

# Kazuhiko Maeda

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

260  
papers

38,905  
citations

84  
h-index

196  
g-index

288  
ext. papers

42,596  
ext. citations

8  
avg, IF

7.85  
L-index

#	Paper	IF	Citations
260	Anion Substitution at Apical Sites of Ruddlesden-Popper-type Cathodes toward High Power Density for All-Solid-State Fluoride-Ion Batteries. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 609-616	9.6	2
259	Photocatalytic Water Oxidation by Phosphotungstate and Mg-Al Layered Double Hydroxide Hybrid. <i>Chemistry Letters</i> , <b>2022</b> , 51, 107-110	1.7	
258	Synthesis and applications of carbon nitride (CN) family with different carbon to nitrogen ratio. <i>Carbon</i> , <b>2022</b> , 188, 482-491	10.4	3
257	Alumina-Supported Alpha-Iron(III) Oxyhydroxide as a Recyclable Solid Catalyst for CO Photoreduction under Visible Light. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> , e202204948	16.4	3
256	Accelerated lithium ions diffusion at the interface between LiFePO <sub>4</sub> electrode and electrolyte by surface-nitride treatment. <i>Solid State Ionics</i> , <b>2021</b> , 373, 115792	3.3	1
255	A Bifunctional Lead-Iron Oxyfluoride, PbFeO <sub>2</sub> F, That Drives Photoelectrochemical and Electrochemical Water Oxidation. <i>ECS Meeting Abstracts</i> , <b>2021</b> , MA2021-02, 1736-1736	0	
254	Reversible and Fast (De)fluorination of High-Capacity Cu <sub>2</sub> O Cathode: One Step Toward Practically Applicable All-Solid-State Fluoride-Ion Battery. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2102285	21.8	5
253	Excited Carrier Dynamics in a Dye-Sensitized Niobate Nanosheet Photocatalyst for Visible-Light Hydrogen Evolution. <i>ACS Catalysis</i> , <b>2021</b> , 11, 659-669	13.1	8
252	Molecule/Semiconductor Hybrid Materials for Visible-Light CO <sub>2</sub> Reduction: Design Principles and Interfacial Engineering. <i>Accounts of Materials Research</i> , <b>2021</b> , 2, 458-470	7.5	16
251	Sn-Based Perovskite with a Wide Visible-Light Absorption Band Assisted by Hydride Doping. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 3631-3638	9.6	3
250	Selective CO <sub>2</sub> reduction into formate using LnTa oxynitrides combined with a binuclear Ru(II) complex under visible light. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 55, 176-182	12	11
249	Recent Progress in Mixed-Anion Materials for Solar Fuel Production. <i>Solar Rrl</i> , <b>2021</b> , 5, 2000521	7.1	8
248	A bifunctional lead-iron oxyfluoride, PbFeOF, that functions as a visible-light-responsive photoanode and an electrocatalyst for water oxidation. <i>RSC Advances</i> , <b>2021</b> , 11, 25616-25623	3.7	2
247	Effects of Nitrogen/Fluorine Codoping on Photocatalytic Rutile TiO <sub>2</sub> Crystal Studied by First-Principles Calculations. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 2381-2389	5.1	3
246	New Visible-Light-Responsive Photocatalysts for Water Splitting Based on Mixed Anions <b>2021</b> , 557-569		
245	Improvement of a Pb <sub>2</sub> Ti <sub>2</sub> O <sub>5.4</sub> F <sub>1.2</sub> Photoanode for Solar Water Splitting by Refining the Cocatalyst and Electrolyte. <i>Bulletin of the Chemical Society of Japan</i> , <b>2021</b> , 94, 1869-1874	5.1	2
244	Control of the Photocatalytic Activity of Metastable Layered Oxynitride K <sub>2</sub> LaTa <sub>2</sub> O <sub>6</sub> N through Topochemical Transformation of Tuned Oxide Precursors. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 6443-6452	9.6	2

243	Electrochemical Crystal Growth of Titanium Oxyfluorides-A Strategy for Development of Electron-Doped Materials. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 14613-14621	5.1	1
242	An Improved Z-Scheme for Overall Water Splitting Using Dye-Sensitized Calcium Niobate Nanosheets Synthesized by a Flux Method. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 10145-10152	6.1	3
241	Capacity Improvement by Nitrogen Doping to Lithium-Rich Cathode Materials with Stabilization Effect of Oxide Ions Redox. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 4162-4167	6.1	10
240	Site-Selective Deposition of a Cobalt Cocatalyst onto a Plasmonic Au/TiO <sub>2</sub> Photoanode for Improved Water Oxidation. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 5142-5146	6.1	10
239	Nano vs. bulk rutile TiO <sub>2</sub> :N,F in Z-scheme overall water splitting under visible light. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 11996-12002	13	14
238	Structure-Activity Relationship in a Cobalt Aluminate Nanoparticle Cocatalyst with a Graphitic Carbon Nitride Photocatalyst for Visible-Light Water Oxidation. <i>ChemPhotoChem</i> , <b>2020</b> , 4, 5175-5180	3.3	1
237	Visible-Light-Induced Photocatalytic Activity of Stacked MXene Sheets of Y <sub>2</sub> CF <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 14640-14645	3.8	10
236	Boosting photocatalytic H <sub>2</sub> O <sub>2</sub> production by coupling of sulfuric acid and 5-sulfosalicylic acid incorporated polyaniline with g-C <sub>3</sub> N <sub>4</sub> . <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 4186-4195	5.8	7
235	Two-Dimensional Perovskite Oxynitride K <sub>2</sub> LaTa <sub>2</sub> O <sub>6</sub> N with an H <sup>+</sup> /K <sup>+</sup> Exchangeability in Aqueous Solution Forming a Stable Photocatalyst for Visible-Light H <sub>2</sub> Evolution. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 9823-9830	3.6	2
234	Efficient Visible-Light-Driven CO Reduction by a Cobalt Molecular Catalyst Covalently Linked to Mesoporous Carbon Nitride. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 6188-6195	16.4	109
233	Rutile TiO <sub>2</sub> Based new photocatalysts for visible light water oxidation <b>2020</b> , 7-22		1
232	Two-Dimensional Perovskite Oxynitride K LaTa O N with an H /K Exchangeability in Aqueous Solution Forming a Stable Photocatalyst for Visible-Light H Evolution. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 9736-9743	16.4	19
231	Selective metathesis synthesis of MgCr <sub>2</sub> S <sub>4</sub> by control of thermodynamic driving forces. <i>Materials Horizons</i> , <b>2020</b> , 7, 1310-1316	14.4	10
230	Water Oxidation through Interfacial Electron Transfer by Visible Light Using Cobalt-Modified Rutile Titania Thin-Film Photoanode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 9219-9225	9.5	9
229	Cobalt Aluminate Spinel as a Cocatalyst for Photocatalytic Oxidation of Water: Significant Hole-Trapping Effect. <i>ACS Catalysis</i> , <b>2020</b> , 10, 4960-4966	13.1	19
228	An Artificial Z-Scheme Constructed from Dye-Sensitized Metal Oxide Nanosheets for Visible Light-Driven Overall Water Splitting. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 8412-8420	16.4	60
227	Activation of a Pt-loaded Pb <sub>2</sub> Ti <sub>2</sub> O <sub>5</sub> .4F <sub>1.2</sub> photocatalyst by alkaline chloride treatment for improved H <sub>2</sub> evolution under visible light. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 9099-9108	13	7
226	Improved Electrochemical Water Oxidation over Chromium-Substituted Cobalt Aluminate Spinel. <i>Bulletin of the Chemical Society of Japan</i> , <b>2020</b> , 93, 13-19	5.1	5

225	Light Absorption Properties and Electronic Band Structures of Lead-Vanadium Oxyhalide Apatites Pb(VO)X (X=F, Cl, Br, I). <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 540-545	4.5	2
224	Oxyfluoride Pb <sub>2</sub> Ti <sub>4</sub> O <sub>9</sub> F <sub>2</sub> as a Stable Anode Material for Photoelectrochemical Water Oxidation. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 1844-1850	3.8	9
223	Synthesis of Copolymerized Carbon Nitride Nanosheets from Urea and 2-Aminobenzonitrile for Enhanced Visible Light CO <sub>2</sub> Reduction with a Ruthenium(II) Complex Catalyst. <i>Solar Rrl</i> , <b>2020</b> , 4, 1900461	7.1	7
222	Synthesis of Three-Layer Perovskite Oxynitride KCaTaON <sub>2</sub> HO and Photocatalytic Activity for H <sub>2</sub> Evolution under Visible Light. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 11122-11128	5.1	9
221	Photochemical synthesis of nanoscale multicomponent metal species and their application to photocatalytic and electrochemical water splitting <b>2020</b> , 19-38		1
220	Synergistic Effect of Hydrochloric Acid and Phytic Acid Doping on Polyaniline-Coupled g-CN Nanosheets for Photocatalytic Cr(VI) Reduction and Dye Degradation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 35702-35712	9.5	57
219	Solar-Driven Photoelectrochemical Water Oxidation over an n-Type Lead-Titanium Oxyfluoride Anode. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 17158-17165	16.4	28
218	Photocatalytic overall water splitting on Pt nanocluster-intercalated, restacked KCa <sub>2</sub> Nb <sub>3</sub> O <sub>10</sub> nanosheets: the promotional effect of co-existing ions. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 189-194	5.1	9
217	Solar Water Oxidation by a Visible-Light-Responsive Tantalum/Nitrogen-Codoped Rutile Titania Anode for Photoelectrochemical Water Splitting and Carbon Dioxide Fixation. <i>ChemPhotoChem</i> , <b>2019</b> , 3, 3-3	3.3	
216	Structure and Photocatalytic Activity of PdCrOx Cocatalyst on SrTiO <sub>3</sub> for Overall Water Splitting. <i>Catalysts</i> , <b>2019</b> , 9, 59	4	15
215	Earth-Abundant Molecular Z-Scheme Photoelectrochemical Cell for Overall Water-Splitting. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 9593-9602	16.4	59
214	Oxygen-Doped Ta <sub>3</sub> N <sub>5</sub> Nanoparticles for Enhanced Z-Scheme Carbon Dioxide Reduction with a Binuclear Ruthenium(II) Complex under Visible Light. <i>ChemPhotoChem</i> , <b>2019</b> , 3, 1027-1033	3.3	7
213	Direct evidence for two-dimensional oxide-ion diffusion in the hexagonal perovskite-related oxide Ba <sub>3</sub> MoNbO <sub>8.5</sub> . <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 13910-13916	13	26
212	Facile p <sub>n</sub> control, and magnetic and thermoelectric properties of chromium selenides Cr <sub>2+x</sub> Se <sub>3</sub> . <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 8269-8276	7.1	11
211	Metal-Complex/Semiconductor Hybrid Photocatalysts and Photoelectrodes for CO Reduction Driven by Visible Light. <i>Advanced Materials</i> , <b>2019</b> , 31, e1808205	24	113
210	Synthesis of a Layered Niobium Oxynitride, RbNdNbON <sub>2</sub> HO, Showing Visible-Light Photocatalytic Activity for H <sub>2</sub> Evolution. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 6161-6166	5.1	18
209	Selective Synthesis and Photocatalytic Oxygen Evolution Activities of Tantalum/Nitrogen-Codoped Anatase, Brookite and Rutile Titanium Dioxide. <i>Bulletin of the Chemical Society of Japan</i> , <b>2019</b> , 92, 1032-1038	5.1	5
208	Visible-Light-Driven Water Oxidation Using Anatase Titania Modified with First-Row Transition-Metal-Oxide Nanoclusters. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 10429-10434	3.8	9

207	Solar Water Oxidation by a Visible-Light-Responsive Tantalum/Nitrogen-Codoped Rutile Titania Anode for Photoelectrochemical Water Splitting and Carbon Dioxide Fixation. <i>ChemPhotoChem</i> , <b>2019</b> , 3, 37-45	3.3	27
206	Enhanced water splitting through two-step photoexcitation by sunlight using tantalum/nitrogen-codoped rutile titania as a water oxidation photocatalyst. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 2337-2346	5.8	11
205	An electronic structure governed by the displacement of the indium site in In-S octahedra: LnOInS (Ln = La, Ce, and Pr). <i>Dalton Transactions</i> , <b>2019</b> , 48, 12272-12278	4.3	5
204	Defect Density-Dependent Electron Injection from Excited-State Ru(II) Tris-Diimine Complexes into Defect-Controlled Oxide Semiconductors. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 28310-28318	3.8	5
203	A zinc-based oxysulfide photocatalyst SrZnSO capable of reducing and oxidizing water. <i>Dalton Transactions</i> , <b>2019</b> , 48, 15778-15781	4.3	6
202	Crucial impact of reduction on the photocarrier dynamics of SrTiO <sub>3</sub> powders studied by transient absorption spectroscopy. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 26139-26146	13	12
201	A Visible-Light-Driven Z-Scheme CO <sub>2</sub> Reduction System Using Ta <sub>3</sub> N <sub>5</sub> and a Ru(II) Binuclear Complex. <i>Bulletin of the Chemical Society of Japan</i> , <b>2019</b> , 92, 124-126	5.1	21
200	Two-Dimensional Metal Oxide Nanosheets as Building Blocks for Artificial Photosynthetic Assemblies. <i>Bulletin of the Chemical Society of Japan</i> , <b>2019</b> , 92, 38-54	5.1	145
199	Expanding frontiers in materials chemistry and physics with multiple anions. <i>Nature Communications</i> , <b>2018</b> , 9, 772	17.4	379
198	Visible-light CO <sub>2</sub> reduction over a ruthenium(II)-complex/C <sub>3</sub> N <sub>4</sub> hybrid photocatalyst: the promotional effect of silver species. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9708-9715	13	24
197	New Precursor Route Using a Compositionally Flexible Layered Oxide and Nanosheets for Improved Nitrogen Doping and Photocatalytic Activity. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 1734-1741	6.1	7
196	Graphitic carbon nitride prepared from urea as a photocatalyst for visible-light carbon dioxide reduction with the aid of a mononuclear ruthenium(II) complex. <i>Beilstein Journal of Organic Chemistry</i> , <b>2018</b> , 14, 1806-1812	2.5	23
195	Hybrid Z-scheme nanocomposites for photocatalysis <b>2018</b> , 289-306		1
194	Undoped Layered Perovskite Oxynitride Li <sub>2</sub> LaTa <sub>2</sub> O <sub>6</sub> N for Photocatalytic CO <sub>2</sub> Reduction with Visible Light. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8286-8290	3.6	16
193	Undoped Layered Perovskite Oxynitride Li LaTa O N for Photocatalytic CO Reduction with Visible Light. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8154-8158	16.4	51
192	A Stable, Narrow-Gap Oxyfluoride Photocatalyst for Visible-Light Hydrogen Evolution and Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6648-6655	16.4	99
191	Rapid deposition and thermoelectric properties of ytterbium boride thin films using hybrid physical chemical vapor deposition. <i>Materialia</i> , <b>2018</b> , 1, 244-248	3.2	6
190	Water Splitting on Rutile TiO <sub>2</sub> -Based Photocatalysts. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 18204-18219	19	108

189	A Carbon Nitride/Fe Quaterpyridine Catalytic System for Photostimulated CO-to-CO Conversion with Visible Light. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7437-7440	16.4	122
188	Homogeneous Electron Doping into Nonstoichiometric Strontium Titanate Improves Its Photocatalytic Activity for Hydrogen and Oxygen Evolution. <i>ACS Catalysis</i> , <b>2018</b> , 8, 7190-7200	13.1	28
187	Photocatalytic Property of Mixed Anion Compounds. <i>Nihon Kessho Gakkaishi</i> , <b>2018</b> , 60, 260-267	0	
186	CO <sub>2</sub> reduction using oxynitrides and nitrides under visible light. <i>Progress in Solid State Chemistry</i> , <b>2018</b> , 51, 52-62	8	20
185	Influence of TiO <sub>2</sub> Support on Activity of Co <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> Photocatalysts for Visible-Light Water Oxidation. <i>Bulletin of the Chemical Society of Japan</i> , <b>2018</b> , 91, 486-491	5.1	16
184	Light Absorption Properties and Electronic Band Structures of Lead Titanium Oxyfluoride Photocatalysts Pb <sub>2</sub> Ti <sub>4</sub> O <sub>9</sub> F <sub>2</sub> and Pb <sub>2</sub> Ti <sub>2</sub> O <sub>5.4</sub> F <sub>1.2</sub> . <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 26506-26514	3.8	23
183	Analysis of Optical Properties and Structures of Nitrogen Doped Gallium Oxide. <i>E-Journal of Surface Science and Nanotechnology</i> , <b>2018</b> , 16, 262-266	0.7	8
182	High Rate Performance of Dual-Substituted LiFePO <sub>4</sub> Based on Controlling Metastable Intermediate Phase. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 6736-6740	6.1	5
181	Mechanistic Insight on the Formation of GaN:ZnO Solid Solution from Zn-Ga Layered Double Hydroxide Using Urea as the Nitriding Agent. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 13953-13962	5.1	13
180	Copolymerization Approach to Improving Ru(II)-Complex/C <sub>3</sub> N <sub>4</sub> Hybrid Photocatalysts for Visible-Light CO <sub>2</sub> Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 15333-15340	8.3	26
179	Effects of Interfacial Electron Transfer in Metal Complex/Semiconductor Hybrid Photocatalysts on Z-Scheme CO <sub>2</sub> Reduction under Visible Light. <i>ACS Catalysis</i> , <b>2018</b> , 8, 9744-9754	13.1	44
178	Nitrogen/fluorine-codoped rutile titania as a stable oxygen-evolution photocatalyst for solar-driven Z-scheme water splitting. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 2025-2035	5.8	28
177	Excited-State Dynamics of Graphitic Carbon Nitride Photocatalyst and Ultrafast Electron Injection to a Ru(II) Mononuclear Complex for Carbon Dioxide Reduction. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 16795-16802	3.8	33
176	Development of hybrid photocatalysts constructed with a metal complex and graphitic carbon nitride for visible-light-driven CO reduction. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 4938-4950	3.6	46
175	Solar-driven Z-scheme water splitting using tantalum/nitrogen co-doped rutile titania nanorod as an oxygen evolution photocatalyst. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11710-11719	13	76
174	Cobalt Oxide Nanoclusters on Rutile Titania as Bifunctional Units for Water Oxidation Catalysis and Visible Light Absorption: Understanding the Structure-Activity Relationship. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 6114-6122	9.5	45
173	Synthesis and photocatalytic activity of KCaNaNbO, a new Ruddlesden-Popper phase layered perovskite. <i>Dalton Transactions</i> , <b>2017</b> , 46, 10594-10601	4.3	28
172	Chromium-substituted hematite powder as a catalytic material for photochemical and electrochemical water oxidation. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 2940-2946	5.5	15

171	Synthesis, structure and photocatalytic activity of layered LaOInS <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 14270-14277	13	19
170	Hybrid photocathode consisting of a CuGaO p-type semiconductor and a Ru(II)-Re(I) supramolecular photocatalyst: non-biased visible-light-driven CO reduction with water oxidation. <i>Chemical Science</i> , <b>2017</b> , 8, 4242-4249	9.4	111
169	Robust Binding between Carbon Nitride Nanosheets and a Binuclear Ruthenium(II) Complex Enabling Durable, Selective CO <sub>2</sub> Reduction under Visible Light in Aqueous Solution. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 4945-4949	3.6	44
168	Robust Binding between Carbon Nitride Nanosheets and a Binuclear Ruthenium(II) Complex Enabling Durable, Selective CO Reduction under Visible Light in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 4867-4871	16.4	185
167	Structures, electron density and characterization of novel photocatalysts, (BaTaON)(SrWON) solid solutions. <i>Dalton Transactions</i> , <b>2017</b> , 46, 14947-14956	4.3	10
166	Inert Layered Silicate Improves the Electrochemical Responses of a Metal Complex Polymer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 35498-35503	9.5	16
165	Light-Induced Water Splitting Using Layered Metal Oxides and Nanosheets. <i>Semiconductors and Semimetals</i> , <b>2017</b> , 257-288	0.6	1
164	Effects of the SrTiO support on visible-light water oxidation with CoO nanoparticles. <i>Dalton Transactions</i> , <b>2017</b> , 46, 16959-16966	4.3	8
163	Interfacial Manipulation by Rutile TiO Nanoparticles to Boost CO Reduction into CO on a Metal-Complex/Semiconductor Hybrid Photocatalyst. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 23869-23877	9.5	56
162	Activation of the Carbon Nitride Surface by Silica in a CO-Evolving Hybrid Photocatalyst. <i>ChemSusChem</i> , <b>2017</b> , 10, 287-295	8.3	31
161	Highly efficient visible-light-driven CO <sub>2</sub> reduction to CO using a Ru(II)Re(I) supramolecular photocatalyst in an aqueous solution. <i>Green Chemistry</i> , <b>2016</b> , 18, 139-143	10	65
160	Development of Novel Photocatalyst and Cocatalyst Materials for Water Splitting under Visible Light. <i>Bulletin of the Chemical Society of Japan</i> , <b>2016</b> , 89, 627-648	5.1	125
159	Photocatalytic Activity of Carbon Nitride Modified with a Ruthenium(II) Complex Having Carboxylic- or Phosphonic Acid Anchoring Groups for Visible-light CO <sub>2</sub> Reduction. <i>Chemistry Letters</i> , <b>2016</b> , 45, 182-184	1.7	39
158	Photochemical Synthesis of Fe(III)Cr(III) Mixed Oxide Nanoparticles on Strontium Titanate Powder and Their Application as Water Oxidation Cocatalysts. <i>Chemistry Letters</i> , <b>2016</b> , 45, 967-969	1.7	8
157	Modification of Wide-Band-Gap Oxide Semiconductors with Cobalt Hydroxide Nanoclusters for Visible-Light Water Oxidation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 8449-8453	3.6	7
156	Preparation of Pt-Intercalated KCa <sub>2</sub> Nb <sub>3</sub> O <sub>10</sub> Nanosheets and Their Photocatalytic Activity for Overall Water Splitting. <i>ChemNanoMat</i> , <b>2016</b> , 2, 748-755	3.5	11
155	Selective dual-purpose photocatalysis for simultaneous H <sub>2</sub> evolution and mineralization of organic compounds enabled by a Cr <sub>2</sub> O <sub>3</sub> barrier layer coated on Rh/SrTiO <sub>3</sub> . <i>Chemical Communications</i> , <b>2016</b> , 52, 9636-9	5.8	34
154	Visible-light-driven CO reduction on a hybrid photocatalyst consisting of a Ru(II) binuclear complex and a Ag-loaded TaON in aqueous solutions. <i>Chemical Science</i> , <b>2016</b> , 7, 4364-4371	9.4	81

153	Unique Solvent Effects on Visible-Light CO <sub>2</sub> Reduction over Ruthenium(II)-Complex/Carbon Nitride Hybrid Photocatalysts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6011-8	9.5	94
152	Photocatalytic Approach for CO <sub>2</sub> Fixation. <i>Lecture Notes in Energy</i> , <b>2016</b> , 153-171	0.4	1
151	Light-Induced Synthesis of Heterojunctioned Nanoparticles on a Semiconductor as Durable Cocatalysts for Hydrogen Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 7165-72	9.5	24
150	Structural effects of two-dimensional perovskite Ca <sub>2</sub> Nb <sub>2</sub> TaO <sub>10</sub> nanosheets for photocatalytic hydrogen evolution. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 1064-1069	5.5	22
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147	Modification of Wide-Band-Gap Oxide Semiconductors with Cobalt Hydroxide Nanoclusters for Visible-Light Water Oxidation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8309-13	16.4	60
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142	Metal-complex/semiconductor hybrids for carbon dioxide fixation <b>2015</b> ,		2
141	A Rutile Titania Photoanode for Solar Water Oxidation Workable under Mild Conditions. <i>Chemistry Letters</i> , <b>2015</b> , 44, 934-936	1.7	3
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138	Hydrothermal synthesis of rhodium-doped barium titanate nanocrystals for enhanced photocatalytic hydrogen evolution under visible light. <i>RSC Advances</i> , <b>2015</b> , 5, 100123-100128	3.7	18
137	Intercalation of highly dispersed metal nanoclusters into a layered metal oxide for photocatalytic overall water splitting. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 2698-702	16.4	98
136	Intercalation of Highly Dispersed Metal Nanoclusters into a Layered Metal Oxide for Photocatalytic Overall Water Splitting. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 2736-2740	3.6	10



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129	The effect of the pore-wall structure of carbon nitride on photocatalytic CO <sub>2</sub> reduction under visible light. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 15146-15151	13	166
128	Fabrication of photocatalyst panels and the factors determining their activity for water splitting. <i>Catalysis Science and Technology</i> , <b>2014</b> , 4, 325-328	5.5	28
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121	Effect of Hydrogen and Oxygen Evolution Cocatalysts on Photocatalytic Activity of GaN:ZnO. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 767-772	2.3	46
120	Preparation of BaZrO <sub>3</sub> BaTaO <sub>2</sub> N solid solutions and the photocatalytic activities for water reduction and oxidation under visible light. <i>Journal of Catalysis</i> , <b>2014</b> , 310, 67-74	7.3	46
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116	A polymeric-semiconductor-metal-complex hybrid photocatalyst for visible-light CO(2) reduction. <i>Chemical Communications</i> , <b>2013</b> , 49, 10127-9	5.8	216
115	Composite of Rh <sub>y</sub> Cr <sub>2</sub> O <sub>3</sub> /(Ga <sub>1-x</sub> Zn <sub>x</sub> )(N <sub>1-x</sub> O <sub>x</sub> ) Photocatalysts with Hydrophobic Polytetrafluoroethylene (PTFE) Membranes for the Fabrication of Novel Reaction Sites for Water Vapor Splitting Under Visible Light. <i>Catalysis Letters</i> , <b>2013</b> , 143, 150-153	2.8	3
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35	Polymer semiconductors for artificial photosynthesis: hydrogen evolution by mesoporous graphitic carbon nitride with visible light. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 1680-1	16.4	1418
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33	Photoresponse of GaN:ZnO Electrode on FTO under Visible Light Irradiation. <i>Bulletin of the Chemical Society of Japan</i> , <b>2009</b> , 82, 401-407	5.1	48
32	Effect of post-calcination on photocatalytic activity of (Ga <sub>1-x</sub> Zn <sub>x</sub> )(N <sub>1-x</sub> O <sub>x</sub> ) solid solution for overall water splitting under visible light. <i>Journal of Catalysis</i> , <b>2008</b> , 254, 198-204	7.3	263
31	Niobium Oxide Nanoscrolls as Building Blocks for Dye-Sensitized Hydrogen Production from Water under Visible Light Irradiation. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 6770-6778	9.6	163
30	Direct deposition of nanoparticulate rhodium-chromium mixed-oxides on a semiconductor powder by band-gap irradiation. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 3539		30
29	Photocatalytic Activity of (Ga <sub>1-x</sub> Zn <sub>x</sub> )(N <sub>1-x</sub> O <sub>x</sub> ) for Visible-Light-Driven H <sub>2</sub> and O <sub>2</sub> Evolution in the Presence of Sacrificial Reagents. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 3447-3452	3.8	104
28	Surface Modification of TaON with Monoclinic ZrO <sub>2</sub> to Produce a Composite Photocatalyst with Enhanced Hydrogen Evolution Activity under Visible Light. <i>Bulletin of the Chemical Society of Japan</i> , <b>2008</b> , 81, 927-937	5.1	130

27	Enhancement of photocatalytic activity of $(\text{Zn}_{1+x}\text{Ge})(\text{N}_2\text{O}_x)$ for visible-light-driven overall water splitting by calcination under nitrogen. <i>Chemical Physics Letters</i> , <b>2008</b> , 457, 134-136	2.5	62
26	Origin of Visible Light Absorption in GaN-Rich $(\text{Ga}_{1-x}\text{Zn}_x)(\text{N}_{1-x}\text{O}_x)$ Photocatalysts. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 18853-18855	3.8	79
25	Roles of Rh/Cr <sub>2</sub> O <sub>3</sub> (Core/Shell) Nanoparticles Photodeposited on Visible-Light-Responsive $(\text{Ga}_{1-x}\text{Zn}_x)(\text{N}_{1-x}\text{O}_x)$ Solid Solutions in Photocatalytic Overall Water Splitting. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 7554-7560	3.8	200
24	Photocatalytic Properties of RuO <sub>2</sub> -Loaded $\text{Ge}_3\text{N}_4$ for Overall Water Splitting. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 4749-4755	3.8	87
23	Dependence of Activity and Stability of Germanium Nitride Powder for Photocatalytic Overall Water Splitting on Structural Properties. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 4092-4097	9.6	50
22	New Non-Oxide Photocatalysts Designed for Overall Water Splitting under Visible Light. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 7851-7861	3.8	1239
21	Preparation of $(\text{Ga}_{1-x}\text{Zn}_x)(\text{N}_{1-x}\text{O}_x)$ solid-solution from ZnGa <sub>2</sub> O <sub>4</sub> and ZnO as a photo-catalyst for overall water splitting under visible light. <i>Applied Catalysis A: General</i> , <b>2007</b> , 327, 114-121	5.1	70
20	Development of Cocatalysts for Photocatalytic Overall Water Splitting on $(\text{Ga}_{1-x}\text{Zn}_x)(\text{N}_{1-x}\text{O}_x)$ Solid Solution. <i>Catalysis Surveys From Asia</i> , <b>2007</b> , 11, 145-157	2.8	48
19	Chapter 12 Nano-particulate photocatalysts for overall water splitting under visible light. <i>Theoretical and Computational Chemistry</i> , <b>2007</b> , 18, 301-315		4
18	Photocatalytic Overall Water Splitting on Gallium Nitride Powder. <i>Bulletin of the Chemical Society of Japan</i> , <b>2007</b> , 80, 1004-1010	5.1	92
17	Studies on TiN <sub>x</sub> O <sub>y</sub> F <sub>z</sub> as a Visible-Light-Responsive Photocatalyst. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 18264-18270	3.8	99
16	Improvement of photocatalytic activity of $(\text{Ga}_{1-x}\text{Zn}_x)(\text{N}_{1-x}\text{O}_x)$ solid solution for overall water splitting by co-loading Cr and another transition metal. <i>Journal of Catalysis</i> , <b>2006</b> , 243, 303-308	7.3	188
15	Noble-metal/Cr <sub>2</sub> O <sub>3</sub> core/shell nanoparticles as a cocatalyst for photocatalytic overall water splitting. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 7806-9	16.4	468
14	Noble-Metal/Cr <sub>2</sub> O <sub>3</sub> Core/Shell Nanoparticles as a Cocatalyst for Photocatalytic Overall Water Splitting. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 7970-7973	3.6	159
13	Overall water splitting using (oxy)nitride photocatalysts. <i>Pure and Applied Chemistry</i> , <b>2006</b> , 78, 2267-2276	6.1	69
12	Efficient overall water splitting under visible-light irradiation on $(\text{Ga}_{1-x}\text{Zn}_x)(\text{N}_{1-x}\text{O}_x)$ dispersed with Rh-Cr mixed-oxide nanoparticles: Effect of reaction conditions on photocatalytic activity. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 13107-12	3.4	196
11	Characterization of Rh-Cr mixed-oxide nanoparticles dispersed on $(\text{Ga}_{1-x}\text{Zn}_x)(\text{N}_{1-x}\text{O}_x)$ as a cocatalyst for visible-light-driven overall water splitting. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 13753-8	3.4	167
10	Crystal Structure Analysis of $(\text{Ga}_{0.93}\text{Zn}_{0.07})(\text{N}_{0.90}\text{O}_{0.10})$ Oxynitride Photocatalyst. <i>Materials Transactions</i> , <b>2006</b> , 47, 295-297	1.3	24

9	Photocatalyst releasing hydrogen from water. <i>Nature</i> , <b>2006</b> , 440, 295	50.4	2395
8	RuO <sub>2</sub> -loaded beta-Ge <sub>3</sub> N <sub>4</sub> as a non-oxide photocatalyst for overall water splitting. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 4150-1	16.4	353
7	Characterization of ruthenium oxide nanocluster as a cocatalyst with (Ga <sub>1-x</sub> Zn <sub>x</sub> )(N <sub>1-x</sub> O <sub>x</sub> ) for photocatalytic overall water splitting. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 21915-21	3.4	108
6	GaN:ZnO solid solution as a photocatalyst for visible-light-driven overall water splitting. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 8286-7	16.4	1195
5	Overall water splitting on (Ga <sub>1-x</sub> Zn <sub>x</sub> )(N <sub>1-x</sub> O <sub>x</sub> ) solid solution photocatalyst: relationship between physical properties and photocatalytic activity. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 20504-10	3.4	360
4	Crystal structure and optical properties of (Ga <sub>1-x</sub> Zn <sub>x</sub> )(N <sub>1-x</sub> O <sub>x</sub> ) oxynitride photocatalyst (x=0.13). <i>Chemical Physics Letters</i> , <b>2005</b> , 416, 225-228	2.5	78
3	Recent Progress on Mixed-Anion Materials for Energy Applications. <i>Bulletin of the Chemical Society of Japan</i> ,	5.1	6
2	In situ formation of a molecular cobalt(III)/AgCl photocatalyst for visible-light water oxidation. <i>Sustainable Energy and Fuels</i> ,	5.8	
1	A two-dimensional perovskite oxyfluoride Pb <sub>3</sub> Fe <sub>2</sub> O <sub>5</sub> F <sub>2</sub> as a catalyst for electrochemical oxidation of water to oxygen. <i>Sustainable Energy and Fuels</i> ,	5.8	