Xin-Jun Li

List of Publications by Year
in descending order

106	2,529	186265	243625
papers	citations	28 h-index	44 g-index

106	106	106	3623
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Conversion of fructose into 5-hydroxymethylfurfural and alkyl levulinates catalyzed by sulfonic acid-functionalized carbon materials. Green Chemistry, 2013, 15, 2895.	9.0	188
2	Effect of doping mode on the photocatalytic activities of Mo/TiO2. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 163, 517-522.	3.9	184
3	Enhanced photocatalytic activity of TiO2 nano-structured thin film with a silver hierarchical configuration. Applied Surface Science, 2008, 254, 1630-1635.	6.1	91
4	Pt nanoparticles entrapped in titanate nanotubes (TNT) for phenol hydrogenation: the confinement effect of TNT. Chemical Communications, 2014, 50, 2794.	4.1	76
5	Pd nano-particles (NPs) confined in titanate nanotubes (TNTs) for hydrogenation of cinnamaldehyde. Catalysis Communications, 2015, 59, 184-188.	3.3	54
6	MnO2 coated Fe2O3 spindles designed for production of C5+ hydrocarbons in Fischerâ€“Tropsch synthesis. Fuel, 2016, 177, 197-205.	6.4	54
7	Photocatalytic activity of TiO2 thin film non-uniformly doped by Ni. Materials Chemistry and Physics, 2006, 97, 59-63.	4.0	51
8	Preparation and Photocatalytic Performance of Anatase/Rutile Mixed-Phase TiO2 Nanotubes. Catalysis Letters, 2010, 139, 129-133.	2.6	50
9	An effective Pd-promoted gold catalyst supported on mesoporous silica particles for the oxidation of benzyl alcohol. Applied Catalysis B: Environmental, 2013, 140-141, 419-425.	20.2	50
10	MnO2 and carbon nanotube co-modified C3N4 composite catalyst for enhanced water splitting activity under visible light irradiation. International Journal of Hydrogen Energy, 2016, 41, 22743-22750.	7.1	50
11	CdS nanorod arrays with TiO2 nano-coating for improved photostability and photocatalytic activity. Physical Chemistry Chemical Physics, 2014, 16, 15339.	2.8	46
12	Non-uniform doping outperforms uniform doping for enhancing the photocatalytic efficiency of Au-doped TiO 2 nanotubes in organic dye degradation. Ceramics International, 2017, 43, 9053-9059.	4.8	43
13	CdS-sensitized ZnO nanorod arrays coated with TiO2 layer for visible light photoelectrocatalysis. Journal of Materials Science, 2012, 47, 4187-4193.	3.7	42
14	Oxidation of Zr₂[Al(Si)]₄C₅ and Zr₃[Al(Si)]₄C₆ in air. Journal of Materials Research, 2008, 23, 3339-3346.	2.6	41
15	Silver-coated TiO2 nanostructured anode materials for lithium ion batteries. Journal of Solid State Electrochemistry, 2010, 14, 571-578.	2.5	40
16	Synthesis and visible light photo-electrochemical behaviors of In2O3-sensitized ZnO nanowire array film. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 219, 132-138.	3.9	40
17	Isothermal oxidation of bulk Zr₂Al₃C₄ at 500 to 1000 Â°C in air. Journal of Materials Research, 2008, 23, 359-366.	2.6	39
18	Polyaspartamide Gadolinium Complexes Containing Sulfadiazine Groups as Potential Macromolecular MRI Contrast Agents. Bioconjugate Chemistry, 2005, 16, 967-971.	3.6	38

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19	Synthesis of novel Mn-doped Fe2O3 nanocube supported g-C3N4 photocatalyst for overall visible-light driven water splitting. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 567, 313-318.	4.7	38
20	Tuning three-dimensional TiO2 nanotube electrode to achieve high utilization of Ti substrate for lithium storage. Electrochimica Acta, 2014, 133, 570-577.	5.2	36
21	Photocatalytic Water Splitting Towards Hydrogen Production on Gold Nanoparticles (NPs) Entrapped in TiO2 Nanotubes. Catalysis Letters, 2015, 145, 1771-1777.	2.6	36
22	Design of Carbonâ€Encapsulated Fe₃O₄ Nanocatalyst with Enhanced Performance for Fischerâ€“Tropsch Synthesis. ChemCatChem, 2015, 7, 2323-2327.	3.7	35
23	Preparation and photoelectrochemical characterization of WO3/TiO2 nanotube array electrode. Journal of Materials Science, 2011, 46, 416-421.	3.7	33
24	Effect of Ordered TiO₂ Nanotube Array Substrate on Photocatalytic Performance of CdS-Sensitized ZnO Nanorod Arrays. Journal of Physical Chemistry C, 2013, 117, 22591-22597.	3.1	32
25	Nano-CdS confined within titanate nanotubes for efficient photocatalytic hydrogen production under visible light illumination. Nanotechnology, 2014, 25, 035603.	2.6	32
26	Layered stacking characteristics of ternary zirconium aluminum carbides. Journal of Materials Research, 2007, 22, 3058-3066.	2.6	31
27	Effect of confinement of TiO 2 nanotubes over the Ru nanoparticles on Fischer-Tropsch synthesis. Applied Catalysis A: General, 2016, 526, 45-52.	4.3	31
28	Promotional effects of Mn on SiO 2 -encapsulated iron-based spindles for catalytic production of liquid hydrocarbons. Journal of Catalysis, 2017, 350, 41-47.	6.2	31
29	Phase Equilibrium Conditions of Tetrabutyl Ammonium Nitrate + CO₂, N₂, or CH₄ Semiclathrate Hydrate Systems. Industrial & Engineering Chemistry Research, 2011, 50, 11720-11723.	3.7	30
30	Construction of hierarchical Fe2O3@MnO2 core/shell nanocube supported C3N4 for dual Z-scheme photocatalytic water splitting. Solar Energy Materials and Solar Cells, 2020, 215, 110624.	6.2	30
31	Preparation of titania nanotube-Cd0.65Zn0.35S nanocomposite by a hydrothermal sulfuration method for efficient visible-light-driven photocatalytic hydrogen production. Applied Surface Science, 2014, 322, 265-271.	6.1	28
32	A nanoreactor based on SrTiO3 coupled TiO2 nanotubes confined Au nanoparticles for photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2020, 45, 1559-1568.	7.1	28
33	The fabrication of TiO2-supported zeolite with core/shell heterostructure for ethanol dehydration to ethylene. Catalysis Communications, 2009, 11, 67-70.	3.3	27
34	Effect of CoOOH loading on the photoelectrocatalytic performance of WO3 nanorod array film. Applied Surface Science, 2013, 284, 285-290.	6.1	27
35	Improving Visible Light-Absorptivity and Photoelectric Conversion Efficiency of a TiO2 Nanotube Anode Film by Sensitization with Bi2O3 Nanoparticles. Nanomaterials, 2017, 7, 104.	4.1	27
36	Correlation between photoreactivity and photophysics of sulfated TiO2 photocatalyst. Materials Chemistry and Physics, 2005, 92, 470-474.	4.0	26

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37	Enhanced photocatalytic performance of platinized CdS/TiO2 by optimizing calcination temperature of TiO2 nanotubes. Materials Science in Semiconductor Processing, 2014, 26, 107-111.	4.0	26
38	Fe2O3 nanoparticles encapsulated in TiO2 nanotubes for Fischerâ€“Tropsch synthesis: The confinement effect of nanotubes on the catalytic performance. Fuel, 2016, 164, 347-351.	6.4	26
39	Cloning and in vitro expression of the cDNA encoding a putative nucleoside transporter from Arabidopsis thaliana. Plant Science, 2000, 157, 23-32.	3.6	24
40	CdSe-sensitized TiO2 nanotube array film fabricated by ultrasonic-assisted electrochemical deposition and subsequently wrapped with TiO2 thin layer for the visible light photoelectrocatalysis. Thin Solid Films, 2012, 520, 2994-2999.	1.8	24
41	One-pot synthesis of promoted porous iron-based microspheres and its Fischerâ€“Tropsch performance. Applied Catalysis A: General, 2015, 499, 139-145.	4.3	24
42	Facile Synthesis of Rh Anchored Uniform Spherical COF for One-Pot Tandem Reductive Amination of Aldehydes to Secondary Imines. ACS Applied Materials & Interfaces, 2021, 13, 24966-24975.	8.0	23
43	The effect of background irradiation on photocatalytic efficiencies of TiO2 thin films. Chemosphere, 2006, 62, 810-816.	8.2	21
44	Photoelectrochemical Performance of Nb-doped TiO2 Nanoparticles Fabricated by Hydrothermal Treatment of Titanate Nanotubes in Niobium Oxalate Aqueous Solution. Journal of Materials Science and Technology, 2014, 30, 765-769.	10.7	21
45	Facile synthesis of CoO nanorod/C 3 N 4 heterostructure photocatalyst for an enhanced pure water splitting activity. Inorganic Chemistry Communication, 2018, 92, 14-17.	3.9	21
46	Effect of dopant concentration on photocatalytic activity of TiO2 film doped by Mn non-uniformly. Open Chemistry, 2006, 4, 234-245.	1.9	20
47	Catalytic Dehydration of Ethanol to Ethylene on TiO2/4A Zeolite Composite Catalysts. Catalysis Letters, 2009, 130, 308-311.	2.6	18
48	Hydrate phase equilibrium for the (hydrogen+tert-butylamine+water) system. Journal of Chemical Thermodynamics, 2011, 43, 617-621.	2.0	18
49	Effect of MWCNT Inclusion in TiO2 Nanowire Array Film on the Photoelectrochemical Performance. Journal of Materials Science and Technology, 2012, 28, 594-598.	10.7	18
50	Fabrication of TiO₂nanotubes-assembled hierarchical microspheres with enhanced photocatalytic degradation activity. New Journal of Chemistry, 2015, 39, 4766-4773.	2.8	18
51	Template-free scalable synthesis of TiO2 hollow nanoparticles for excellent photoelectrochemical applications. Journal of Materials Science, 2018, 53, 2102-2114.	3.7	18
52	Photocatalytic oxidation activity of titanium dioxide film enhanced by Mn non-uniform doping. Transactions of Nonferrous Metals Society of China, 2006, 16, 1069-1075.	4.2	17
53	Photoelectrochemical performance of TiO2-nanotube-array film modified by decoration of TiO2 via liquid phase deposition. Surface and Coatings Technology, 2010, 205, 2572-2577.	4.8	17
54	Decoration of Bi2Se3 nanosheets with a thin Bi2SeO2 layer for visible-light-driven overall water splitting. International Journal of Hydrogen Energy, 2018, 43, 10950-10958.	7.1	17

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55	Fabrication of amorphous TiO2 shell layer on Ag2CO3 surface with enhanced photocatalytic activity and photostability. Journal of Alloys and Compounds, 2019, 806, 603-610.	5.5	17
56	Bi2O3 decorated TiO2 nanotube confined Pt nanoparticles with enhanced activity for catalytic combustion of ethylene. Journal of Materials Science, 2019, 54, 4637-4646.	3.7	17
57	Fabrication of titanium dioxide nanotubes with good morphology at high calcination temperature and their photocatalytic activity. Materials Chemistry and Physics, 2017, 202, 136-142.	4.0	16
58	The effect of CuO modification for a TiO2 nanotube confined CeO2 catalyst on the catalytic combustion of butane. Open Chemistry, 2018, 16, 1-8.	1.9	16
59	The promotional effect of Mn on Fe-based Fischerâ€“Tropsch catalysts for the synthesis of C₅₊hydrocarbons. Sustainable Energy and Fuels, 2019, 3, 219-226.	4.9	16
60	Preparation of titanium dioxide nanotube arrays on titanium mesh by anodization in (NH₄)₂SO₄/NH₄F electrolyte. Materials and Corrosion - Werkstoffe Und Korrosion, 2013, 64, 1001-1006.	1.5	15
61	Hierarchical flower-like titanium phosphate derived from H-titanate nanotubes for photocatalysis. Journal of Materials Science, 2015, 50, 7293-7302.	3.7	15
62	Entrapment of Bi2O3 nanoparticles in TiO2 nanotubes for visible light-driven photocatalysis. Research on Chemical Intermediates, 2018, 44, 6753-6763.	2.7	15
63	Improving the high-temperature oxidation resistance of Zr2Al3C4 by silicon pack cementation. Journal of Materials Research, 2008, 23, 2275-2282.	2.6	14
64	Phase Equilibrium Data of Binary Hydrate in the System Hydrogen + Acetone + Water. Journal of Chemical & Engineering Data, 2010, 55, 4532-4535.	1.9	14
65	Synthesis of peroxo-titanium decorated H-titanate-nanotube-based hierarchical microspheres with enhanced visible-light photocatalytic activity in degradation of Rhodamine B. Dalton Transactions, 2014, 43, 14537-14541.	3.3	14
66	Photo-reduction enables catalyst regeneration in Fenton reaction on an Fe₂O₃-decorated TiO₂ nanotube-based photocatalyst. Dalton Transactions, 2020, 49, 6730-6737.	3.3	14
67	Cation deviated stoichiometry Ca1.1ZrO3 perovskite as an efficient ozonation catalyst for m-cresol wastewater degradation. Chemical Engineering Journal, 2022, 429, 132218.	12.7	14
68	The effect of sandwiched Ag in the wall of TiO2 nanotube on the photo-catalytic performance. Materials Chemistry and Physics, 2011, 128, 1-5.	4.0	12
69	Perovskite CaZrO₃ for efficient ozonation treatment of organic pollutants in wastewater. Catalysis Science and Technology, 2021, 11, 3697-3705.	4.1	12
70	The Effect of CTAB on the Citrate Sol-gel Process for the Synthesis of Sodium Beta-Alumina Nano-Powders. Bulletin of the Korean Chemical Society, 2011, 32, 1310-1314.	1.9	12
71	High performance Pd catalyst using silica modified titanate nanotubes (STNT) as support and its catalysis toward hydrogenation of cinnamaldehyde at ambient temperature. RSC Advances, 2014, 4, 63062-63069.	3.6	11
72	Synthesis of Ag promoted porous Fe3O4 microspheres with tunable pore size as catalysts for Fischerâ€“Tropsch production of lower olefins. Catalysis Communications, 2015, 64, 32-36.	3.3	11

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73	Protonated carbon nitride nanosheet supported IrO₂ quantum dots for pure water splitting without sacrificial reagents. Inorganic Chemistry Frontiers, 2018, 5, 2268-2275.	6.0	11
74	High performance carbon/silica co-decorated TiO 2 nanotubes for visible-light driven water splitting. Materials Research Bulletin, 2017, 93, 162-169.	5.2	10
75	MnO₂ Nanoparticles Confined in TiO₂ Nanotubes for Catalytic Combustion of Butane. ChemistrySelect, 2017, 2, 4557-4560.	1.5	10
76	Mesoporous Fe-based spindles designed as catalysts for the Fischerâ€“Tropsch synthesis of C₅₊ hydrocarbons. New Journal of Chemistry, 2018, 42, 15968-15973.	2.8	9
77	Fabrication and Characterization of Co-Doped Fe₂O₃ Spindles for the Enhanced Photo-Fenton Catalytic Degradation of Tetracycline. ACS Omega, 2021, 6, 33717-33727.	3.5	9
78	TiO2 nanotube/ZnO nanorod/CdS on Ti mesh with three-dimensional array structure for photocatalytic degradation under visible lightÂirradiation. Research on Chemical Intermediates, 2016, 42, 4569-4580.	2.7	8
79	Titania Nanotube Derived Titanium Nitride Nano-cluster for Visible Light Driven Water Splitting. Catalysis Letters, 2019, 149, 61-68.	2.6	8
80	Pd nanoparticles entrapped in TiO2 nanotubes for complete butane catalytic combustion at 130ÂÂ°C. Environmental Chemistry Letters, 2017, 15, 421-426.	16.2	7
81	Non-noble Nickel-Modified Covalent Organic Framework for Partial Hydrogenation of Aromatic Terminal Alkynes. ACS Applied Materials & Interfaces, 2021, 13, 60135-60143.	8.0	7
82	AN INNOVATIVE Ti/TiO2MESH PHOTOELECTRODE FOR METHYL ORANGE PHOTOELECTROCATALYTIC DEGRADATION. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2002, 37, 623-640.	1.7	6
83	Preparation of Titanate/N-Doped Anatase Composite Hierarchical Microspheres with Enhanced Visible Light Photocatalytic Activity. Catalysis Letters, 2015, 145, 647-653.	2.6	6
84	Highly activated Ag-doped Fe-based catalysts designed for Fischerâ€“Tropsch synthesis. RSC Advances, 2015, 5, 45426-45430.	3.6	6
85	Comparison of titania nanotube-supported cobalt catalysts prepared by impregnation and homogeneous precipitation for Fischerâ€“Tropsch synthesis. RSC Advances, 2016, 6, 89770-89775.	3.6	6
86	Promotion of TiO₂ Nanotube-Confined Pt Nanoparticles via Surface Modification with Fe₂O₃ for Ethylene Oxidation at Low Temperature. ACS Omega, 2021, 6, 11529-11536.	3.5	6
87	A facile synthesis of C3N4-modified TiO2 nanotube embedded Pt nanoparticles for photocatalytic water splitting. Research on Chemical Intermediates, 2021, 47, 5175-5188.	2.7	6
88	Fabrication and Characterization of Titanate Nanotube Supported ZSM-5 Zeolite Composite Catalyst for Ethanol Dehydration to Ethylene. Bulletin of the Korean Chemical Society, 2014, 35, 525-530.	1.9	6
89	Effects of Ag on morphology and catalytic performance of iron catalysts for Fischerâ€“Tropsch synthesis. RSC Advances, 2015, 5, 58727-58733.	3.6	5
90	Preparation of hierarchical porous-structured Fe₃O₄ microspheres for Fischerâ€“Tropsch synthesis. New Journal of Chemistry, 2015, 39, 8928-8932.	2.8	5

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91	Fe2O3 modification promotes the photocatalytic performance of TiO2 nanotube confined Pd nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 380, 111865.	3.9	5
92	In2O3 anchored Fe2O3 nanorod arrays for enhanced photoelectrochemical performance. Thin Solid Films, 2021, 724, 138600.	1.8	5
93	Enhanced photoelectrocatalytic performance of heterostructured TiO2-based nanoparticles decorated nanotubes. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	4
94	Nanocubic Li4Ti5O12 Derived from H-Titanate Nanotubes as Anode Material for Lithium-Ion Batteries. Journal of Electronic Materials, 2020, 49, 3883-3889.	2.2	4
95	Layered Fe(III) doped TiO2 thin-film electrodes for the photoelectrocatalytic oxidation of glucose and potassium hydrogen phthalate. Science Bulletin, 2011, 56, 2475-2480.	1.7	3
96	Cu nanoparticles confined in TiO₂ nanotubes to enhance the water-gas shift reaction activity. International Journal of Green Energy, 2021, 18, 595-601.	3.8	3
97	Highly dispersed Ni-based catalysts derived from the LaNiO₃ perovskite for dry methane reforming: promotional effect of the Ni⁰â€“Ni²⁺ dipole inlaid on the support. New Journal of Chemistry, 0, , .	2.8	3
98	The mechanism of enhanced charge separation and photocatalytic activity for Au@TiO2 core-shell nanocomposite. International Journal of Environmental Analytical Chemistry, 2020, , 1-11.	3.3	2
99	Influence of TiO2 crystallinity on TiO2 nanotube confined CdS nanoparticles for photocatalytic hydrogen production. Inorganic and Nano-Metal Chemistry, 2020, 50, 599-605.	1.6	2
100	Copper oxide nanoparticles confined in TiO2 nanotubes for the waterâ€“gas shift reaction: promotional effect of potassium. Journal of Materials Research, 2021, 36, 4475.	2.6	2
101	Ultrasound-Assisted Fabrication of AgBr/Ag3PO4/TiO2Nanorod Heterostructure on Ti Mesh. ECS Journal of Solid State Science and Technology, 2015, 4, Q67-Q71.	1.8	1
102	Synthesis, characterization and photocatalytic activity of TiO2 nanotube assembled hierarchical microspheres. Inorganic and Nano-Metal Chemistry, 2017, 47, 1733-1740.	1.6	1
103	CeO 2 â€TiO 2 Hybidâ€Nanotubes with Tunable Oxygen Vacancies as the Support to Confine Pt Nanoparticles for the Lowâ€Temperature Waterâ€Gas Shift Reaction. ChemistrySelect, 2021, 6, 11900-11907.	1.5	1
104	Platinum Nanoparticles Uniformly Dispersed on Covalent Organic Framework Supports for Selective Synthesis of Secondary Amines. ChemCatChem, 0, , .	3.7	1
105	Cu-Y2O3 Catalyst Derived from Cu2Y2O5 Perovskite for Water Gas Shift Reaction: The Effect of Reduction Temperature. Catalysts, 2022, 12, 481.	3.5	0
106	Heterostructure catalyst of Cu-Y2O3 supported on Cu2Y2O5 perovskite in solar-driven water gas shift reaction. Research on Chemical Intermediates, 0, , .	2.7	0