Gonghu Li

List of Publications by Year
in descending order

56 papers	4,185 citations	172457 29 h-index	149698 56 g-index
58 all docs	58 docs citations	58 times ranked	6328 citing authors

#	Article	IF	Citations
1	Photocatalytic and Photoelectrochemical Carbon Dioxide Reduction. ChemPhotoChem, 2022, 6, .	3.0	1
2	Solving the structure of â€œsingle-atomâ€• catalysts using machine learning â€“ assisted XANES analysis. Physical Chemistry Chemical Physics, 2022, 24, 5116-5124.	2.8	19
3	Probing active sites for carbon oxides hydrogenation on Cu/TiO2 using infrared spectroscopy. Communications Chemistry, 2022, 5, .	4.5	12
4	Revealing the Structure of Single Cobalt Sites in Carbon Nitride for Photocatalytic CO₂ Reduction. Journal of Physical Chemistry C, 2022, 126, 8596-8604.	3.1	11
5	Tunable Photocatalytic Production of Syngas Using Co@C₃N₄ and Black Phosphorus. ChemPhotoChem, 2021, 5, 674-679.	3.0	8
6	Effect of Carbon Doping on CO₂â€Reduction Activity of Single Cobalt Sites in Graphitic Carbon Nitride. ChemNanoMat, 2021, 7, 1051-1056.	2.8	15
7	Surface Basicity of Metal@TiO₂ to Enhance Photocatalytic Efficiency for CO₂ Reduction. ACS Applied Materials & Interfaces, 2021, 13, 38595-38603.	8.0	45
8	Highly Crystalline Mesoporous Titania Loaded with Monodispersed Gold Nanoparticles: Controllable Metalâ€“Support Interaction in Porous Materials. ACS Applied Materials & Interfaces, 2020, 12, 9617-9627.	8.0	24
9	Photoelectrochemical NADH regeneration is highly sensitive to the nature of electrode surface. Journal of Chemical Physics, 2020, 153, 064703.	3.0	8
10	Hybrid Carbon Dioxide Reduction Photocatalysts Consisting of Macrocyclic Cobalt(III) Complexes Deposited on Semiconductor Surfaces. ChemPhotoChem, 2020, 4, 420-426.	3.0	8
11	The stability and oxidation of supported atomic-size Cu catalysts in reactive environments. Journal of Chemical Physics, 2019, 151, 054702.	3.0	11
12	Infrared studies of surface carbonate binding to diimine-tricarbonyl Re(I) and Mn(I) complexes in mesoporous silica. Journal of Coordination Chemistry, 2019, 72, 1336-1345.	2.2	2
13	Coâ€Template Directed Synthesis of Gold Nanoparticles in Mesoporous Titanium Dioxide. Chemistry - A European Journal, 2018, 24, 9651-9657.	3.3	18
14	Selective CO₂ Reduction Catalyzed by Single Cobalt Sites on Carbon Nitride under Visible-Light Irradiation. Journal of the American Chemical Society, 2018, 140, 16042-16047.	13.7	296
15	Synergy between Defects, Photoexcited Electrons, and Supported Single Atom Catalysts for CO₂ Reduction. ACS Catalysis, 2018, 8, 10464-10478.	11.2	85
16	Visible-light degradation of Orange II using an Fe(II)â€“terpyridine complex grafted onto TiO2 surface. Canadian Journal of Chemistry, 2018, 96, 890-895.	1.1	1
17	Microwave-assisted deposition of a highly active cobalt catalyst on mesoporous silica for photochemical CO₂ reduction. Dalton Transactions, 2017, 46, 10721-10726.	3.3	8
18	Molecular deposition of a macrocyclic cobalt catalyst on TiO2 nanoparticles. Journal of Molecular Catalysis A, 2016, 423, 293-299.	4.8	10

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19	Photocatalytic CO₂reduction by highly dispersed Cu sites on TiO₂. Journal of Photonics for Energy, 2016, 7, 012004.	1.3	15
20	CO₂ reduction with Re(<scp>i</scp>)â€"NHC compounds: driving selective catalysis with a silicon nanowire photoelectrode. Chemical Communications, 2016, 52, 14258-14261.	4.1	32
21	Three-Dimensional Grapheneâ€"TiO₂ Nanocomposite Photocatalyst Synthesized by Covalent Attachment. ACS Omega, 2016, 1, 351-356.	3.5	48
22	Photoelectrochemical CO₂ Reduction by a Molecular Cobalt(II) Catalyst on Planar and Nanostructured Si Surfaces. Chemistry - A European Journal, 2016, 22, 13064-13067.	3.3	27
23	Heterogenization of a macrocyclic cobalt complex for photocatalytic CO₂ reduction. Journal of Coordination Chemistry, 2016, 69, 1748-1758.	2.2	16
24	Re(I) NHC Complexes for Electrocatalytic Conversion of CO₂. Inorganic Chemistry, 2016, 55, 3136-3144.	4.0	77
25	Effect of ligand derivatization at different positions on photochemical properties of hybrid Re(I) photocatalysts. Journal of Molecular Catalysis A, 2016, 411, 272-278.	4.8	8
26	Solar CO₂Reduction Using Surface-Immobilized Molecular Catalysts. Comments on Inorganic Chemistry, 2016, 36, 38-60.	5.2	23
27	Involvement of surface-adsorbed water in photochromism of spiropyran molecules deposited on NaY zeolite. Chemical Physics Letters, 2014, 598, 53-57.	2.6	3
28	Photoelectrochemical oxidation of a turn-on fluorescent probe mediated by a surface MnII catalyst covalently attached to TiO2 nanoparticles. Journal of Catalysis, 2014, 310, 37-44.	6.2	12
29	Photocatalytic CO₂ reduction using a molecular cobalt complex deposited on TiO₂ nanoparticles. Chemical Communications, 2014, 50, 6221-6224.	4.1	55
30	Infrared studies of a hybrid CO2-reduction photocatalyst consisting of a molecular Re(I) complex grafted on Kaolin. Journal of Molecular Catalysis A, 2014, 395, 145-150.	4.8	17
31	Innovative Photocatalysts for Solar Fuel Generation by CO2 Reduction. , 2013, , 219-241.		2
32	Photocatalytic CO₂ Reduction and Surface Immobilization of a Tricarbonyl Re(I) Compound Modified with Amide Groups. ACS Catalysis, 2013, 3, 655-662.	11.2	83
33	Covalent attachment of a molecular CO2-reduction photocatalyst to mesoporous silica. Journal of Molecular Catalysis A, 2012, 363-364, 208-213.	4.8	36
34	Adsorption and Photochemical Properties of a Molecular CO₂ Reduction Catalyst in Hierarchical Mesoporous ZSM-5: An In Situ FTIR Study. Journal of Physical Chemistry Letters, 2012, 3, 486-492.	4.6	30
35	Enhanced Charge Separation in Nanostructured TiO₂ Materials for Photocatalytic and Photovoltaic Applications. Industrial & Engineering Chemistry Research, 2012, 51, 11841-11849.	3.7	94
36	Reduction of CO₂ on a Tricarbonyl Rhenium(I) Complex: Modeling a Catalytic Cycle. Journal of Physical Chemistry A, 2011, 115, 2877-2881.	2.5	71

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37	Energy Conversion in Natural and Artificial Photosynthesis. Chemistry and Biology, 2010, 17, 434-447.	6.0	366
38	Reversible Visible-Light Photooxidation of an Oxomanganese Water-Oxidation Catalyst Covalently Anchored to TiO₂ Nanoparticles. Journal of Physical Chemistry B, 2010, 114, 14214-14222.	2.6	56
39	Photoreduction of CO2 by TiO2 nanocomposites synthesized through reactive direct current magnetron sputter deposition. Thin Solid Films, 2009, 517, 5641-5645.	1.8	80
40	Deposition of an oxomanganese water oxidation catalyst on TiO2 nanoparticles: computational modeling, assembly and characterization. Energy and Environmental Science, 2009, 2, 230.	30.8	80
41	Synergistic effect between anatase and rutile TiO2 nanoparticles in dye-sensitized solar cells. Dalton Transactions, 2009, , 10078.	3.3	196
42	Hydroxamate anchors for water-stable attachment to TiO2 nanoparticles. Energy and Environmental Science, 2009, 2, 1173.	30.8	91
43	Visible light photocatalytic properties of anion-doped TiO2 materials prepared from a molecular titanium precursor. Chemical Physics Letters, 2008, 451, 75-79.	2.6	34
44	Role of Surface/Interfacial Cu²⁺ Sites in the Photocatalytic Activity of Coupled CuOâ^'TiO₂ Nanocomposites. Journal of Physical Chemistry C, 2008, 112, 19040-19044.	3.1	344
45	The Important Role of Tetrahedral Ti⁴⁺ Sites in the Phase Transformation and Photocatalytic Activity of TiO₂ Nanocomposites. Journal of the American Chemical Society, 2008, 130, 5402-5403.	13.7	166
46	Single-Walled Carbon Nanotube-Facilitated Dispersion of Particulate TiO₂ on ZrO₂ Ceramic Membrane Filters. Langmuir, 2008, 24, 7072-7075.	3.5	16
47	Photoreactive TiO₂/Carbon Nanotube Composites: Synthesis and Reactivity. Environmental Science & Technology, 2008, 42, 4952-4957.	10.0	535
48	Acetylacetonate Anchors for Robust Functionalization of TiO₂Nanoparticles with Mn(II)â^'Terpyridine Complexes. Journal of the American Chemical Society, 2008, 130, 14329-14338.	13.7	151
49	Preparation of Mixed-Phase Titanium Dioxide Nanocomposites via Solvothermal Processing. Chemistry of Materials, 2007, 19, 1143-1146.	6.7	109
50	A comparison of mixed phase titania photocatalysts prepared by physical and chemical methods: The importance of the solidâ€"solid interface. Journal of Molecular Catalysis A, 2007, 275, 30-35.	4.8	128
51	The solidâ€"solid interface: Explaining the high and unique photocatalytic reactivity of TiO2-based nanocomposite materials. Chemical Physics, 2007, 339, 173-187.	1.9	279
52	Fabricating highly active mixed phase TiO2 photocatalysts by reactive DC magnetron sputter deposition. Thin Solid Films, 2006, 515, 1176-1181.	1.8	90
53	Catalytic reduction of NO2 in nanocrystalline NaY zeolite. Journal of Molecular Catalysis A, 2005, 227, 25-35.	4.8	39
54	Selective catalytic reduction of NO2 with urea in nanocrystalline NaY zeolite. Journal of Catalysis, 2005, 234, 401-413.	6.2	65

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55	An FT-IR Study of NO2 Reduction in Nanocrystalline NaY Zeolite: Effect of Zeolite Crystal Size and Adsorbed Water. Catalysis Letters, 2005, 103, 23-32.	2.6	29
56	Development of Improved Materials for Environmental Applications:Â Nanocrystalline NaY Zeolites. Environmental Science & Technology, 2005, 39, 1214-1220.	10.0	88