

# Shanshan Chen

## List of Publications by Citations

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38  
papers

3,038  
citations

23  
h-index

40  
g-index

40  
ext. papers

3,760  
ext. citations

12.9  
avg, IF

5.64  
L-index

#	Paper	IF	Citations
38	Particulate photocatalysts for overall water splitting. <i>Nature Reviews Materials</i> , <b>2017</b> , 2,	73.3	902
37	A tantalum nitride photoanode modified with a hole-storage layer for highly stable solar water splitting. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 7295-9	16.4	296
36	Overall water splitting by Ta <sub>3</sub> N <sub>5</sub> nanorod single crystals grown on the edges of KTaO <sub>3</sub> particles. <i>Nature Catalysis</i> , <b>2018</b> , 1, 756-763	36.5	259
35	Interface engineering of a CoO(x)/Ta <sub>3</sub> N <sub>5</sub> photocatalyst for unprecedented water oxidation performance under visible-light-irradiation. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 3047-51	16.4	219
34	Efficient Visible-Light-Driven Z-Scheme Overall Water Splitting Using a MgTa <sub>2</sub> O <sub>6</sub> (1-x)N <sub>y</sub> /TaON Heterostructure Photocatalyst for H <sub>2</sub> Evolution. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8498-501	16.4	205
33	Efficient Redox-Mediator-Free Z-Scheme Water Splitting Employing Oxysulfide Photocatalysts under Visible Light. <i>ACS Catalysis</i> , <b>2018</b> , 8, 1690-1696	13.1	90
32	Surface Strategies for Particulate Photocatalysts toward Artificial Photosynthesis. <i>Joule</i> , <b>2018</b> , 2, 2260-2288	27.8	89
31	Achievement of visible-light-driven Z-scheme overall water splitting using barium-modified TaN as a H-evolving photocatalyst. <i>Chemical Science</i> , <b>2017</b> , 8, 437-443	9.4	81
30	Nitrogen-doped layered oxide Sr <sub>5</sub> Ta <sub>4</sub> O <sub>15</sub> N <sub>x</sub> for water reduction and oxidation under visible light irradiation. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 5651	13	79
29	Visible Light-Driven Z-Scheme Water Splitting Using Oxysulfide H Evolution Photocatalysts. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 3892-3896	6.4	78
28	Photocatalyst Sheets Composed of Particulate LaMg <sub>1/3</sub> Ta <sub>2</sub> /3O <sub>2</sub> N and Mo-Doped BiVO <sub>4</sub> for Z-Scheme Water Splitting under Visible Light. <i>ACS Catalysis</i> , <b>2016</b> , 6, 7188-7196	13.1	68
27	A wide visible-light-responsive tunneled MgTa <sub>2</sub> O <sub>6</sub> (1-x)N <sub>x</sub> photocatalyst for water oxidation and reduction. <i>Chemical Communications</i> , <b>2014</b> , 50, 14415-7	5.8	63
26	Efficient Visible-Light-Driven Z-Scheme Overall Water Splitting Using a MgTa <sub>2</sub> O <sub>6</sub> (1-x)N <sub>y</sub> /TaON Heterostructure Photocatalyst for H <sub>2</sub> Evolution. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8618-8621	3.6	56
25	Visible-Light-Driven Photocatalytic Water Splitting: Recent Progress and Challenges. <i>Trends in Chemistry</i> , <b>2020</b> , 2, 813-824	14.8	53
24	Magnesia interface nanolayer modification of Pt/Ta <sub>3</sub> N <sub>5</sub> for promoted photocatalytic hydrogen production under visible light irradiation. <i>Journal of Catalysis</i> , <b>2016</b> , 339, 77-83	7.3	52
23	Photoreduced Graphene Oxide as a Conductive Binder to Improve the Water Splitting Activity of Photocatalyst Sheets. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7011-7019	15.6	47
22	Metal selenide photocatalysts for visible-light-driven Z-scheme pure water splitting. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 7415-7422	13	46

21	Sequential cocatalyst decoration on BaTaON towards highly-active Z-scheme water splitting. <i>Nature Communications</i> , <b>2021</b> , 12, 1005	17.4	46
20	A Tantalum Nitride Photoanode Modified with a Hole-Storage Layer for Highly Stable Solar Water Splitting. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 7423-7427	3.6	44
19	Interface Engineering of a CoOx/Ta3N5 Photocatalyst for Unprecedented Water Oxidation Performance under Visible-Light-Irradiation. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3090-3094	3.6	40
18	Synthesis, Features, and Applications of Mesoporous Titania with TiO2(B). <i>Chinese Journal of Catalysis</i> , <b>2010</b> , 31, 605-614	11.3	33
17	Surface Modifications of (ZnSe)(CuGaSe) to Promote Photocatalytic Z-Scheme Overall Water Splitting. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 10633-10641	16.4	29
16	Inhibiting competing reactions of iodate/iodide redox mediators by surface modification of photocatalysts to enable Z-scheme overall water splitting. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 224, 579-585	21.8	23
15	Unraveling of cocatalysts photodeposited selectively on facets of BiVO to boost solar water splitting.. <i>Nature Communications</i> , <b>2022</b> , 13, 484	17.4	21
14	Visible-Light-Driven Photocatalytic Z-Scheme Overall Water Splitting in La Ti AgS O -based Powder-Suspension System. <i>ChemSusChem</i> , <b>2019</b> , 12, 1906-1910	8.3	20
13	Metal selenides for photocatalytic Z-scheme pure water splitting mediated by reduced graphene oxide. <i>Chinese Journal of Catalysis</i> , <b>2019</b> , 40, 1668-1672	11.3	15
12	Understanding the effect of partial N3Eto-O2Esubstitution and H+-to-K+ exchange on photocatalytic water reduction activity of RuddlesdenPopper layered perovskite KLaTiO4. <i>Molecular Catalysis</i> , <b>2017</b> , 432, 250-258	3.3	14
11	Efficient photocatalytic hydrogen evolution on single-crystalline metal selenide particles with suitable cocatalysts. <i>Chemical Science</i> , <b>2020</b> , 11, 6436-6441	9.4	13
10	Recent progress on photocatalysts with wide visible light range absorption for heterogeneous water splitting. <i>Chinese Journal of Catalysis</i> , <b>2014</b> , 35, 1431-1432	11.3	12
9	Preparation and Characterization of Mesoporous MoO3/TiO2 Composite with High Surface Area by Self-Supporting and Ammonia Method. <i>Catalysis Letters</i> , <b>2012</b> , 142, 480-485	2.8	11
8	Plate-like Sm2Ti2S2O5 Particles Prepared by a Flux-Assisted One-Step Synthesis for the Evolution of O2 from Aqueous Solutions by Both Photocatalytic and Photoelectrochemical Reactions. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 13492-13499	3.8	9
7	Oxidation of Carbon Monoxide over a Fibrous Titania-Supported Gold Catalyst. <i>Chinese Journal of Catalysis</i> , <b>2009</b> , 30, 421-425	11.3	9
6	Synthesis of a Ga-doped La5Ti2Cu0.9Ag0.1O7S5 photocatalyst by thermal sulfidation for hydrogen evolution under visible light. <i>Journal of Catalysis</i> , <b>2021</b> , 399, 230-236	7.3	5
5	Interfacial Engineering of NiMo/Mesoporous TiO2 Catalyst with Carbon for Enhanced Hydrodesulfurization Performance. <i>Catalysis Letters</i> , <b>2018</b> , 148, 992-1002	2.8	3
4	A Na-containing Pt cocatalyst for efficient visible-light-induced hydrogen evolution on BaTaO2N. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 13851-13854	13	3

3	Highly Crystalline TiO <sub>2</sub> Whisker Modified with Pt and Its Photocatalytic Performance. <i>Chinese Journal of Catalysis</i> , <b>2010</b> , 31, 1271-1276	11.3	2
2	A one-step synthesis of a TaN nanorod photoanode from Ta plates and NHCl powder for photoelectrochemical water oxidation. <i>Chemical Communications</i> , <b>2020</b> , 56, 11843-11846	5.8	2
1	Cocatalyst engineering of a narrow bandgap Ga-La <sub>5</sub> Ti <sub>2</sub> Cu <sub>0.9</sub> Ag <sub>0.1</sub> O <sub>7.5</sub> S photocatalyst towards effectively enhanced water splitting. <i>Journal of Materials Chemistry A</i> ,	13	1