Haijin Li

List of Publications by Year
in descending order

42	2,872	396890	290703
papers	citations	19 h-index	40 g-index

42	42	42	4183
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stateâ€ofâ€theâ€Art Progress in Diverse Heterostructured Photocatalysts toward Promoting Photocatalytic Performance. Advanced Functional Materials, 2015, 25, 998-1013.	15.2	706
2	Zâ€Scheme Photocatalytic Systems for Promoting Photocatalytic Performance: Recent Progress and Future Challenges. Advanced Science, 2016, 3, 1500389.	11.5	600
3	Construction and Nanoscale Detection of Interfacial Charge Transfer of Elegant Z-Scheme WO₃/Au/In₂S₃ Nanowire Arrays. Nano Letters, 2016, 16, 5547-5552.	9.4	217
4	Urchin-like hierarchical CoZnAl-LDH/RGO/g-C3N4 hybrid as a Z-scheme photocatalyst for efficient and selective CO2 reduction. Applied Catalysis B: Environmental, 2019, 255, 117771.	20.6	212
5	Au@TiO₂yolkâ€“shell hollow spheres for plasmon-induced photocatalytic reduction of CO₂to solar fuel via a local electromagnetic field. Nanoscale, 2015, 7, 14232-14236.	5.7	153
6	All-solid-state Z-scheme system arrays of Fe₂V₄O₁₃/RGO/CdS for visible light-driving photocatalytic CO₂ reduction into renewable hydrocarbon fuel. Chemical Communications, 2015, 51, 800-803.	4.3	139
7	Construction of unique two-dimensional MoS₂â€“TiO₂ hybrid nanojunctions: MoS₂ as a promising cost-effective cocatalyst toward improved photocatalytic reduction of CO₂ to methanol. Nanoscale, 2017, 9, 9065-9070.	5.7	134
8	State-of-the-art advancements of crystal facet-exposed photocatalysts beyond TiO2: Design and dependent performance for solar energy conversion and environment applications. Materials Today, 2020, 33, 75-86.	14.7	97
9	Rational construction of a CdS/reduced graphene oxide/TiO₂coreâ€“shell nanostructure as an all-solid-state Z-scheme system for CO₂photoreduction into solar fuels. RSC Advances, 2015, 5, 88409-88413.	3.7	71
10	Rational and scalable fabrication of high-quality WO3/CdS core/shell nanowire arrays for photoanodes toward enhanced charge separation and transport under visible light. Nanoscale, 2013, 5, 11933.	5.7	66
11	Deep-Ultravioletâ€“Blue-Light Surface Plasmon Resonance of Al and Al_{core}/Al₂O_{3shell} in Spherical and Cylindrical Nanostructures. Journal of Physical Chemistry C, 2012, 116, 15584-15590.	3.2	58
12	Construction of an all-solid-state artificial Z-scheme system consisting of Bi₂WO₆/Au/CdS nanostructure for photocatalytic CO₂ reduction into renewable hydrocarbon fuel. Nanotechnology, 2017, 28, 274002.	2.7	56
13	Na₂V₆O₁₆Â·xH₂O nanoribbons: large-scale synthesis and visible-light photocatalytic activity of CO₂into solar fuels. Nanoscale, 2014, 6, 1896-1900.	5.7	50
14	Synthesis of single-crystalline, porous TaON microspheres toward visible-light photocatalytic conversion of CO₂ into liquid hydrocarbon fuels. RSC Advances, 2016, 6, 90792-90796.	3.7	34
15	Synthesis of Bi6Mo2O15 sub-microwires via a molten salt method and enhancing the photocatalytic reduction of CO2 into solar fuel through tuning the surface oxide vacancies by simple post-heating treatment. CrystEngComm, 2013, 15, 9855.	2.6	30
16	Enhanced thermoelectric properties of neodymium intercalated compounds NdxTiS2. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 348, 379-385.	2.2	29
17	Transport and thermoelectric properties of nanocrystal substitutional semiconductor alloys (Mg1â”xCdx)3Sb2 doped with Ag. Journal of Alloys and Compounds, 2009, 484, 498-504.	5.6	29
18	Engineered Sn- and Mg-doped hematite photoanodes for efficient photoelectrochemical water oxidation. Dalton Transactions, 2020, 49, 11282-11289.	3.4	27

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19	Enhanced thermoelectric properties of bismuth intercalated compounds BixTiS2. Solid State Communications, 2005, 135, 237-240.	1.9	22
20	Formation of 3D interconnectively macro/mesoporous TiO₂ sponges through gelation of lotus root starch toward CO₂ photoreduction into hydrocarbon fuels. RSC Advances, 2014, 4, 43172-43177.	3.7	15
21	Fabrication of Ultrathin Two-Dimensional/Two-Dimensional MoS₂/ZnIn₂S₄ Hybrid Nanosheets for Highly Efficient Visible-Light-Driven Photocatalytic Hydrogen Evolution. ACS Applied Energy Materials, 2022, 5, 8232-8240.	5.3	14
22	Enhanced photoelectrochemical water oxidation in Hematite: Accelerated charge separation with Co doping. Applied Surface Science, 2021, 568, 150606.	6.2	13
23	Electrical transport and thermoelectric properties of Y1â^'xCaxCoO3 (0â©½xâ©½0.1) at high temperatures. Journal of Applied Physics, 2007, 101, 083709.	2.5	11
24	Transport and thermoelectric properties of Cr1â^'xMnxSb2 at low temperatures. Journal of Alloys and Compounds, 2009, 467, 299-304.	5.6	9
25	Effect of Sr substitution on electrical transport and thermoelectric properties of Y1â^'xSrxCoO3 (0â‰¤xâ‰¤0.2) prepared by solâ€“gel process. Ceramics International, 2013, 39, 8189-8194.	4.9	8
26	High-yield synthesis of Ce modified Feâ€“Mn composite oxides benefitting from catalytic destruction of chlorobenzene. RSC Advances, 2020, 10, 10030-10037.	3.7	8
27	Solar energy protects steels against corrosion: Advancing Sn doped hematite as photoanode. Surface and Coatings Technology, 2021, 427, 127838.	4.9	8
28	Transport and thermoelectric properties of CrSb2â^'xTex at low temperatures. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 149, 53-57.	3.6	7
29	The effect of Sn substitution for Sb on transport and thermoelectric properties of CrSb2 at low temperatures. Journal of Alloys and Compounds, 2009, 472, 400-405.	5.6	7
30	The effects of high-pressure compression on transport and thermoelectric properties of TiS2 at low temperatures from 5 to 310 K. Journal of Applied Physics, 2008, 103, 123704.	2.5	6
31	Resistivity, thermopower, and thermal conductivity of nickel doped compounds Cr1â^'xNixSb2 at low temperatures. Journal of Alloys and Compounds, 2011, 509, 3677-3681.	5.6	5
32	Efficient degradation of sulfamethoxazole under visible light irradiation by polyaniline/copper sulfide composite photocatalyst. Environmental Science and Pollution Research, 2022, 29, 36502-36511.	5.3	5
33	The effect of Ti substitution for Cr on transport and thermoelectric properties of CrSb2 at low temperatures. Journal of Alloys and Compounds, 2010, 506, 917-922.	5.6	4
34	The effect of Fe substitution on the electrical and thermal conductivity and thermopower of Ca3(FexCo1â^'x)4O9 synthesised by a solâ€“gel process. Journal of Physics and Chemistry of Solids, 2014, 75, 606-610.	4.0	4
35	Temperature dependence of electrical resistivity for Sr-doped perovskite-type oxide Y1-xSrxCoO3 prepared by sol-gel process. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 047202.	0.5	4
36	Photocatalytic application of Z-type system. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 094209.	0.5	4

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37	Understanding the effect of interface on the charge separation in Bi2S3@Sn: Î±-Fe2O3 heterojunction for photoelectrochemical water oxidation. Renewable Energy, 2022, 191, 195-203.	8.9	4
38	Thermoelectric properties of Al substituted misfit cobaltite Ca3(Co1â^'x Al x)4O9 at low temperature. International Journal of Minerals, Metallurgy and Materials, 2014, 21, 720-725.	5.0	2
39	Controllable synthesis of Coâ€“Al layered double hydroxides with different anionic intercalation layers for the efficient removal of methyl orange. Environmental Technology (United Kingdom), 2023, 44, 3004-3017.	2.3	2
40	Accelerated oxygen evolution kinetics on hematite by Zn2+ for boosting the photoelectrochemical water oxidation. Journal of Alloys and Compounds, 2022, 919, 165853.	5.6	2
41	Electrical transport properties of YCo _{1 â^' x} Mn _x O ₃ (0 â‰¤ x â‰¤ 0.2) prepared by solâ€“gel process. Chinese Physics B, 2015, 24, 047202.	1.4	0
42	Construction and Nanoscale Detection of Interfacial Charge Transfer of Elegant Z-Scheme WO/Au/InS Nanowire Arrays. Nano Letters, 2016, , .	9.4	0