, 2017, 350, 189-196.	6.2	56
43	A two-pronged strategy to enhance visible-light-driven overall water splitting via visible-to-ultraviolet upconversion coupling with hydrogen-oxygen recombination inhibition. Applied Catalysis B: Environmental, 2017, 212, 23-31.	20.2	36
44	Peculiar synergetic effect of MoS 2 quantum dots and graphene on Metal-Organic Frameworks for photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2017, 210, 45-56.	20.2	269
45	Enhancing activity for carbon dioxide methanation by encapsulating (1 1 1) facet Ni particle in metalâ€“organic frameworks at low temperature. Journal of Catalysis, 2017, 348, 200-211.	6.2	118
46	Steam reforming of acetic acid over cobalt catalysts: Effects of Zr, Mg and K addition. International Journal of Hydrogen Energy, 2017, 42, 4793-4803.	7.1	63
47	Construction of MÃ¶bius-strip-like graphene for highly efficient charge transfer and high active hydrogen evolution. Journal of Catalysis, 2017, 354, 258-269.	6.2	25
48	Coâ€“P/graphene alloy catalysts doped with Cu and Ni for efficient photocatalytic hydrogen generation. New Journal of Chemistry, 2017, 41, 13804-13811.	2.8	13
49	Facile synthesis of â€“Cî€Nâ€“ linked covalent organic frameworks under ambient conditions. Chemical Communications, 2017, 53, 11956-11959.	4.1	61
50	The role of a metallic copper interlayer during visible photocatalytic hydrogen generation over a Cu/Cu₂O/Cu/TiO₂ catalyst. Catalysis Science and Technology, 2017, 7, 5028-5037.	4.1	92
51	Fe2S2 nano-clusters catalyze water splitting by removing formed oxygen using aid of an artificial gill under visible light. Journal of Catalysis, 2017, 352, 572-578.	6.2	19
52	Enhancing photoactivity for hydrogen generation by electron tunneling via flip-flop hopping over MÃ¶bius strip-like RGO. Applied Catalysis B: Environmental, 2017, 219, 501-510.	20.2	19
53	Inhibition of hydrogen and oxygen reverse recombination reaction over Pt/TiO2 by Fâ¯ ions and its impact on the photocatalytic hydrogen formation. Journal of Catalysis, 2017, 353, 162-170.	6.2	42
54	Carboxyl-assisted synthesis of Co nanorods with high energy facet on graphene oxide sheets for efficient photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2017, 203, 789-797.	20.2	57

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55	Enhancing photoactivity for hydrogen generation by electron tunneling via flip-flop hopping over iodinated graphitic carbon nitride. Applied Catalysis B: Environmental, 2017, 204, 33-42.	20.2	57
56	Ultrasonic assisted rapid synthesis of high uniform super-paramagnetic microspheres with core-shell structure and robust magneto-chromatic ability. Journal of Magnetism and Magnetic Materials, 2017, 426, 1-10.	2.3	7
57	Inhibition of hydrogen and oxygen recombination using oxygen transfer reagent hemin chloride in Pt/TiO2 dispersion for photocatalytic hydrogen generation. Applied Catalysis B: Environmental, 2017, 203, 408-415.	20.2	68
58	Fivefold Enhanced Photoelectrochemical Properties of ZnO Nanowire Arrays Modified with C3N4 Quantum Dots. Catalysts, 2017, 7, 99.	3.5	24
59	The spin-orbit coupling induced spin flip and its role in the enhancement of the photocatalytic hydrogen evolution over iodinated graphene oxide. Carbon, 2016, 108, 215-224.	10.3	39
60	Hard-template synthesis of three-dimensional mesoporous Cuâ€“Ce based catalysts with tunable architectures and their application in the CO catalytic oxidation. RSC Advances, 2016, 6, 64247-64257.	3.6	13
61	Graphene supported Coâ€“Moâ€“P catalyst for efficient photocatalyzed hydrogen generation. International Journal of Hydrogen Energy, 2016, 41, 6706-6712.	7.1	17
62	Fabrication of Low Adsorption Energy Niâ€“Mo Cluster Cocatalyst in Metalâ€“Organic Frameworks for Visible Photocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2016, 8, 10808-10819.	8.0	124
63	Functionalization of TiO2 with graphene quantum dots for efficient photocatalytic hydrogen evolution. Superlattices and Microstructures, 2016, 94, 237-244.	3.1	77
64	Graphene-induced spatial charge separation for selective water splitting over TiO2 photocatalyst. Catalysis Communications, 2016, 80, 28-32.	3.3	22
65	The enhancement of electron transportation and photo-catalytic activity for hydrogen generation by introducing spin-polarized current into dye-sensitized photo-catalyst. Catalysis Science and Technology, 2016, 6, 7693-7697.	4.1	20
66	One pot synthesis of a highly efficient mesoporous ceriaâ€“titanium catalyst for selective catalytic reduction of NO. RSC Advances, 2016, 6, 76556-76567.	3.6	31
67	Synthesis of High Dispersion and Uniform Nano-sized Flame Retardant-Used Hexagonal Mg(OH)2. Journal of Cluster Science, 2016, 27, 1831-1841.	3.3	7
68	Steam reforming of acetic acid over Cu Zn Co catalyst for hydrogen generation: Synergistic effects of the metal species. International Journal of Hydrogen Energy, 2016, 41, 13960-13969.	7.1	21
69	Enhanced Surface Electron Transfer with the Aid of Methyl Viologen on the Co₃O₄-g-C₃N₄ Photocatalyst. Chemistry Letters, 2016, 45, 116-118.	1.3	14
70	Improving catalytic activity and stability by in-situ regeneration of Ni-based catalyst for hydrogen production from ethanol steam reforming via controlling of active species dispersion. International Journal of Hydrogen Energy, 2016, 41, 13993-14002.	7.1	29
71	Modulating and controlling active species dispersion over Niâ€“Co bimetallic catalysts for enhancement of hydrogen production of ethanol steam reforming. International Journal of Hydrogen Energy, 2016, 41, 3349-3362.	7.1	91
72	Visible Photocatalytic Water Splitting and Photocatalytic Two-Electron Oxygen Formation over Cu- and Fe-Doped g-C₃N₄. Journal of Physical Chemistry C, 2016, 120, 56-63.	3.1	251

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73	Inhibition of the excited-state Rose Bengal (RB) nonradiative process by introducing DMSO for highly efficient photocatalytic hydrogen evolution. RSC Advances, 2016, 6, 29538-29544.	3.6	13
74	Highly efficient hydrogen evolution over Co(OH)2 nanoparticles modified g-C3N4 co-sensitized by Eosin Y and Rose Bengal under Visible Light Irradiation. Applied Catalysis B: Environmental, 2016, 188, 56-64.	20.2	150
75	Modulating photogenerated electron transfer with selectively exposed Coâ€“Mo facets on a novel amorphous g-C3N4/CoxMo1â^'xS2 photocatalyst. RSC Advances, 2016, 6, 23709-23717.	3.6	36
76	Direct Observation of Charge Separation on Anatase TiO2 Crystals with Selectively Etched {001} Facets. Journal of the American Chemical Society, 2016, 138, 2917-2920.	13.7	210
77	Uniformly Sized (112) Facet Co₂P on Graphene for Highly Effective Photocatalytic Hydrogen Evolution. Journal of Physical Chemistry C, 2016, 120, 6409-6415.	3.1	86
78	Small-sized Ni(1 1 1) particles in metal-organic frameworks with low over-potential for visible photocatalytic hydrogen generation. Applied Catalysis B: Environmental, 2016, 190, 12-25.	20.2	145
79	Structural and Textural Characteristics of Zn-Containing ZSM-5 Zeolites and Application for the Selective Catalytic Reduction of NOx with NH3 at High Temperatures. Catalysis Surveys From Asia, 2016, 20, 41-52.	2.6	15
80	Intrinsic magnetic characteristics-dependent charge transfer and visible photo-catalytic H₂ evolution reaction (HER) properties of a Fe₃O₄@PPy@Pt catalyst. Chemical Communications, 2016, 52, 3038-3041.	4.1	46
81	Interface Charge Transfer versus Surface Proton Reduction: Which Is More Pronounced on Photoinduced Hydrogen Generation over Sensitized Pt Cocatalyst on RGO?. Journal of Physical Chemistry C, 2015, 119, 13561-13568.	3.1	49
82	Effect of Different Pore Structures on the Surface Textures of the Cu-Doped CeO2 Catalysts and Applied for CO Catalytic Oxidation. Catalysis Surveys From Asia, 2015, 19, 129-139.	2.6	10
83	Surface texture and physicochemical characterization of mesoporous carbon â€“ wrapped Pdâ€“Fe catalysts for low-temperature CO catalytic oxidation. Physical Chemistry Chemical Physics, 2015, 17, 29027-29035.	2.8	8
84	Enhanced Catalytic Performance of Three-Dimensional Ordered Mesoporous Transition Metal (Co, Cu,) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.6	24
85	Behavior of borate complex anion on the stabilities and the hydrogen evolutions of ZnxCo3â^'xO4 decorated graphene. Superlattices and Microstructures, 2015, 82, 599-611.	3.1	20
86	Rhodium tin composite oxides co-catalyst for high efficient photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2015, 40, 9061-9068.	7.1	22
87	Noble-metal-free NiSn x O y decorated graphene cocatalyst for highly efficient reduction of water toÂhydrogen. International Journal of Hydrogen Energy, 2015, 40, 9634-9641.	7.1	24
88	Influence of pore structures of a carbon support on the surface textures of a CO oxidation catalyst. RSC Advances, 2015, 5, 59666-59676.	3.6	15
89	Super-paramagnetic nano-Fe₃O₄/graphene for visible-light-driven hydrogen evolution. Chemical Communications, 2015, 51, 10158-10161.	4.1	62
90	The dual functional roles of Ru as co-catalyst and stabilizer of dye for photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2015, 40, 5824-5830.	7.1	38

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91	Catalytic wet oxidation of aqueous methylamine: comparative study on the catalytic performance of platinumâ€“ruthenium, platinum, and ruthenium catalysts supported on titania. Environmental Technology (United Kingdom), 2015, 36, 1160-1166.	2.2	3
92	Tunable photocatalytic selectivity and stability of Ba-doped Ag3PO4 hollow nanosheets. Chinese Journal of Catalysis, 2015, 36, 1587-1595.	14.0	18
93	Enhancing catalytic activity and stability for CO₂ methanation on Ni@MOF-5 via control of active species dispersion. Chemical Communications, 2015, 51, 1728-1731.	4.1	209
94	Steam reforming of bio-oil derived small organics over the Ni/Al2O3 catalyst prepared by an impregnationâ€“reduction method. Catalysis Communications, 2014, 55, 74-77.	3.3	23
95	BiAg Alloy Nanospheres: A New Photocatalyst for H₂ Evolution from Water Splitting. ACS Applied Materials & Interfaces, 2014, 6, 19488-19493.	8.0	47
96	The roles of various Ni species over SnO2 in enhancing the photocatalytic properties for hydrogen generation under visible light irradiation. Applied Surface Science, 2014, 305, 235-241.	6.1	23
97	The roles of density-tunable surface oxygen vacancy over bouquet-like Bi2O3 in enhancing photocatalytic activity. Physical Chemistry Chemical Physics, 2014, 16, 4165.	2.8	47
98	TiO₂ Nanotube Arrays Modified with Crâ€Doped SrTiO₃ Nanocubes for Highly Efficient Hydrogen Evolution under Visible Light. Chemistry - A European Journal, 2014, 20, 2654-2662.	3.3	45
99	Enhanced surface electron transfer by fabricating a core/shell Ni@NiO cluster on TiO2 and its role on high efficient hydrogen generation under visible light irradiation. International Journal of Hydrogen Energy, 2014, 39, 8959-8968.	7.1	48
100	The difference of roles of alkaline-earth metal oxides on silica-supported nickel catalysts for CO₂ methanation. RSC Advances, 2014, 4, 58171-58177.	3.6	71
101	Enhancing catalytic activity and stability for CO₂ methanation on Niâ€“Ru/I³-Al₂O₃via modulating impregnation sequence and controlling surface active species. RSC Advances, 2014, 4, 16472-16479.	3.6	80
102	Enhancement of Ptâ€“Ru catalytic activity for catalytic wet air oxidation of methylamine via tuning the Ru surface chemical state and dispersion by Pt addition. RSC Advances, 2014, 4, 15325-15331.	3.6	15
103	Direct conversion of Bi nanospheres into 3D flower-like BiOBr nanoarchitectures with enhanced photocatalytic properties. RSC Advances, 2014, 4, 583-586.	3.6	51
104	Robust Ptâ€“Sn alloy decorated graphene nanohybrid cocatalyst for photocatalytic hydrogen evolution. Chemical Communications, 2014, 50, 9281-9283.	4.1	84
105	A new method to construct hierarchical ZSM-5 zeolites with excellent catalytic activity. Journal of Porous Materials, 2014, 21, 957-965.	2.6	12
106	Deposition of Pdâ€“Fe nanoparticles onto carbon spheres with controllable diameters and applied for CO catalytic oxidation. RSC Advances, 2014, 4, 23262-23270.	3.6	7
107	High-temperature steam reforming of bio-oil derived light organics and methane to hydrogen-rich gas with trace CO via rational temperature control. RSC Advances, 2014, 4, 18924-18929.	3.6	7
108	A novel amorphous CoSn_xO_y decorated graphene nanohybrid photocatalyst for highly efficient photocatalytic hydrogen evolution. Chemical Communications, 2014, 50, 5037-5039.	4.1	48

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109	Study of catalytic activity and product selectivity of M/Al2O3-CeO2 (M = Pt-Ru, Ru, and Pt) in catalytic wet air oxidation of methylamine. Chinese Journal of Catalysis, 2014, 35, 1212-1223.	14.0	7
110	Dye-Sensitized NiS_x Catalyst Decorated on Graphene for Highly Efficient Reduction of Water to Hydrogen under Visible Light Irradiation. ACS Catalysis, 2014, 4, 2763-2769.	11.2	163
111	Influence of the pore structure of CeO2 supports on the surface texture and catalytic activity for CO oxidation. CrystEngComm, 2014, 16, 5189.	2.6	42
112	The regulating effects of cobalt addition on the catalytic properties of silica-supported Niâ€“Co bimetallic catalysts for CO2 methanation. Reaction Kinetics, Mechanisms and Catalysis, 2014, 113, 101-113.	1.7	36
113	New evidence for the regulation of photogenerated electron transfer on surface potential energy controlled co-catalyst on TiO2 â€“ The investigation of hydrogen production over selectively exposed Au facet on Au/TiO2. International Journal of Hydrogen Energy, 2014, 39, 7672-7685.	7.1	24
114	Dye-sensitized cobalt catalysts for high efficient visible light hydrogen evolution. International Journal of Hydrogen Energy, 2014, 39, 4836-4844.	7.1	61
115	Highly efficient hydrogen production from formaldehyde over Ag/Î³-Al2O3 catalyst at room temperature. International Journal of Hydrogen Energy, 2014, 39, 9114-9120.	7.1	24
116	Ion exchange synthesis of PAN/Ag₃PO₄coreâ€“shell nanofibers with enhanced photocatalytic properties. Journal of Materials Chemistry A, 2014, 2, 1668-1671.	10.3	44
117	Highly efficient hydrogen production from alkaline aldehyde solutions facilitated by palladium nanotubes. Nano Energy, 2014, 8, 103-109.	16.0	67
118	The effect of impregnation strategy on structural characters and CO2 methanation properties over MgO modified Ni/SiO2 catalysts. Catalysis Communications, 2014, 54, 55-60.	3.3	132
119	Butene catalytic cracking to ethylene and propylene on fluorinated ZSM-5-based catalyst. Reaction Kinetics, Mechanisms and Catalysis, 2013, 108, 231-239.	1.7	6
120	Facile and Rapid Oxidation Fabrication of BiOCl Hierarchical Nanostructures with Enhanced Photocatalytic Properties. Chemistry - A European Journal, 2013, 19, 9472-9475.	3.3	62
121	Modification of TiO2 with sulfate and phosphate for enhanced eosin Y-sensitized hydrogen evolution under visible light illumination. Photochemical and Photobiological Sciences, 2013, 12, 1903-1910.	2.9	42
122	Study of One Step Synthesis of Rare Earth Zeolite (Lnâ€“ZSM-5) and Application for Low Temperature CO Catalytic Oxidation. Catalysis Surveys From Asia, 2013, 17, 147-155.	2.6	11
123	Promoted photoinduced charge separation and directional electron transfer over dispersible xanthene dyes sensitized graphene sheets for efficient solar H2 evolution. International Journal of Hydrogen Energy, 2013, 38, 2106-2116.	7.1	42
124	Enhanced photocatalytic activity of Ag/Ag3PO4 coaxial hetero-nanowires. Journal of Materials Chemistry A, 2013, 1, 10612.	10.3	46
125	Facile synthesis of tetrahedral Ag3PO4 submicro-crystals with enhanced photocatalytic properties. Journal of Materials Chemistry A, 2013, 1, 2387.	10.3	109
126	Low temperature carbon monoxide catalytic oxidation at the Pd/Ceâ€“Zrâ€“Alâ€“Ox catalyst. Journal of Sol-Gel Science and Technology, 2013, 66, 526-532.	2.4	7

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127	Eosin Y-sensitized graphitic carbon nitride fabricated by heating urea for visible light photocatalytic hydrogen evolution: the effect of the pyrolysis temperature of urea. Physical Chemistry Chemical Physics, 2013, 15, 7657.	2.8	332
128	Concave trisoctahedral Ag₃PO₄microcrystals with high-index facets and enhanced photocatalytic properties. Chemical Communications, 2013, 49, 636-638.	4.1	137
129	Fabrication of Ag3PO4â€“PAN composite nanofibers for photocatalytic applications. CrystEngComm, 2013, 15, 4802.	2.6	35
130	Modulating Photogenerated Electron Transfer and Hydrogen Production Rate by Controlling Surface Potential Energy on a Selectively Exposed Pt Facet on Pt/TiO2 for Enhancing Hydrogen Production. Journal of Physical Chemistry C, 2013, 117, 26415-26425.	3.1	46
131	Visible-light-driven photoelectrochemical and photocatalytic performances of Cr-doped SrTiO3/TiO2 heterostructured nanotube arrays. Scientific Reports, 2013, 3, 2720.	3.3	91
132	Photocatalytic Materials. International Journal of Photoenergy, 2012, 2012, 1-5.	2.5	10
133	Sites for High Efficient Photocatalytic Hydrogen Evolution on a Limited-Layered MoS₂ Cocatalyst Confined on Graphene Sheetsâ€•The Role of Graphene. Journal of Physical Chemistry C, 2012, 116, 25415-25424.	3.1	323
134	NaCl-assisted low temperature synthesis of layered Zn-In-S photocatalyst with high visible-light activity for hydrogen evolution. RSC Advances, 2012, 2, 3458.	3.6	38
135	Phosphate-assisted hydrothermal synthesis of hexagonal CdS for efficient photocatalytic hydrogen evolution. CrystEngComm, 2012, 14, 6974.	2.6	84
136	Dye-cosensitized graphene/Pt photocatalyst for high efficient visible light hydrogen evolution. International Journal of Hydrogen Energy, 2012, 37, 10564-10574.	7.1	121
137	Selective Growth of Metallic Ag Nanocrystals on Ag₃PO₄ Submicroâ€Cubes for Photocatalytic Applications. Chemistry - A European Journal, 2012, 18, 14272-14275.	3.3	100
138	Photocatalytic and photoelectric properties of cubic Ag3PO4 sub-microcrystals with sharp corners and edges. Chemical Communications, 2012, 48, 3748.	4.1	268
139	Two-dimensional dendritic Ag3PO4 nanostructures and their photocatalytic properties. Physical Chemistry Chemical Physics, 2012, 14, 14486.	2.8	92
140	Selective growth of Ag3PO4 submicro-cubes on Ag nanowires to fabricate necklace-like heterostructures for photocatalytic applications. Journal of Materials Chemistry, 2012, 22, 14847.	6.7	179
141	Photocatalytic hydrogen evolution under visible light irradiation by the polyoxometalate Î±-[AlSiW11(H2O)O39]5â” -Eosin Y system. International Journal of Hydrogen Energy, 2012, 37, 12150-12157.	7.1	49
142	Enhanced Electron Transfer from the Excited Eosin Y to mpg-C₃N₄ for Highly Efficient Hydrogen Evolution under 550 nm Irradiation. Journal of Physical Chemistry C, 2012, 116, 19644-19652.	3.1	284
143	Steam reforming of acetic acid over Ni/ZrO2 catalysts: Effects of nickel loading and particle size on product distribution and coke formation. Applied Catalysis A: General, 2012, 417-418, 281-289.	4.3	107
144	Pruning of the surface species on Ni/Al2O3 catalyst to selective production of hydrogen via acetone and acetic acid steam reforming. Applied Catalysis A: General, 2012, 427-428, 49-57.	4.3	58

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145	Visible light induced CO2 reduction and Rh B decolorization over electrostatic-assembled AgBr/palygorskite. Journal of Colloid and Interface Science, 2012, 377, 277-283.	9.4	22
146	Renewable hydrogen production by a mild-temperature steam reforming of the model compound acetic acid derived from bio-oil. Journal of Molecular Catalysis A, 2012, 355, 123-133.	4.8	49
147	Dye-Sensitized Reduced Graphene Oxide Photocatalysts for Highly Efficient Visible-Light-Driven Water Reduction. Journal of Physical Chemistry C, 2011, 115, 13938-13945.	3.1	265
148	Composition, morphology and photocatalytic activity of Zn-In-S composite synthesized by a NaCl-assisted hydrothermal method. CrystEngComm, 2011, 13, 4770.	2.6	32
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