List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A metal-free polymeric photocatalyst for hydrogen production from water under visibleÂlight. Nature Materials, 2009, 8, 76-80.	27.5	10,442
2	Recent advances in semiconductors for photocatalytic and photoelectrochemical water splitting. Chemical Society Reviews, 2014, 43, 7520-7535.	38.1	3,748
3	Photocatalyst releasing hydrogen from water. Nature, 2006, 440, 295-295.	27.8	2,627
4	Photocatalytic Water Splitting: Recent Progress and Future Challenges. Journal of Physical Chemistry Letters, 2010, 1, 2655-2661.	4.6	2,306
5	Recent developments in heterogeneous photocatalysts for solar-driven overall water splitting. Chemical Society Reviews, 2019, 48, 2109-2125.	38.1	1,639
6	Polymer Semiconductors for Artificial Photosynthesis: Hydrogen Evolution by Mesoporous Graphitic Carbon Nitride with Visible Light. Journal of the American Chemical Society, 2009, 131, 1680-1681.	13.7	1,618
7	Particulate Photocatalysts for Light-Driven Water Splitting: Mechanisms, Challenges, and Design Strategies. Chemical Reviews, 2020, 120, 919-985.	47.7	1,605
8	Particulate photocatalysts for overall water splitting. Nature Reviews Materials, 2017, 2, .	48.7	1,427
9	New Non-Oxide Photocatalysts Designed for Overall Water Splitting under Visible Light. Journal of Physical Chemistry C, 2007, 111, 7851-7861.	3.1	1,383
10	GaN:ZnO Solid Solution as a Photocatalyst for Visible-Light-Driven Overall Water Splitting. Journal of the American Chemical Society, 2005, 127, 8286-8287.	13.7	1,317
11	Synthesis of a Carbon Nitride Structure for Visible‣ight Catalysis by Copolymerization. Angewandte Chemie - International Edition, 2010, 49, 441-444.	13.8	1,312
12	Scalable water splitting on particulate photocatalyst sheets with a solar-to-hydrogen energy conversion efficiency exceeding 1%. Nature Materials, 2016, 15, 611-615.	27.5	1,311
13	Photocatalytic water splitting with a quantum efficiency of almost unity. Nature, 2020, 581, 411-414.	27.8	1,227
14	Accelerating materials development for photoelectrochemical hydrogen production: Standards for methods, definitions, and reporting protocols. Journal of Materials Research, 2010, 25, 3-16.	2.6	1,032
15	Reaction systems for solar hydrogen production via water splitting with particulate semiconductor photocatalysts. Nature Catalysis, 2019, 2, 387-399.	34.4	985
16	Self-Templated Synthesis of Nanoporous CdS Nanostructures for Highly Efficient Photocatalytic Hydrogen Production under Visible Light. Chemistry of Materials, 2008, 20, 110-117.	6.7	919
17	Conduction and Valence Band Positions of Ta2O5, TaON, and Ta3N5by UPS and Electrochemical Methods. Journal of Physical Chemistry B, 2003, 107, 1798-1803.	2.6	917
18	Oxysulfide Sm2Ti2S2O5as a Stable Photocatalyst for Water Oxidation and Reduction under Visible Light Irradiation (λ ≤550 nm). Journal of the American Chemical Society, 2002, 124, 13547-13553.	13.7	890

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19	Cu2O as a photocatalyst for overall water splitting under visible light irradiation. Chemical Communications, 1998, , 357-358.	4.1	747
20	Photocatalytic solar hydrogen production from water on a 100-m2 scale. Nature, 2021, 598, 304-307.	27.8	728
21	Sulfur-mediated synthesis of carbon nitride: Band-gap engineering and improved functions for photocatalysis. Energy and Environmental Science, 2011, 4, 675-678.	30.8	704
22	Photocatalytic Activities of Graphitic Carbon Nitride Powder for Water Reduction and Oxidation under Visible Light. Journal of Physical Chemistry C, 2009, 113, 4940-4947.	3.1	690
23	Efficient Nonsacrificial Water Splitting through Two-Step Photoexcitation by Visible Light using a Modified Oxynitride as a Hydrogen Evolution Photocatalyst. Journal of the American Chemical Society, 2010, 132, 5858-5868.	13.7	660
24	An oxynitride, TaON, as an efficient water oxidation photocatalyst under visible light irradiation (λ â‰≱Tj ETQq(0 0 0 rgBT 4.1	/Oygdock 10
25	Single-crystalline, wormlike hematite photoanodes for efficient solar water splitting. Scientific Reports, 2013, 3, 2681.	3.3	580
26	Surface Modification of CoO _{<i>x</i>} Loaded BiVO ₄ Photoanodes with Ultrathin <i>p</i> -Type NiO Layers for Improved Solar Water Oxidation. Journal of the American Chemical Society, 2015, 137, 5053-5060.	13.7	542
27	Noble-Metal/Cr2O3 Core/Shell Nanoparticles as a Cocatalyst for Photocatalytic Overall Water Splitting. Angewandte Chemie - International Edition, 2006, 45, 7806-7809.	13.8	537
28	Acid-Catalyzed Reactions on Flexible Polycyclic Aromatic Carbon in Amorphous Carbon. Chemistry of Materials, 2006, 18, 3039-3045.	6.7	509
29	A Particulate Photocatalyst Water-Splitting Panel for Large-Scale Solar Hydrogen Generation. Joule, 2018, 2, 509-520.	24.0	468
30	Photoreactions on LaTiO2N under Visible Light Irradiation. Journal of Physical Chemistry A, 2002, 106, 6750-6753.	2.5	443
31	Facile Fabrication of an Efficient Oxynitride TaON Photoanode for Overall Water Splitting into H ₂ and O ₂ under Visible Light Irradiation. Journal of the American Chemical Society, 2010, 132, 11828-11829.	13.7	437
32	Oxysulfide photocatalyst for visible-light-driven overall water splitting. Nature Materials, 2019, 18, 827-832.	27.5	422
33	Artificial Z-Scheme Constructed with a Supramolecular Metal Complex and Semiconductor for the Photocatalytic Reduction of CO ₂ . Journal of the American Chemical Society, 2013, 135, 4596-4599.	13.7	404
34	Ordered Mesoporous SBA-15 Type Graphitic Carbon Nitride: A Semiconductor Host Structure for Photocatalytic Hydrogen Evolution with Visible Light. Chemistry of Materials, 2009, 21, 4093-4095.	6.7	392
35	Overall water splitting by Ta3N5 nanorod single crystals grown on the edges of KTaO3 particles. Nature Catalysis, 2018, 1, 756-763.	34.4	390
36	RuO2-Loaded β-Ge3N4as a Non-Oxide Photocatalyst for Overall Water Splitting. Journal of the American Chemical Society, 2005, 127, 4150-4151.	13.7	388

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37	Overall Water Splitting on (Ga1-xZnx)(N1-xOx) Solid Solution Photocatalyst:Â Relationship between Physical Properties and Photocatalytic Activity. Journal of Physical Chemistry B, 2005, 109, 20504-20510.	2.6	384
38	Cobalt-Modified Porous Single-Crystalline LaTiO ₂ N for Highly Efficient Water Oxidation under Visible Light. Journal of the American Chemical Society, 2012, 134, 8348-8351.	13.7	382
39	Mechanism of photocatalytic decomposition of water into H2 and O2 over NiO\$z.sbnd;SrTiO3. Journal of Catalysis, 1986, 102, 92-98.	6.2	380
40	A Complex Perovskiteâ€Type Oxynitride: The First Photocatalyst for Water Splitting Operable at up to 600â€nm. Angewandte Chemie - International Edition, 2015, 54, 2955-2959.	13.8	379
41	Highly Stable Water Splitting on Oxynitride TaON Photoanode System under Visible Light Irradiation. Journal of the American Chemical Society, 2012, 134, 6968-6971.	13.7	378
42	Ta3N5as a Novel Visible Light-Driven Photocatalyst (λ<600 nm). Chemistry Letters, 2002, 31, 736-737.	1.3	377
43	Photocatalytic decomposition of water vapour on an NiO–SrTiO3catalyst. Journal of the Chemical Society Chemical Communications, 1980, , 543-544.	2.0	369
44	Photocatalytic Activity Enhancing for Titanium Dioxide by Co-doping with Bromine and Chlorine. Chemistry of Materials, 2004, 16, 846-849.	6.7	367
45	Vertically Aligned Ta ₃ N ₅ Nanorod Arrays for Solarâ€Driven Photoelectrochemical Water Splitting. Advanced Materials, 2013, 25, 125-131.	21.0	363
46	Photocatalytic decomposition of water into hydrogen and oxygen over nickel(II) oxide-strontium titanate (SrTiO3) powder. 1. Structure of the catalysts. The Journal of Physical Chemistry, 1986, 90, 292-295.	2.9	360
47	Photocatalytic Overall Water Splitting Promoted by Two Different Cocatalysts for Hydrogen and Oxygen Evolution under Visible Light. Angewandte Chemie - International Edition, 2010, 49, 4096-4099.	13.8	356
48	Photocatalytic Decomposition of Water on Spontaneously Hydrated Layered Perovskites. Chemistry of Materials, 1997, 9, 1063-1064.	6.7	351
49	Solid Solution of GaN and ZnO as a Stable Photocatalyst for Overall Water Splitting under Visible Light. Chemistry of Materials, 2010, 22, 612-623.	6.7	346
50	Particle suspension reactors and materials for solar-driven water splitting. Energy and Environmental Science, 2015, 8, 2825-2850.	30.8	344
51	TaON and Ta3N5 as new visible light driven photocatalysts. Catalysis Today, 2003, 78, 555-560.	4.4	339
52	Photocatalytic hydrogen evolution on dye-sensitized mesoporous carbon nitride photocatalyst with magnesium phthalocyanine. Physical Chemistry Chemical Physics, 2010, 12, 13020.	2.8	325
53	A new type of water splitting system composed of two different TiO2 photocatalysts (anatase, rutile) and a IO3â^'/lâ^' shuttle redox mediator. Chemical Physics Letters, 2001, 344, 339-344.	2.6	323
54	Particulate Photocatalyst Sheets Based on Carbon Conductor Layer for Efficient Z-Scheme Pure-Water Splitting at Ambient Pressure. Journal of the American Chemical Society, 2017, 139, 1675-1683.	13.7	322

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55	Photo- and Mechano-Catalytic Overall Water Splitting Reactions to Form Hydrogen and Oxygen on Heterogeneous Catalysts. Bulletin of the Chemical Society of Japan, 2000, 73, 1307-1331.	3.2	316
56	A Frontâ€Illuminated Nanostructured Transparent BiVO ₄ Photoanode for >2% Efficient Water Splitting. Advanced Energy Materials, 2016, 6, 1501645.	19.5	313
57	Fabrication of efficient TaON and Ta3N5 photoanodes for water splitting under visible light irradiation. Energy and Environmental Science, 2011, 4, 4138.	30.8	312
58	Cobalt phosphate-modified barium-doped tantalum nitride nanorod photoanode with 1.5% solar energy conversion efficiency. Nature Communications, 2013, 4, 2566.	12.8	306
59	Photocatalytic overall water splitting under visible light by TaON and WO3 with an IO3–/I– shuttle redox mediator. Chemical Communications, 2005, , 3829.	4.1	300
60	Ultrastable low-bias water splitting photoanodes via photocorrosion inhibition and in situ catalystÂregeneration. Nature Energy, 2017, 2, .	39.5	298
61	Photocatalytic Water Splitting Using Modified GaN:ZnO Solid Solution under Visible Light: Long-Time Operation and Regeneration of Activity. Journal of the American Chemical Society, 2012, 134, 8254-8259.	13.7	296
62	Photocatalytic Overall Water Splitting under Visible Light Using ATaO ₂ N (A = Ca, Sr, Ba) and WO ₃ in a IO ₃ <rup>â^'/I^{â^'} Shuttle Redox Mediated System. Chemistry of Materials, 2009, 21, 1543-1549.</rup>	6.7	294
63	LaTiO2N as a Visible-Light (â‰ ® 00 nm)-Driven Photocatalyst (2). Journal of Physical Chemistry B, 2003, 107, 791-797.	2.6	288
64	Stable Hydrogen Evolution from CdS-Modified CuGaSe ₂ Photoelectrode under Visible-Light Irradiation. Journal of the American Chemical Society, 2013, 135, 3733-3735.	13.7	287
65	Fabrication of CaFe ₂ O ₄ /TaON Heterojunction Photoanode for Photoelectrochemical Water Oxidation. Journal of the American Chemical Society, 2013, 135, 5375-5383.	13.7	282
66	Effect of post-calcination on photocatalytic activity of (Ga1â^'Zn)(N1â^'O) solid solution for overall water splitting under visible light. Journal of Catalysis, 2008, 254, 198-204.	6.2	277
67	Zinc Germanium Oxynitride as a Photocatalyst for Overall Water Splitting under Visible Light. Journal of Physical Chemistry C, 2007, 111, 1042-1048.	3.1	262
68	Pt/In ₂ S ₃ /CdS/Cu ₂ ZnSnS ₄ Thin Film as an Efficient and Stable Photocathode for Water Reduction under Sunlight Radiation. Journal of the American Chemical Society, 2015, 137, 13691-13697.	13.7	262
69	Photoelectrochemical properties of LaTiO2N electrodes prepared by particle transfer for sunlight-driven water splitting. Chemical Science, 2013, 4, 1120.	7.4	258
70	Core/Shell Photocatalyst with Spatially Separated Coâ€Catalysts for Efficient Reduction and Oxidation of Water. Angewandte Chemie - International Edition, 2013, 52, 11252-11256.	13.8	254
71	Efficient Visibleâ€Lightâ€Driven Zâ€Scheme Overall Water Splitting Using a MgTa ₂ O _{6Ⱂ<i>x</i>} N _{<i>y</i>} /TaON Heterostructure Photocatalyst for H ₂ Evolution. Angewandte Chemie - International Edition, 2015, 54, 8498-8501.	13.8	252
72	Exfoliated Nanosheets as a New Strong Solid Acid Catalyst. Journal of the American Chemical Society, 2003, 125, 5479-5485.	13.7	247

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73	Photocatalytic oxidation of water by polymeric carbon nitride nanohybrids made of sustainable elements. Chemical Science, 2012, 3, 443-446.	7.4	246
74	Recent progress in the development of (oxy)nitride photocatalysts for water splitting under visible-light irradiation. Coordination Chemistry Reviews, 2013, 257, 1957-1969.	18.8	246
75	Spatially separating redox centers on 2D carbon nitride with cobalt single atom for photocatalytic H ₂ O ₂ production. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6376-6382.	7.1	245
76	Core/Shell Structured La- and Rh-Codoped SrTiO ₃ as a Hydrogen Evolution Photocatalyst in Z-Scheme Overall Water Splitting under Visible Light Irradiation. Chemistry of Materials, 2014, 26, 4144-4150.	6.7	242
77	Defect Engineering of Photocatalysts by Doping of Aliovalent Metal Cations for Efficient Water Splitting. Journal of Physical Chemistry C, 2009, 113, 19386-19388.	3.1	240
78	Role and Function of Noble-Metal/Cr-Layer Core/Shell Structure Cocatalysts for Photocatalytic Overall Water Splitting Studied by Model Electrodes. Journal of Physical Chemistry C, 2009, 113, 10151-10157.	3.1	238
79	Roles of Rh/Cr2O3(Core/Shell) Nanoparticles Photodeposited on Visible-Light-Responsive (Ga1-xZnx)(N1-xOx) Solid Solutions in Photocatalytic Overall Water Splitting. Journal of Physical Chemistry C, 2007, 111, 7554-7560.	3.1	230
80	Mesoporous Tantalum Oxide. 1. Characterization and Photocatalytic Activity for the Overall Water Decomposition. Chemistry of Materials, 2001, 13, 1194-1199.	6.7	229
81	Particulate Photocatalysts for Water Splitting: Recent Advances and Future Prospects. ACS Energy Letters, 2019, 4, 542-549.	17.4	229
82	Flux-mediated doping of SrTiO ₃ photocatalysts for efficient overall water splitting. Journal of Materials Chemistry A, 2016, 4, 3027-3033.	10.3	224
83	Efficient Overall Water Splitting under Visible-Light Irradiation on (Ga1-xZnx)(N1-xOx) Dispersed with Rhâ°'Cr Mixed-Oxide Nanoparticles:Â Effect of Reaction Conditions on Photocatalytic Activity. Journal of Physical Chemistry B, 2006, 110, 13107-13112.	2.6	218
84	SrNbO ₂ N as a Water-Splitting Photoanode with a Wide Visible-Light Absorption Band. Journal of the American Chemical Society, 2011, 133, 12334-12337.	13.7	217
85	Nanostructured WO ₃ /BiVO ₄ Photoanodes for Efficient Photoelectrochemical Water Splitting. Small, 2014, 10, 3692-3699.	10.0	217
86	Visible light-induced photocatalytic behavior of a layered perovskite-type rubidium lead niobate, RbPb2Nb3O10. The Journal of Physical Chemistry, 1993, 97, 1970-1973.	2.9	216
87	Synthesis and Photocatalytic Activity of Perovskite Niobium Oxynitrides with Wide Visible‣ight Absorption Bands. ChemSusChem, 2011, 4, 74-78.	6.8	216
88	Glucose production from saccharides using layered transition metal oxide and exfoliated nanosheets as a water-tolerant solid acid catalyst. Chemical Communications, 2008, , 5363.	4.1	214
89	Band structure engineering and defect control of Ta3N5 for efficient photoelectrochemical water oxidation. Nature Catalysis, 2020, 3, 932-940.	34.4	211
90	Photocatalytic Water-Splitting Reaction from Catalytic and Kinetic Perspectives. Catalysis Letters, 2015, 145, 95-108.	2.6	210

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91	Enhanced Water Oxidation on Ta ₃ N ₅ Photocatalysts by Modification with Alkaline Metal Salts. Journal of the American Chemical Society, 2012, 134, 19993-19996.	13.7	206
92	Fabrication of an Efficient BaTaO ₂ N Photoanode Harvesting a Wide Range of Visible Light for Water Splitting. Journal of the American Chemical Society, 2013, 135, 10238-10241.	13.7	203
93	Improvement of photocatalytic activity of (Ga1â^'xZnx)(N1â^'xOx) solid solution for overall water splitting by co-loading Cr and another transition metal. Journal of Catalysis, 2006, 243, 303-308.	6.2	198
94	Crystallization of Mesoporous Metal Oxides. Chemistry of Materials, 2008, 20, 835-847.	6.7	198
95	Positive onset potential and stability of Cu ₂ O-based photocathodes in water splitting by atomic layer deposition of a Ga ₂ O ₃ buffer layer. Energy and Environmental Science, 2015, 8, 1493-1500.	30.8	196
96	Recent progress of visible-light-driven heterogeneous photocatalysts for overall water splitting. Solid State lonics, 2004, 172, 591-595.	2.7	194
97	Two step water splitting into H2 and O2 under visible light by ATaO2N (A = Ca, Sr, Ba) and WO3 with <mml:math <br="" altimg="si1.gif" display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML">overflow="scroll"><mml:mrow><mml:msubsup><mml:mrow><mml:mtext>IO</mml:mtext></mml:mrow><mml:r Chemical Physics Letters. 2008. 452. 120-123.</mml:r </mml:msubsup></mml:mrow></mml:math>	mr ow > <mi< td=""><td>ml:mh>3</td></mi<>	ml:mh>3
98	Tungsten Carbide Nanoparticles as Efficient Cocatalysts for Photocatalytic Overall Water Splitting. ChemSusChem, 2013, 6, 168-181.	6.8	190
99	Modified Ta ₃ N ₅ Powder as a Photocatalyst for O ₂ Evolution in a Two-Step Water Splitting System with an Iodate/Iodide Shuttle Redox Mediator under Visible Light. Langmuir, 2010, 26, 9161-9165.	3.5	189
100	Enhancement of Solar Hydrogen Evolution from Water by Surface Modification with CdS and TiO ₂ on Porous CuInS ₂ Photocathodes Prepared by an Electrodeposition–Sulfurization Method. Angewandte Chemie - International Edition, 2014, 53, 11808-11812.	13.8	181
101	Characterization of Rhâ^'Cr Mixed-Oxide Nanoparticles Dispersed on (Ga1-xZnx)(N1-xOx) as a Cocatalyst for Visible-Light-Driven Overall Water Splitting. Journal of Physical Chemistry B, 2006, 110, 13753-13758.	2.6	180
102	Efficient Photocatalytic Water Splitting Using Al-Doped SrTiO ₃ Coloaded with Molybdenum Oxide and Rhodium–Chromium Oxide. ACS Catalysis, 2018, 8, 2782-2788.	11.2	180
103	Fabrication of a Core–Shell-Type Photocatalyst via Photodeposition of Group IV and V Transition Metal Oxyhydroxides: An Effective Surface Modification Method for Overall Water Splitting. Journal of the American Chemical Society, 2015, 137, 9627-9634.	13.7	178
104	Mg–Zr Cosubstituted Ta ₃ N ₅ Photoanode for Lower-Onset-Potential Solar-Driven Photoelectrochemical Water Splitting. Journal of the American Chemical Society, 2015, 137, 12780-12783.	13.7	176
105	Role and Function of Ruthenium Species as Promoters with TaON-Based Photocatalysts for Oxygen Evolution in Two-Step Water Splitting under Visible Light. Journal of Physical Chemistry C, 2011, 115, 3057-3064.	3.1	174
106	A novel series of photocatalysts with an ion-exchangeable layered structure of niobate. Catalysis Letters, 1990, 4, 339-343.	2.6	170
107	Oxysulfides Ln2Ti2S2O5as Stable Photocatalysts for Water Oxidation and Reduction under Visible-Light Irradiation. Journal of Physical Chemistry B, 2004, 108, 2637-2642.	2.6	169
108	Nanosheets as highly active solid acid catalysts for green chemical syntheses. Energy and Environmental Science, 2010, 3, 82-93.	30.8	167

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109	Photoelectrochemical Oxidation of Water Using BaTaO ₂ N Photoanodes Prepared by Particle Transfer Method. Journal of the American Chemical Society, 2015, 137, 2227-2230.	13.7	167
110	Unusual enhancement of H2 evolution by Ru on TaON photocatalyst under visible light irradiation. Chemical Communications, 2003, , 3000.	4.1	166
111	Z-scheme Overall Water Splitting on Modified-TaON Photocatalysts under Visible Light (λ<500) Tj ETQq1	1 0.78431 1.3	4 rgBT /Ove 165
112	Efficiency Accreditation and Testing Protocols for Particulate Photocatalysts toward Solar Fuel Production. Joule, 2021, 5, 344-359.	24.0	165
113	An Al-doped SrTiO ₃ photocatalyst maintaining sunlight-driven overall water splitting activity for over 1000Âh of constant illumination. Chemical Science, 2019, 10, 3196-3201.	7.4	163
114	Synthesis of Crystallized Mesoporous Tantalum Oxide and Its Photocatalytic Activity for Overall Water Splitting under Ultraviolet Light Irradiation. Chemistry of Materials, 2008, 20, 5361-5367.	6.7	162
115	Preparation of K2La2Ti3O10by Polymerized Complex Method and Photocatalytic Decomposition of Water. Chemistry of Materials, 1998, 10, 72-77.	6.7	161
116	Study of the photocatalytic decomposition of water vapor over a nickel(II) oxide-strontium titanate (SrTiO3) catalyst. The Journal of Physical Chemistry, 1982, 86, 3657-3661.	2.9	160
117	Direct Water Splitting into Hydrogen and Oxygen under Visible Light by using Modified TaON Photocatalysts with d ⁰ Electronic Configuration. Chemistry - A European Journal, 2013, 19, 4986-4991.	3.3	160
118	Photocatalytic decomposition of liquid water on a NiOî—,SrTiO3 catalyst. Chemical Physics Letters, 1982, 92, 433-434.	2.6	159
119	Preparation of Core–Shellâ€Structured Nanoparticles (with a Nobleâ€Metal or Metal Oxide Core and a) Tj ETQq European Journal, 2010, 16, 7750-7759.	1 1 0.784 3.3	314 rgBT /O 156
120	Photoelectrochemical water splitting using a Cu(In,Ga)Se2 thin film. Electrochemistry Communications, 2010, 12, 851-853.	4.7	156
121	Surface and Interface Engineering for Photoelectrochemical Water Oxidation. Joule, 2017, 1, 290-305.	24.0	156
122	Molecularly engineered photocatalyst sheet for scalable solar formate production from carbon dioxide and water. Nature Energy, 2020, 5, 703-710.	39.5	156
123	Unraveling of cocatalysts photodeposited selectively on facets of BiVO4 to boost solar water splitting. Nature Communications, 2022, 13, 484.	12.8	156
124	Efficient solar hydrogen production from neutral electrolytes using surface-modified Cu(In,Ga)Se ₂ photocathodes. Journal of Materials Chemistry A, 2015, 3, 8300-8307.	10.3	155
125	H ₂ Evolution from Water on Modified Cu ₂ ZnSnS ₄ Photoelectrode under Solar Light. Applied Physics Express, 2010, 3, 101202.	2.4	154
126	Development of Novel Photocatalyst and Cocatalyst Materials for Water Splitting under Visible Light. Bulletin of the Chemical Society of Japan, 2016, 89, 627-648.	3.2	154

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127	Visible-light-driven nonsacrificial water oxidation over tungsten trioxide powder modified with two different cocatalysts. Energy and Environmental Science, 2012, 5, 8390.	30.8	153
128	Photodecomposition of water and hydrogen evolution from aqueous methanol solution over novel niobate photocatalysts. Journal of the Chemical Society Chemical Communications, 1986, , 356.	2.0	152
129	Selective CO production by Au coupled ZnTe/ZnO in the photoelectrochemical CO ₂ reduction system. Energy and Environmental Science, 2015, 8, 3597-3604.	30.8	152
130	A Stable and Highly Active Hybrid Mesoporous Solid Acid Catalyst. Advanced Materials, 2005, 17, 1839-1842.	21.0	151
131	Electrochemical Behavior of Thin Ta3N5Semiconductor Film. Journal of Physical Chemistry B, 2004, 108, 11049-11053.	2.6	146
132	Recent progress in oxynitride photocatalysts for visible-light-driven water splitting. Science and Technology of Advanced Materials, 2015, 16, 033506.	6.1	146
133	Surface Strategies for Particulate Photocatalysts toward Artificial Photosynthesis. Joule, 2018, 2, 2260-2288.	24.0	146
134	ATR-SEIRAS Investigation of the Fermi Level of Pt Cocatalyst on a GaN Photocatalyst for Hydrogen Evolution under Irradiation. Journal of the American Chemical Society, 2009, 131, 13218-13219.	13.7	145
135	Visibleâ€Lightâ€Responsive Photoanodes for Highly Active, Stable Water Oxidation. Angewandte Chemie - International Edition, 2018, 57, 8396-8415.	13.8	145
136	Aspects of the Water Splitting Mechanism on (Ga _{1â^'<i>x</i>} Zn _{<i>x</i>})(N _{1â^'<i>x</i>} O _{<i>x</i>}) Photocatalyst Modified with Rh _{2â^'<i>y</i>} Cr _{<i>y</i>} O ₃ Cocatalyst. Journal of Physical Chemistry C, 2009, 113, 21458-21466.	3.1	143
137	Solar-Driven Z-scheme Water Splitting Using Modified BaZrO ₃ –BaTaO ₂ N Solid Solutions as Photocatalysts. ACS Catalysis, 2013, 3, 1026-1033.	11.2	143
138	Surface Modification of TaON with Monoclinic ZrO2 to Produce a Composite Photocatalyst with Enhanced Hydrogen Evolution Activity under Visible Light. Bulletin of the Chemical Society of Japan, 2008, 81, 927-937.	3.2	140
139	Amorphous Carbon Bearing Sulfonic Acid Groups in Mesoporous Silica as a Selective Catalyst. Chemistry of Materials, 2009, 21, 186-193.	6.7	136
140	Ta3N5 photoanodes for water splitting prepared by sputtering. Thin Solid Films, 2011, 519, 2087-2092.	1.8	136
141	Photocatalytic water splitting on nickel intercalated A4TaxNb6-xO17 (A = K, Rb). Catalysis Today, 1996, 28, 175-182.	4.4	135
142	Photocatalytic overall water splitting on the perovskite-type transition metal oxynitride CaTaO ₂ N under visible light irradiation. Chemical Communications, 2015, 51, 7191-7194.	4.1	134
143	TiNxOyFzas a Stable Photocatalyst for Water Oxidation in Visible Light (<570 nm). Chemistry Letters, 2003, 32, 196-197.	1.3	133
144	Behavior and Energy States of Photogenerated Charge Carriers on Pt- or CoO _{<i>x</i>} -Loaded LaTiO ₂ N Photocatalysts: Time-Resolved Visible to Mid-Infrared Absorption Study. Journal of Physical Chemistry C, 2014, 118, 23897-23906.	3.1	132

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145	Synthesis and Photocatalytic Activity of Poly(triazine imide). Chemistry - an Asian Journal, 2013, 8, 218-224.	3.3	131
146	Highly Active GaN‧tabilized Ta ₃ N ₅ Thinâ€Film Photoanode for Solar Water Oxidation. Angewandte Chemie - International Edition, 2017, 56, 4739-4743.	13.8	130
147	Enhancing Photocatalytic Activity of LaTiO ₂ N by Removal of Surface Reconstruction Layer. Nano Letters, 2014, 14, 1038-1041.	9.1	129
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572	Local charge carrier dynamics of a particulate Ga-doped La ₅ Ti ₂ Cu _{0.9} Ag _{0.1} O ₇ S ₅ photocatalyst and the impact of Rh cocatalysts. Physical Chemistry Chemical Physics, 0, , .	2.8	0
573	(Invited) Solar Hydrogen Production with Particulate Photocatalysts. ECS Meeting Abstracts, 2022, MA2022-01, 1565-1565.	0.0	0