

Hajime Suzuki

List of Publications by Year in Descending Order

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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.

39
papers

1,450
citations

17
h-index

38
g-index

41
ext. papers

1,877
ext. citations

12.7
avg, IF

4.82
L-index

#	Paper	IF	Citations
39	Manipulation of charge carrier flow in BiNbOCl nanoplate photocatalyst with metal loading.. <i>Chemical Science</i> , 2022 , 13, 3118-3128	9.4	4
38	Visible-light-induced hydrogen evolution from water on hybrid photocatalysts consisting of synthetic chlorophyll-a derivatives with a carboxy group in the 20-substituent adsorbed on semiconductors. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 426, 113750	4.7	1
37	Cobalt hexacyanoferrate as an effective cocatalyst boosting water oxidation on oxynitride TaON photocatalyst under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 426, 113753	4.7	1
36	Two-Dimensional Metal-Organic Framework Acts as a Hydrogen Evolution Cocatalyst for Overall Photocatalytic Water Splitting. <i>ACS Catalysis</i> , 2022 , 12, 3881-3889	13.1	4
35	Developing sustainable, high-performance perovskites in photocatalysis: design strategies and applications. <i>Chemical Society Reviews</i> , 2021 ,	58.5	10
34	Layered Perovskite Oxyiodide with Narrow Band Gap and Long Lifetime Carriers for Water Splitting Photocatalysis. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8446-8453	16.4	19
33	A pressure-assisted low temperature sintering of particulate bismuth chalcogenides BiSX (X = Br, I) for fabricating efficient photoelectrodes with porous structures. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 413, 113264	4.7	2
32	Z-Scheme Overall Water Splitting Using ZnxCd1-xSe Particles Coated with Metal Cyanoferrates as Hydrogen Evolution Photocatalysts. <i>ACS Catalysis</i> , 2021 , 11, 8004-8014	13.1	8
31	Visible-Light-Responsive Oxyhalide PbBiOCl Photoelectrode: On-Site Flux Synthesis on a Fluorine-Doped Tin Oxide Electrode. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 5176-5183	9.5	2
30	A new lead-free Sillurivillius oxychloride Bi5SrTi3O14Cl with triple-perovskite layers for photocatalytic water splitting under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 408, 113095	4.7	3
29	Supramolecular photocatalysts fixed on the inside of the polypyrrole layer in dye sensitized molecular photocathodes: application to photocatalytic CO reduction coupled with water oxidation. <i>Chemical Science</i> , 2021 , 12, 13216-13232	9.4	7
28	Synthesis, band structure and photocatalytic properties of Sillurivillius oxychlorides BaBi5Ti3O14Cl, Ba2Bi5Ti4O17Cl and Ba3Bi5Ti5O20Cl with triple-, quadruple- and quintuple-perovskite layers. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 8332-8340	13	7
27	BiOCl (= Ba, Sr, Ca) with Double and Triple Fluorite Layers for Visible-Light Water Splitting. <i>Inorganic Chemistry</i> , 2021 , 60, 15667-15674	5.1	2
26	Conduction Band Control of Oxyhalides with a Triple-Fluorite Layer for Visible Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2021 , 143, 2491-2499	16.4	20
25	Earth-abundant iron(III) species serves as a cocatalyst boosting the multielectron reduction of IO3 ⁻ /I ⁻ redox shuttle in Z-scheme photocatalytic water splitting. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 11718-11725	13	3
24	PbBi3O4X3 (X = Cl, Br) with Single/Double Halogen Layers as a Photocatalyst for Visible-Light-Driven Water Splitting: Impact of a Halogen Layer on the Band Structure and Stability. <i>Chemistry of Materials</i> , 2021 , 33, 9580-9587	9.6	3
23	Triple-layered Sillurivillius Perovskite Oxychloride Bi5PbTi3O14Cl as a Visible-light-responsive Photocatalyst for Water Splitting. <i>Chemistry Letters</i> , 2020 , 49, 978-981	1.7	6

22	Exploring the Relationship between Effective Mass, Transient Photoconductivity, and Photocatalytic Activity of $Sr_xPb_{1-x}BiO_2Cl$ (x = 0.1) Oxyhalides. <i>Chemistry of Materials</i> , 2020 , 32, 4166-4173	9.6	12
21	Identification of Prime Factors to Maximize the Photocatalytic Hydrogen Evolution of Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9752-9762	16.4	55
20	Domain observation in the visible-light photocatalyst $Bi_4Nb_0.8Br$ with the layered perovskite structure. <i>Applied Physics Express</i> , 2020 , 13, 091004	2.4	0
19	Photoconductivity Lifetime Product Correlates Well with the Photocatalytic Activity of Oxyhalides $Bi_4Ta_0.8Cl$ and $PbBiO_2Cl$: An Approach to Boost Their O_2 Evolution Rates. <i>ACS Energy Letters</i> , 2019 , 4, 1572-1578	20.1	21
18	Complex Photoconductivity Reveals How the Nonstoichiometric Sr/Ti Affects the Charge Dynamics of a SrTiO Photocatalyst. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1986-1991	6.4	11
17	Band Engineering of Double-Layered $Sr_{1-x}La_xBi_{1-x}Ta_x$ Aurivillius Perovskite Oxychlorides for Visible-Light-Driven Water Splitting. <i>Chemistry of Materials</i> , 2019 , 31, 3419-3429	9.6	32
16	Flux Synthesis of Layered Oxyhalide $BiNbOCl$ Photocatalyst for Efficient Z-Scheme Water Splitting Under Visible Light. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5642-5650	9.5	58
15	Fe/Ru Oxide as a Versatile and Effective Cocatalyst for Boosting Z-Scheme Water-Splitting: Suppressing Undesirable Backward Electron Transfer. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 45606-45611	9.5	7
14	Mimicking Natural Photosynthesis: Solar to Renewable H Fuel Synthesis by Z-Scheme Water Splitting Systems. <i>Chemical Reviews</i> , 2018 , 118, 5201-5241	68.1	497
13	New rare earth hafnium oxynitride perovskites with photocatalytic activity in water oxidation and reduction. <i>Chemical Communications</i> , 2018 , 54, 1525-1528	5.8	28
12	The first example of an oxide semiconductor photocatalyst consisting of a heptavalent cation: visible-light-induced water oxidation on M_3ReO_8 . <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1991-1994	13	2
11	Improved visible-light activity of nitrogen-doped layered niobate photocatalysts by NH_3 -nitridation with KCl flux. <i>Applied Catalysis B: Environmental</i> , 2018 , 232, 49-54	21.8	17
10	Lead Bismuth Oxyhalides $PbBiO_2X$ (X = Cl, Br) as Visible-Light-Responsive Photocatalysts for Water Oxidation: Role of Lone-Pair Electrons in Valence Band Engineering. <i>Chemistry of Materials</i> , 2018 , 30, 5862-5869	9.6	62
9	Tungstic acids H_2WO_4 and H_4WO_5 as stable photocatalysts for water oxidation under visible light. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10280-10288	13	23
8	Highly Dispersed RuO_2 Hydrates Prepared via Simple Adsorption as Efficient Cocatalysts for Visible-Light-Driven Z-Scheme Water Splitting with an IO_3^-/I^- Redox Mediator. <i>ACS Catalysis</i> , 2017 , 7, 4336-4343	13.1	33
7	Valence Band Engineering of Layered Bismuth Oxyhalides toward Stable Visible-Light Water Splitting: Madelung Site Potential Analysis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18725-18731	16.4	95
6	Design of nitrogen-doped layered tantalates for non-sacrificial and selective hydrogen evolution from water under visible light. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14444-14452	13	21
5	Layered Perovskite Oxychloride $Bi_4Nb_0.8Cl$: A Stable Visible Light Responsive Photocatalyst for Water Splitting. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2082-5	16.4	265

4	Two-step photocatalytic water splitting into H ₂ and O ₂ using layered metal oxide KCa ₂ Nb ₃ O ₁₀ and its derivatives as O ₂ -evolving photocatalysts with IO ₃ ⁻ /I ⁻ or Fe ³⁺ /Fe ²⁺ redox mediator. <i>Catalysis Science and Technology</i> , 2015 , 5, 2640-2648	5.5	41
3	Z-scheme Water Splitting into H ₂ and O ₂ Using Tungstic Acid as an Oxygen-evolving Photocatalyst under Visible Light Irradiation. <i>Chemistry Letters</i> , 2015 , 44, 1134-1136	1.7	10
2	Hydride in BaTiO _{2.5} H _{0.5} : A Labile Ligand in Solid State Chemistry. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15315-21	16.4	54
1	Controlling the Carrier Density in Niobium Oxynitride BaNbO ₂ N via Cation Doping for Efficient Photoelectrochemical Water Splitting under Visible Light. <i>Sustainable Energy and Fuels</i> ,	5.8	1