Akihide Iwase

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.

99 papers

7,305 citations

40 h-index 85 g-index

108 ext. papers

8,057 ext. citations

7.7 avg, IF

6.16 L-index

#	Paper	IF	Citations
99	Development of visible-light-responsive Ir and La-codoped KTaO photocatalysts for water splitting. <i>Chemical Communications</i> , 2021 , 57, 10331-10334	5.8	1
98	Band Engineering of Semiconductors Toward Visible-Light-Responsive Photocatalysts 2021 , 203-213		
97	Long wavelength visible light-responsive SrTiO3 photocatalysts doped with valence-controlled Ru for sacrificial H2 and O2 evolution. <i>Catalysis Science and Technology</i> , 2020 , 10, 4912-4916	5.5	6
96	Z-Schematic Solar Water Splitting Using Fine Particles of H2-Evolving (CuGa)0.5ZnS2 Photocatalyst Prepared by a Flux Method with Chloride Salts. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5684-5692	6.1	10
95	Activation of Water-Splitting Photocatalysts by Loading with Ultrafine Rht Mixed-Oxide Cocatalyst Nanoparticles. <i>Angewandte Chemie</i> , 2020 , 132, 7142-7148	3.6	2
94	Activation of Water-Splitting Photocatalysts by Loading with Ultrafine Rh-Cr Mixed-Oxide Cocatalyst Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7076-7082	16.4	27
93	Solar water splitting over RhCrO-loaded AgTaO of a valence-band-controlled metal oxide photocatalyst. <i>Chemical Science</i> , 2020 , 11, 2330-2334	9.4	17
92	New Visible-Light-Driven H2- and O2-Evolving Photocatalysts Developed by Ag(I) and Cu(I) Ion Exchange of Various Layered and Tunneling Metal Oxides Using Molten Salts Treatments. <i>Chemistry of Materials</i> , 2020 , 32, 10524-10537	9.6	3
91	Z-Schematic CO2 Reduction to CO through Interparticle Electron Transfer between SrTiO3:Rh of a Reducing Photocatalyst and BiVO4 of a Water Oxidation Photocatalyst under Visible Light. <i>ACS Applied Energy Materials</i> , 2020 , 3, 10001-10007	6.1	7
90	Photocathode Characteristics of a Spray-Deposited Cu2ZnGeS4 Thin Film for CO2 Reduction in a CO2-Saturated Aqueous Solution. <i>ACS Applied Energy Materials</i> , 2019 , 2, 6911-6918	6.1	19
89	Cu MS (M=V, Nb, Ta) and its Solid Solutions with Sulvanite Structure for Photocatalytic and Photoelectrochemical H Evolution under Visible-Light Irradiation. <i>ChemSusChem</i> , 2019 , 12, 1977-1983	8.3	15
88	Z-scheme photocatalyst systems employing Rh- and Ir-doped metal oxide materials for water splitting under visible light irradiation. <i>Faraday Discussions</i> , 2019 , 215, 313-328	3.6	21
87	The Importance of the Interfacial Contact: Is Reduced Graphene Oxide Always an Enhancer in Photo(Electro)Catalytic Water Oxidation?. ACS Applied Materials & amp; Interfaces, 2019, 11, 23125-231	3 ² 9·5	28
86	Solar Water Splitting under Neutral Conditions Using Z-Scheme Systems with Mo-Doped BiVO4 as an O2-Evolving Photocatalyst. <i>Energy Technology</i> , 2019 , 7, 1900358	3.5	8
85	Effects of Coapplication of Rh-Doping and Ag-Substitution on the Band Structure of Li2TiO3 and the Photocatalytic Property. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 9881-9887	8.3	7
84	Atomic-Level Understanding of the Effect of Heteroatom Doping of the Cocatalyst on Water-Splitting Activity in AuPd or AuPt Alloy Cluster-Loaded BaLa4Ti4O15. <i>ACS Applied Energy Materials</i> , 2019 , 2, 4175-4187	6.1	37
83	Z-scheme water splitting by microspherical Rh-doped SrTiO3 photocatalysts prepared by a spray drying method. <i>Applied Catalysis B: Environmental</i> , 2019 , 252, 222-229	21.8	19

82	Water Splitting on Aluminum Porphyrins To Form Hydrogen and Hydrogen Peroxide by One Photon of Visible Light. <i>ACS Applied Energy Materials</i> , 2019 , 2, 8045-8051	6.1	16
81	Water reduction into hydrogen using Rh-doped SrTiO3 photoelectrodes surface-modified by minute amounts of Pt: Insights from heterogeneous kinetic analysis. <i>Electrochimica Acta</i> , 2019 , 297, 696	5 - 704	9
80	Au25-Loaded BaLa4Ti4O15 Water-Splitting Photocatalyst with Enhanced Activity and Durability Produced Using New Chromium Oxide Shell Formation Method. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13669-13681	3.8	45
79	Phase relations in the pseudo ternary system In2O3-TiO2-BO (B: Zn, Co and Ni) at 1200 °C in air. Journal of Solid State Chemistry, 2018 , 258, 865-875	3.3	1
78	The role of surface states during photocurrent switching: Intensity modulated photocurrent spectroscopy analysis of BiVO4 photoelectrodes. <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 401-408	21.8	45
77	Powder-based (CuGa1JIny)1IIZn2xS2 solid solution photocathodes with a largely positive onset potential for solar water splitting. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 2016-2024	5.8	21
76	Photocatalytic CO2 reduction using water as an electron donor over Ag-loaded metal oxide photocatalysts consisting of several polyhedra of Ti4+, Zr4+, and Ta5+. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 358, 416-421	4.7	15
75	Photochemical hydrogen evolution on metal ion surface-grafted TiO2-particles prepared by sol/gel method without calcination. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 358, 386-39	4 ·7	9
74	Decomposition of an aqueous ammonia solution as a photon energy conversion reaction using a Ru-loaded ZnS photocatalyst. <i>Chemical Communications</i> , 2018 , 54, 6117-6119	5.8	10
73	Enhanced H evolution over an Ir-doped SrTiO photocatalyst by loading of an Ir cocatalyst using visible light up to 800 nm. <i>Chemical Communications</i> , 2018 , 54, 10606-10609	5.8	24
72	Photoexcited Electrons Driven by Doping Concentration Gradient: Flux-Prepared NaTaO3 Photocatalysts Doped with Strontium Cations. <i>ACS Catalysis</i> , 2018 , 8, 9334-9341	13.1	22
71	Z-Schematic and visible-light-driven CO reduction using HO as an electron donor by a particulate mixture of a Ru-complex/(CuGa)ZnS hybrid catalyst, BiVO and an electron mediator. <i>Chemical Communications</i> , 2018 , 54, 10199-10202	5.8	33
70	Fundamentals of Development of Photocatalyst Materials and Evaluation of Photocatalytic Abilities. <i>Journal of the Institute of Electrical Engineers of Japan</i> , 2018 , 138, 594-597	О	
69	Preparation of Mo- and W-doped BiVO4 fine particles prepared by an aqueous route for photocatalytic and photoelectrochemical O2 evolution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 353, 284-291	4.7	27
68	Enhancement of CO2 reduction activity under visible light irradiation over Zn-based metal sulfides by combination with Ru-complex catalysts. <i>Applied Catalysis B: Environmental</i> , 2018 , 224, 572-578	21.8	40
67	Water Splitting over Ba2In2O5 Photocatalysts with a Brownmillerite Structure and the Effect of La-substitution on Its Band Structure and Photocatalytic Activities. <i>Chemistry Letters</i> , 2018 , 47, 1526-15	2 ¹ 9 ⁷	2
66	Photoelectrochemical Reduction of CO2 to CO Using a CuGaS2 Thin-film Photocathode Prepared by a Spray Pyrolysis Method. <i>Chemistry Letters</i> , 2018 , 47, 1424-1427	1.7	10
65	Nitrogen/fluorine-codoped rutile titania as a stable oxygen-evolution photocatalyst for solar-driven Z-scheme water splitting. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 2025-2035	5.8	28

64	Efficient Solar Water Oxidation to Oxygen over Mo-doped BiVO4 Thin Film Photoanode Prepared by a Facile Aqueous Solution Route. <i>Chemistry Letters</i> , 2017 , 46, 651-654	1.7	11
63	Development of Various Metal Sulfide Photocatalysts Consisting of d0, d5, and d10 Metal Ions for Sacrificial H2 Evolution under Visible Light Irradiation. <i>Chemistry Letters</i> , 2017 , 46, 616-619	1.7	22
62	Development of Ir and La-codoped BaTaO photocatalysts using visible light up to 640 nm as an H-evolving photocatalyst for Z-schematic water splitting. <i>Chemical Communications</i> , 2017 , 53, 6156-615	9 5.8	28
61	Capturing local structure modulations of photoexcited BiVO by ultrafast transient XAFS. <i>Chemical Communications</i> , 2017 , 53, 7314-7317	5.8	17
60	Inorganic assembly catalysts for artificial photosynthesis: general discussion. <i>Faraday Discussions</i> , 2017 , 198, 481-507	3.6	2
59	Photocatalytic CO reduction using water as an electron donor by a powdered Z-scheme system consisting of metal sulfide and an RGO-TiO composite. <i>Faraday Discussions</i> , 2017 , 198, 397-407	3.6	58
58	A CoO-modified SnNbO photoelectrode for highly efficient oxygen evolution from water. <i>Chemical Communications</i> , 2017 , 53, 629-632	5.8	32
57	Characterization of Rh:SrTiO3 photoelectrodes surface-modified with a cobalt clathrochelate and their application to the hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2017 , 258, 255-265	6.7	16
56	Solar Water Splitting Utilizing a SiC Photocathode, a BiVO Photoanode, and a Perovskite Solar Cell. <i>ChemSusChem</i> , 2017 , 10, 4420-4423	8.3	20
55	Highly Active NaTaO -Based Photocatalysts for CO Reduction to Form CO Using Water as the Electron Donor. <i>ChemSusChem</i> , 2017 , 10, 112-118	8.3	97
54	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
53	Solar-driven BiVO4 Photoanodes Prepared by a Facile Screen Printing Method. <i>Chemistry Letters</i> , 2016 , 45, 152-154	1.7	18
52	Interfacing BiVO with Reduced Graphene Oxide for Enhanced Photoactivity: A Tale of Facet Dependence of Electron Shuttling. <i>Small</i> , 2016 , 12, 5295-5302	11	56
51	Visible-Light-Responsive CuLi1/3Ti2/3O2 Powders Prepared by a Molten CuCl Treatment of Li2TiO3 for Photocatalytic H2 Evolution and Z-Schematic Water Splitting. <i>Chemistry of Materials</i> , 2016 , 28, 4677	-4685	16
50	Photoelectrochemical water oxidation using a Bi2MoO6/MoO3 heterojunction photoanode synthesised by hydrothermal treatment of an anodised MoO3 thin film. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6964-6971	13	62
49	In situ metal doping during modified anodization synthesis of Nb2O5 with enhanced photoelectrochemical water splitting. <i>AICHE Journal</i> , 2016 , 62, 352-358	3.6	11
48	Photocatalysis: Interfacing BiVO4 with Reduced Graphene Oxide for Enhanced Photoactivity: A Tale of Facet Dependence of Electron Shuttling (Small 38/2016). <i>Small</i> , 2016 , 12, 5232-5232	11	
47	Water Splitting and CO2 Reduction under Visible Light Irradiation Using Z-Scheme Systems Consisting of Metal Sulfides, CoOx-Loaded BiVO4, and a Reduced Graphene Oxide Electron Mediator. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10260-4	16.4	365

(2014-2015)

Controlled Loading of Small AunClusters (n= 10B9) onto BaLa4Ti4O15Photocatalysts: Toward an Understanding of Size Effect of Cocatalyst on Water-Splitting Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 11224-11232	3.8	68
Utilization of Metal Sulfide Material of (CuGa)(1-x)Zn(2x)S2 Solid Solution with Visible Light Response in Photocatalytic and Photoelectrochemical Solar Water Splitting Systems. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 1042-7	6.4	110
Improvement of hydrogen evolution under visible light over Zn1½x(CuGa)xGa2S4 photocatalysts by synthesis utilizing a polymerizable complex method. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1423	9-1424	4 ¹⁰
Photocatalytic Properties of Layered Metal Oxides Substituted with Silver by a Molten AgNO3 Treatment. <i>ACS Applied Materials & Acs Applied & Acs </i>	9.5	15
Solar hydrogen evolution using a CuGaS2 photocathode improved by incorporating reduced graphene oxide. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8566-8570	13	37
Surface Modification of CoO(x) Loaded BiVOIPhotoanodes with Ultrathin p-Type NiO Layers for Improved Solar Water Oxidation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5053-60	16.4	436
An effect of Ag(I)-substitution at Cu sites in CuGaS2 on photocatalytic and photoelectrochemical properties for solar hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 21815-21823	13	52
Sensitization of wide band gap photocatalysts to visible light by molten CuCl treatment. <i>Chemical Science</i> , 2015 , 6, 687-692	9.4	28
Photocatalytic Water Splitting and CO2 Reduction over KCaSrTa5O15 Nanorod Prepared by a Polymerized Complex Method. <i>Bulletin of the Chemical Society of Japan</i> , 2015 , 88, 538-543	5.1	32
Photocatalytic Water Splitting over Rod-shaped K3Ta3Si2O13 and Block-shaped Ba3Ta6Si4O26 Prepared by Flux Method. <i>Chemistry Letters</i> , 2015 , 44, 306-308	1.7	5
Photocatalysis using a Wide Range of the Visible Light Spectrum: Hydrogen Evolution from Doped AgGaS2. <i>ChemSusChem</i> , 2015 , 8, 2902-6	8.3	14
Z-scheme water splitting under visible light irradiation over powdered metal-complex/semiconductor hybrid photocatalysts mediated by reduced graphene oxide. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13283-13290	13	54
Z-schematic water splitting into H2 and O2 using metal sulfide as a hydrogen-evolving photocatalyst and reduced graphene oxide as a solid-state electron mediator. <i>Journal of the American Chemical Society</i> , 2015 , 137, 604-7	16.4	394
A visible light responsive rhodium and antimony-codoped SrTiO3 powdered photocatalyst loaded with an IrO2 cocatalyst for solar water splitting. <i>Chemical Communications</i> , 2014 , 50, 2543-6	5.8	163
BiVO4Ru/SrTiO3:Rh composite Z-scheme photocatalyst for solar water splitting. <i>Chemical Science</i> , 2014 , 5, 1513	9.4	195
Water Splitting over CaTa4O11 and LaZrTa3O11 Photocatalysts with Laminated Structure Consisting of Layers of TaO6 Octahedra and TaO7 Decahedra. <i>Chemistry Letters</i> , 2014 , 43, 396-398	1.7	6
3.???????????????????????????????????~. Electrochemistry, 2014 , 82, 492-496	1.2	
The KCaSrTa5O15 photocatalyst with tungsten bronze structure for water splitting and CO2 reduction. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 24417-22	3.6	62
	Understanding of Size Effect of Cocatalyst on Water-Splitting Photocatalytic Activity. Journal of Physical Chemistry C, 2015, 119, 11224-11232 Utilization of Metal Sulfide Material of (CuGa)(1-x)Zn(2x)S2 Solid Solution with Visible Light Response in Photocatalytic and Photoelectrochemical Solar Water Splitting Systems. Journal of Physical Chemistry Letters, 2015, 6, 1042-7 Improvement of hydrogen evolution under visible light over Zn1Bx(CuGa)xGa2S4 photocatalysts by synthesis utilizing a polymerizable complex method. Journal of Materials Chemistry A, 2015, 3, 1423 Photocatalytic Properties of Layered Metal Oxides Substituted with Silver by a Molten AgNO3 Treatment. ACS Applied Materials & Amp; Interfaces, 2015, 7, 14638-43 Solar hydrogen evolution using a CuGaS2 photocathode improved by incorporating reduced graphene oxide. Journal of Materials Chemistry A, 2015, 3, 8566-8570 Surface Modification of CoO(x) Loaded BiVOIPhotoanodes with Ultrathin p-Type NiO Layers for Improved Solar Water Oxidation. Journal of the American Chemical Society, 2015, 137, 5053-60 An effect of Ag(I)-substitution at Cu sites in CuGaS2 on photocatalytic and photoelectrochemical properties for solar hydrogen evolution. Journal of Materials Chemistry A, 2015, 3, 21815-21823 Sensitization of wide band gap photocatalysts to visible light by molten CuCl treatment. Chemical Science, 2015, 6, 687-692 Photocatalytic Water Splitting and CO2 Reduction over KCaSrTaSO15 Nanorod Prepared by a Polymerized Complex Method. Bulletin of the Chemical Society of Japan, 2015, 88, 538-543 Photocatalytic Water Splitting over Rod-shaped K3Ta3Si2O13 and Block-shaped Ba3Ta6Si4O26 Prepared by Flux Method. Chemistry Letters, 2015, 44, 306-308 Photocatalytic Water Splitting over Rod-shaped K3Ta3Si2O13 and Block-shaped Ba3Ta6Si4O26 Prepared by Flux Method. Chemistry Letters, 2015, 44, 306-308 Photocatalysis using a Wide Range of the Visible Light prepared by reduced graphene oxide. Journal of Materials Chemistry A, 2015, 3, 13283-13290 Z-scheme water Splitting un	Understanding of Size Effect of Cocatalysts on Water-Splitting Photocatalytic Activity. Journal of Physical Chemistry C, 2015, 119, 11224-11232 Utilization of Metal Sulfide Material of (CuGa)(1-x)Zn(2x)S2 Solid Solution with Visible Light Response in Photocatalytic and Photoelectrochemical Solar Water Splitting Systems. Journal of Physical Chemistry Letters, 2015, 6, 10427. Improvement of hydrogen evolution under visible light over Zn18x(CuGa)xGa2S4 photocatalysts by synthesis utilizing a polymerizable complex method. Journal of Materials Chemistry A, 2015, 3, 14239-1424. Photocatalytic Properties of Layered Metal Oxides Substituted with Silver by a Molten AgNO3 Treatment. ACS Applied Materials Ramp; Interfaces, 2015, 7, 14638-43 Solar hydrogen evolution using a CuGaS2 photocathode improved by incorporating reduced graphene oxide. Journal of Materials Chemistry A, 2015, 3, 8566-8570 Surface Modification of CoO(x) Loaded BIVOIPhotoanodes with Ultrathin p-Type NiO Layers for Improved Solar Water Oxidation. Journal of the American Chemical Society, 2015, 137, 5053-60 An effect of Ag(I)-substitution at Cu sites in CuGaS2 on photocatalytic and photoelectrochemical properties for solar hydrogen evolution. Journal of Materials Chemistry A, 2015, 3, 21815-21823 Sensitization of wide band gap photocatalysts to visible light by molten CuCl treatment. Chemical Science, 2015, 6, 687-692 Photocatalytic Water Splitting and CO2 Reduction over KCaSrTaSO15 Nanorod Prepared by a Polymerized Complex Method. Bulletin of the Chemical Society of Japan, 2015, 88, 538-543 Photocatalytic Water Splitting over Rod-shaped K3TaSi32O13 and Block-shaped Ba3Ta6Si4O26 Prepared by Flux Method. Chemistry Letters, 2015, 44, 306-308 Photocatalysis using a Wide Range of the Visible Light Spectrum: Hydrogen Evolution from Doped AgGaS2. Chemisuschem, 2015, 8, 2902-6 Z-scheme water splitting under visible light irradiation over powdered metal-complex/semiconductor hybrid photocatalysts mediated by reduced graphene oxide. Journal of Materials Chemi

28	Enhanced Activity of BiVO4 Powdered Photocatalyst Under Visible Light Irradiation by Preparing Microwave-Assisted Aqueous Solution Methods. <i>Catalysis Letters</i> , 2014 , 144, 1962-1967	2.8	18
27	The effect of Au cocatalyst loaded on La-doped NaTaO3 on photocatalytic water splitting and O2 photoreduction. <i>Applied Catalysis B: Environmental</i> , 2013 , 136-137, 89-93	21.8	76
26	Photocatalysis of heat treated sodium- and hydrogen-titanate nanoribbons for water splitting, H2/O2 generation and oxalic acid oxidation. <i>Chemical Engineering Science</i> , 2013 , 93, 341-349	4.4	28
25	Enhanced photocatalytic water splitting by BaLa4Ti4O15 loaded with ~1 nm gold nanoclusters using glutathione-protected Au25 clusters. <i>Nanoscale</i> , 2013 , 5, 7188-92	7.7	83
24	Influence of annealing temperature of WO3 in photoelectrochemical conversion and energy storage for water splitting. <i>ACS Applied Materials & amp; Interfaces</i> , 2013 , 5, 5269-75	9.5	70
23	Understanding self-photorechargeability of WO(3) for H(2) generation without light illumination. <i>ChemSusChem</i> , 2013 , 6, 291-8	8.3	27
22	Sustained solar hydrogen generation using a dye-sensitised NiO photocathode/BiVO4 tandem photo-electrochemical device. <i>Energy and Environmental Science</i> , 2012 , 5, 9472	35.4	153
21	Transforming Anodized WO3 Films into Visible-Light-Active Bi2WO6 Photoelectrodes by Hydrothermal Treatment. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 913-8	6.4	82
20	Flame preparation of visible-light-responsive BiVO4 oxygen evolution photocatalysts with subsequent activation via aqueous route. <i>ACS Applied Materials & District Science</i> , 2011 , 3, 1997-2004	9.5	117
19	Reduced graphene oxide as a solid-state electron mediator in Z-scheme photocatalytic water splitting under visible light. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11054-7	16.4	844
18	Photocatalytic Overall Water Splitting over ALi2Ti6O14(A: 2Na and Sr) with Tunneling Structure. <i>Chemistry Letters</i> , 2011 , 40, 108-110	1.7	6
17	Semiconductor/reduced graphene oxide nanocomposites derived from photocatalytic reactions. <i>Catalysis Today</i> , 2011 , 164, 353-357	5.3	155
16	Visible light-induced charge storage, on-demand release and self-photorechargeability of WO3 film. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 13421-6	3.6	47
15	A Simple Preparation Method of Visible-Light-Driven BiVO4 Photocatalysts From Oxide Starting Materials (Bi2O3 and V2O5) and Their Photocatalytic Activities. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2010 , 132,	2.3	48
14	Photocatalytic H2 Evolution over TiO2 Nanoparticles. The Synergistic Effect of Anatase and Rutile. Journal of Physical Chemistry C, 2010 , 114, 2821-2829	3.8	307
13	Reducing Graphene Oxide on a Visible-Light BiVO4 Photocatalyst for an Enhanced Photoelectrochemical Water Splitting. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 2607-2612	6.4	768
12	Photoelectrochemical water splitting using visible-light-responsive BiVO4 fine particles prepared in an aqueous acetic acid solution. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7536		176
11	The effect of alkaline earth metal ion dopants on photocatalytic water splitting by NaTaO(3) powder. <i>ChemSusChem</i> , 2009 , 2, 873-7	8.3	84

LIST OF PUBLICATIONS

10	Time-Resolved Infrared Absorption Study of NaTaO3 Photocatalysts Doped with Alkali Earth Metals. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 13918-13923	3.8	50
9	Sensitization of NaMO3(M: Nb and Ta) Photocatalysts with Wide Band Gaps to Visible Light by Ir Doping. <i>Bulletin of the Chemical Society of Japan</i> , 2009 , 82, 514-518	5.1	54
8	Loading effects of silver oxides upon generation of reactive oxygen species in semiconductor photocatalysis. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 2986-92	3.6	61
7	The effect of co-catalyst for Z-scheme photocatalysis systems with an Fe3+/Fe2+ electron mediator on overall water splitting under visible light irradiation. <i>Journal of Catalysis</i> , 2008 , 259, 133-137	7.3	329
6	Effects of doping of metal cations on morphology, activity, and visible light response of photocatalysts. <i>Chemical Physics</i> , 2007 , 339, 104-110	2.3	178
5	Role of Iron Ion Electron Mediator on Photocatalytic Overall Water Splitting under Visible Light Irradiation Using Z-Scheme Systems. <i>Bulletin of the Chemical Society of Japan</i> , 2007 , 80, 2457-2464	5.1	115
4	Nanosized Au Particles as an Efficient Cocatalyst for Photocatalytic Overall Water Splitting. <i>Catalysis Letters</i> , 2006 , 108, 7-10	2.8	122
3	Contror of Surface Structure and Effect of Cocatalyst Aiming at Water Splitting over Photocatalyst. <i>Hyomen Kagaku</i> , 2006 , 27, 386-391		1
2	A Novel Photodeposition Method in the Presence of Nitrate Ions for Loading of an Iridium Oxide Cocatalyst for Water Splitting. <i>Chemistry Letters</i> , 2005 , 34, 946-947	1.7	72
1	Formation of Surface Nano-step Structures and Improvement of Photocatalytic Activities of NaTaO3by Doping of Alkaline Earth Metal Ions. <i>Chemistry Letters</i> , 2004 , 33, 1260-1261	1.7	73