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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30 papers	3,792 citations	22 h-index	30 g-index
30 ext. papers	4,982 ext. citations	19.7 avg, IF	6.41 L-index

#	Paper	IF	Citations
30	Scalable water splitting on particulate photocatalyst sheets with a solar-to-hydrogen energy conversion efficiency exceeding 1. <i>Nature Materials</i> , 2016 , 15, 611-5	27	979
29	Particulate Photocatalysts for Light-Driven Water Splitting: Mechanisms, Challenges, and Design Strategies. <i>Chemical Reviews</i> , 2020 , 120, 919-985	68.1	765
28	A Particulate Photocatalyst Water-Splitting Panel for Large-Scale Solar Hydrogen Generation. <i>Joule</i> , 2018 , 2, 509-520	27.8	307
27	Overall water splitting by Ta ₃ N ₅ nanorod single crystals grown on the edges of KTaO ₃ particles. <i>Nature Catalysis</i> , 2018 , 1, 756-763	36.5	259
26	Particulate Photocatalyst Sheets Based on Carbon Conductor Layer for Efficient Z-Scheme Pure-Water Splitting at Ambient Pressure. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1675-1683	16.4	252
25	Oxysulfide photocatalyst for visible-light-driven overall water splitting. <i>Nature Materials</i> , 2019 , 18, 827-832	37	222
24	Core/Shell Structured La- and Rh-Codoped SrTiO ₃ as a Hydrogen Evolution Photocatalyst in Z-Scheme Overall Water Splitting under Visible Light Irradiation. <i>Chemistry of Materials</i> , 2014 , 26, 4144-4150	8.6	197
23	Z-scheme water splitting using particulate semiconductors immobilized onto metal layers for efficient electron relay. <i>Journal of Catalysis</i> , 2015 , 328, 308-315	7.3	91
22	Efficient Redox-Mediator-Free Z-Scheme Water Splitting Employing Oxysulfide Photocatalysts under Visible Light. <i>ACS Catalysis</i> , 2018 , 8, 1690-1696	13.1	90
21	Photocatalyst Sheets Composed of Particulate LaMg _{1/3} Ta _{2/3} O ₂ N and Mo-Doped BiVO ₄ for Z-Scheme Water Splitting under Visible Light. <i>ACS Catalysis</i> , 2016 , 6, 7188-7196	13.1	68
20	Molecularly engineered photocatalyst sheet for scalable solar formate production from carbon dioxide and water. <i>Nature Energy</i> , 2020 , 5, 703-710	62.3	67
19	Synthesis of Nanostructured BaTaO ₂ N Thin Films as Photoanodes for Solar Water Splitting. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 15758-15764	3.8	55
18	Photoreduced Graphene Oxide as a Conductive Binder to Improve the Water Splitting Activity of Photocatalyst Sheets. <i>Advanced Functional Materials</i> , 2016 , 26, 7011-7019	15.6	47
17	Metal selenide photocatalysts for visible-light-driven Z-scheme pure water splitting. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7415-7422	13	46
16	Printable Photocatalyst Sheets Incorporating a Transparent Conductive Mediator for Z-Scheme Water Splitting. <i>Joule</i> , 2018 , 2, 2667-2680	27.8	41
15	Revealing the role of the Rh valence state, La doping level and Ru cocatalyst in determining the H ₂ evolution efficiency in doped SrTiO ₃ photocatalysts. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 208-218	5.8	36
14	Particulate photocatalyst sheets for Z-scheme water splitting: advantages over powder suspension and photoelectrochemical systems and future challenges. <i>Faraday Discussions</i> , 2017 , 197, 491-504	3.6	34

13	Application of LaMg ₁ /3Ta ₂ /3O ₂ N as a hydrogen evolution photocatalyst of a photocatalyst sheet for Z-scheme water splitting. <i>Applied Catalysis A: General</i> , 2016 , 521, 26-33	5.1	28
12	Rational Interpretation of Correlated Kinetics of Mobile and Trapped Charge Carriers: Analysis of Ultrafast Carrier Dynamics in BiVO ₄ . <i>Journal of Physical Chemistry C</i> , 2017 , 121, 19044-19052	3.8	28
11	Physicochemical properties and photocatalytic H ₂ evolution activity of Rh-doped La ₂ Ti ₂ O ₇ prepared by molten salt synthesis. <i>Catalysis Science and Technology</i> , 2013 , 3, 2098	5.5	28
10	Single crystalline quaternary sulfide nanobelts for efficient solar-to-hydrogen conversion. <i>Nature Communications</i> , 2020 , 11, 5194	17.4	27
9	Linking in situ charge accumulation to electronic structure in doped SrTiO reveals design principles for hydrogen-evolving photocatalysts. <i>Nature Materials</i> , 2021 , 20, 511-517	27	24
8	Visible-Light-Driven Photocatalytic Z-Scheme Overall Water Splitting in La Ti AgS O -based Powder-Suspension System. <i>ChemSusChem</i> , 2019 , 12, 1906-1910	8.3	20
7	A three-dimensional hybrid electrode with electroactive microbes for efficient electrogenesis and chemical synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 5074-5080	11.5	19
6	Particulate photocatalyst sheets based on non-oxide semiconductor materials for water splitting under visible light irradiation. <i>Catalysis Science and Technology</i> , 2018 , 8, 3918-3925	5.5	17
5	Mutually-dependent kinetics and energetics of photocatalyst/co-catalyst/two-redox liquid junctions. <i>Energy and Environmental Science</i> , 2020 , 13, 162-173	35.4	17
4	Formation of hierarchical Bi ₂ MoO ₆ /In ₂ S ₃ S-scheme heterojunction with rich oxygen vacancies for boosting photocatalytic CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2022 , 429, 132456	14.7	15
3	Strategies to improve light utilization in solar fuel synthesis. <i>Nature Energy</i> ,	62.3	12
2	Self-propelled jet carbon micromotor enhanced photocatalytic performance for water splitting. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 17187-17196	6.7	1
1	Photocatalytic Z-scheme water splitting 2021 , 131-176		