# Kazuhiko Maeda

List of Publications by Year
in descending order

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|---|---|---|---|
| 265 papers | 45,955 citations | 3933 88 h-index | 1755 212 g-index |
| 288 all docs | 288 docs citations | 288 times ranked | 25973 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Recent Progress on Mixed-Anion Materials for Energy Applications. Bulletin of the Chemical Society of Japan, 2022, 95, 26-37. | 3.2 | 51 |
| 2 | Synthesis and applications of carbon nitride (CN ) family with different carbon to nitrogen ratio. Carbon, 2022, 188, 482-491. | 10.3 | 22 |
| 3 | Anion Substitution at Apical Sites of Ruddlesdenâ€“Popper-type Cathodes toward High Power Density for All-Solid-State Fluoride-Ion Batteries. Chemistry of Materials, 2022, 34, 609-616. | 6.7 | 13 |
| 4 | Photocatalytic Water Oxidation by Phosphotungstate and Mg-Al Layered Double Hydroxide Hybrid. Chemistry Letters, 2022, 51, 107-110. | 1.3 | 1 |
| 5 | 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. Sustainable Energy and Fuels, 2022, 6, 2423-2427. | 4.9 | 2 |
| 6 | Synthesis of Hydride-Doped Perovskite Stannate with Visible Light Absorption Capability. Inorganic Chemistry, 2022, , . | 4.0 | 2 |
| 7 | Fluorine-Assisted Low-Temperature Synthesis of GaN:ZnO-Related Solid Solutions with Visible-Light Photoresponse. ACS Applied Materials & Interfaces, 2022, 14, 19756-19765. | 8.0 | 3 |
| 8 | Aluminaâ€Supported Alphaâ€Iron(III) Oxyhydroxide as a Recyclable Solid Catalyst for CO<sub>2</sub> Photoreduction under Visible Light. Angewandte Chemie, 2022, 134, . | 2.0 | 2 |
| 9 | Aluminaâ€Supported Alphaâ€Iron(III) Oxyhydroxide as a Recyclable Solid Catalyst for CO<sub>2</sub> Photoreduction under Visible Light. Angewandte Chemie - International Edition, 2022, 61, e202204948. | 13.8 | 15 |
| 10 | Improvement of Visibleâ€Light H<sub>2</sub> Evolution Activity of Pb<sub>2</sub>Ti<sub>2</sub>O<sub>5.4</sub>F<sub>1.2</sub> Photocatalyst by Coloading of Rh and Pd Cocatalysts. Chemistry - A European Journal, 2022, 28, . | 3.3 | 2 |
| 11 | Titelbild: Aluminaâ€Supported Alphaâ€Iron(III) Oxyhydroxide as a Recyclable Solid Catalyst for CO<sub>2</sub> Photoreduction under Visible Light (Angew. Chem. 26/2022). Angewandte Chemie, 2022, 134, . | 2.0 | 0 |
| 12 | Selective CO2 reduction into formate using Lnâ€“Ta oxynitrides combined with a binuclear Ru(II) complex under visible light. Journal of Energy Chemistry, 2021, 55, 176-182. | 12.9 | 14 |
| 13 | Recent Progress in Mixedâ€Anion Materials for Solar Fuel Production. Solar Rrl, 2021, 5, 2000521. | 5.8 | 21 |
| 14 | A bifunctional leadâ€“iron oxyfluoride, PbFeO<sub>2</sub>F, that functions as a visible-light-responsive photoanode and an electrocatalyst for water oxidation. RSC Advances, 2021, 11, 25616-25623. | 3.6 | 2 |
| 15 | Effects of Nitrogen/Fluorine Codoping on Photocatalytic Rutile TiO<sub>2</sub> Crystal Studied by First-Principles Calculations. Inorganic Chemistry, 2021, 60, 2381-2389. | 4.0 | 9 |
| 16 | Molecule/Semiconductor Hybrid Materials for Visible-Light CO<sub>2</sub> Reduction: Design Principles and Interfacial Engineering. Accounts of Materials Research, 2021, 2, 458-470. | 11.7 | 51 |
| 17 | (Invited) Dye-Sensitized Oxide Nanosheets for Visible-Light Water Splitting. ECS Meeting Abstracts, 2021, MA2021-01, 1273-1273. | 0.0 | 0 |
| 18 | Sn-Based Perovskite with a Wide Visible-Light Absorption Band Assisted by Hydride Doping. Chemistry of Materials, 2021, 33, 3631-3638. | 6.7 | 12 |

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|---|---|---|---|
| 19 | Improvement of a Pb2Ti2O5.4F1.2 Photoanode for Solar Water Splitting by Refining the Cocatalyst and Electrolyte. Bulletin of the Chemical Society of Japan, 2021, 94, 1869-1874. | 3.2 | 4 |
| 20 | 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. Chemistry of Materials, 2021, 33, 6443-6452. | 6.7 | 8 |
| 21 | Electrochemical Crystal Growth of Titanium Oxyfluoridesâ€"A Strategy for Development of Electron-Doped Materials. Inorganic Chemistry, 2021, 60, 14613-14621. | 4.0 | 1 |
| 22 | An Improved Z-Scheme for Overall Water Splitting Using Dye-Sensitized Calcium Niobate Nanosheets Synthesized by a Flux Method. ACS Applied Energy Materials, 2021, 4, 10145-10152. | 5.1 | 12 |
| 23 | In situ formation of a molecular cobalt(<scp>iii</scp>)/AgCl photocatalyst for visible-light water oxidation. Sustainable Energy and Fuels, 2021, 5, 5694-5698. | 4.9 | 0 |
| 24 | Excited Carrier Dynamics in a Dye-Sensitized Niobate Nanosheet Photocatalyst for Visible-Light Hydrogen Evolution. ACS Catalysis, 2021, 11, 659-669. | 11.2 | 22 |
| 25 | Reversible and Fast (De)fluorination of Highâ€Capacity Cu<sub>2</sub>O Cathode: One Step Toward Practically Applicable Allâ€Solidâ€State Fluorideâ€Ion Battery. Advanced Energy Materials, 2021, 11, 2102285. | 19.5 | 23 |
| 26 | Accelerated lithium ions diffusion at the interface between LiFePO4 electrode and electrolyte by surface-nitride treatment. Solid State Ionics, 2021, 373, 115792. | 2.7 | 2 |
| 27 | A Bifunctional Leadâ€"Iron Oxyfluoride, PbFeO2F, That Drives Photoelectrochemical and Electrochemical Water Oxidation. ECS Meeting Abstracts, 2021, MA2021-02, 1736-1736. | 0.0 | 0 |
| 28 | Improved Electrochemical Water Oxidation over Chromium-Substituted Cobalt Aluminate Spinels. Bulletin of the Chemical Society of Japan, 2020, 93, 13-19. | 3.2 | 5 |
| 29 | Light Absorption Properties and Electronic Band Structures of Leadâ€Vanadium Oxyhalide Apatites Pb 5 (VO 4 ) 3 X (X=F, Cl, Br, I). Chemistry - an Asian Journal, 2020, 15, 540-545. | 3.3 | 6 |
| 30 | 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. Journal of Physical Chemistry C, 2020, 124, 1844-1850. | 3.1 | 16 |
| 31 | Synthesis of Copolymerized Carbon Nitride Nanosheets from Urea and 2â€Aminobenzonitrile for Enhanced Visible Light CO<sub>2</sub> Reduction with a Ruthenium(II) Complex Catalyst. Solar Rrl, 2020, 4, 1900461. | 5.8 | 13 |
| 32 | Synthesis of Three-Layer Perovskite Oxynitride K<sub>2</sub>Ca<sub>2</sub>Ta<sub>3</sub>O<sub>9</sub>NÂ·2H<sub>2</sub>O and Photocatalytic Activity for H<sub>2</sub> Evolution under Visible Light. Inorganic Chemistry, 2020, 59, 11122-11128. | 4.0 | 20 |
| 33 | Photochemical synthesis of nanoscale multicomponent metal species and their application to photocatalytic and electrochemical water splitting. , 2020, , 19-38. | | 3 |
| 34 | Emerging Nanomaterials for Lightâ€Driven Reactions: Past, Present, and Future. Solar Rrl, 2020, 4, 2000354. | 5.8 | 3 |
| 35 | Capacity Improvement by Nitrogen Doping to Lithium-Rich Cathode Materials with Stabilization Effect of Oxide Ions Redox. ACS Applied Energy Materials, 2020, 3, 4162-4167. | 5.1 | 18 |
| 36 | Site-Selective Deposition of a Cobalt Cocatalyst onto a Plasmonic Au/TiO<sub>2</sub> Photoanode for Improved Water Oxidation. ACS Applied Energy Materials, 2020, 3, 5142-5146. | 5.1 | 26 |

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|---|---|---|---|
| 37 | Nano vs. bulk rutile TiO<sub>2</sub>:N,F in Z-scheme overall water splitting under visible light. Journal of Materials Chemistry A, 2020, 8, 11996-12002. | 10.3 | 23 |
| 38 | Structureâ€Activity Relationship in a Cobalt Aluminate Nanoparticle Cocatalyst with a Graphitic Carbon Nitride Photocatalyst for Visibleâ€Light Water Oxidation. ChemPhotoChem, 2020, 4, 5175-5180. | 3.0 | 1 |
| 39 | Visible-Light-Induced Photocatalytic Activity of Stacked MXene Sheets of Y<sub>2</sub>CF<sub>2</sub>. Journal of Physical Chemistry C, 2020, 124, 14640-14645. | 3.1 | 22 |
| 40 | 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>. Sustainable Energy and Fuels, 2020, 4, 4186-4195. | 4.9 | 14 |
| 41 | Twoâ€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 Visibleâ€Light H<sub>2</sub> Evolution. Angewandte Chemie, 2020, 132, 9823-9830. | 2.0 | 4 |
| 42 | Efficient Visible-Light-Driven CO<sub>2</sub> Reduction by a Cobalt Molecular Catalyst Covalently Linked to Mesoporous Carbon Nitride. Journal of the American Chemical Society, 2020, 142, 6188-6195. | 13.7 | 199 |
| 43 | Rutile TiO2â€“based new photocatalysts for visible light water oxidation. , 2020, , 7-22. | | 1 |
| 44 | Twoâ€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 Visibleâ€Light H<sub>2</sub> Evolution. Angewandte Chemie - International Edition, 2020, 59, 9736-9743. | 13.8 | 33 |
| 45 | Selective metathesis synthesis of MgCr<sub>2</sub>S<sub>4</sub> by control of thermodynamic driving forces. Materials Horizons, 2020, 7, 1310-1316. | 12.2 | 27 |
| 46 | Water Oxidation through Interfacial Electron Transfer by Visible Light Using Cobalt-Modified Rutile Titania Thin-Film Photoanode. ACS Applied Materials & Interfaces, 2020, 12, 9219-9225. | 8.0 | 12 |
| 47 | Cobalt Aluminate Spinel as a Cocatalyst for Photocatalytic Oxidation of Water: Significant Hole-Trapping Effect. ACS Catalysis, 2020, 10, 4960-4966. | 11.2 | 33 |
| 48 | An Artificial Z-Scheme Constructed from Dye-Sensitized Metal Oxide Nanosheets for Visible Light-Driven Overall Water Splitting. Journal of the American Chemical Society, 2020, 142, 8412-8420. | 13.7 | 103 |
| 49 | Activation of a Pt-loaded Pb<sub>2</sub>Ti<sub>2</sub>O<sub>5.4</sub>F<sub>1.2</sub> photocatalyst by alkaline chloride treatment for improved H<sub>2</sub> evolution under visible light. Journal of Materials Chemistry A, 2020, 8, 9099-9108. | 10.3 | 11 |
| 50 | Solar Water Oxidation by a Visibleâ€Lightâ€Responsive Tantalum/Nitrogenâ€Codoped Rutile Titania Anode for Photoelectrochemical Water Splitting and Carbon Dioxide Fixation. ChemPhotoChem, 2019, 3, 37-45. | 3.0 | 34 |
| 51 | Enhanced water splitting through two-step photoexcitation by sunlight using tantalum/nitrogen-codoped rutile titania as a water oxidation photocatalyst. Sustainable Energy and Fuels, 2019, 3, 2337-2346. | 4.9 | 14 |
| 52 | An electronic structure governed by the displacement of the indium site in Inâ€“S<sub>6</sub> octahedra: LnOInS<sub>2</sub> (Ln = La, Ce, and Pr). Dalton Transactions, 2019, 48, 12272-12278. | 3.3 | 8 |
| 53 | Defect Density-Dependent Electron Injection from Excited-State Ru(II) Tris-Diimine Complexes into Defect-Controlled Oxide Semiconductors. Journal of Physical Chemistry C, 2019, 123, 28310-28318. | 3.1 | 9 |
| 54 | Synergistic Effect of Hydrochloric Acid and Phytic Acid Doping on Polyaniline-Coupled g-C<sub>3</sub>N<sub>4</sub> Nanosheets for Photocatalytic Cr(VI) Reduction and Dye Degradation. ACS Applied Materials & Interfaces, 2019, 11, 35702-35712. | 8.0 | 89 |

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|---|---|---|---|
| 55 | Solar-Driven Photoelectrochemical Water Oxidation over an n-Type Leadâ€“Titanium Oxyfluoride Anode. Journal of the American Chemical Society, 2019, 141, 17158-17165. | 13.7 | 38 |
| 56 | 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. Nanoscale Advances, 2019, 1, 189-194. | 4.6 | 17 |
| 57 | Solar Water Oxidation by a Visible-Light-Responsive Tantalum/Nitrogen-Codoped Rutile Titania Anode for Photoelectrochemical Water Splitting and Carbon Dioxide Fixation. ChemPhotoChem, 2019, 3, 3-3. | 3.0 | 1 |
| 58 | Structure and Photocatalytic Activity of PdCrOx Cocatalyst on SrTiO3 for Overall Water Splitting. Catalysts, 2019, 9, 59. | 3.5 | 24 |
| 59 | Earth-Abundant Molecular Z-Scheme Photoelectrochemical Cell for Overall Water-Splitting. Journal of the American Chemical Society, 2019, 141, 9593-9602. | 13.7 | 84 |
| 60 | Oxygenâ€Doped Ta<sub>3</sub>N<sub>5</sub> Nanoparticles for Enhanced Zâ€Scheme Carbon Dioxide Reduction with a Binuclear Ruthenium(II) Complex under Visible Light. ChemPhotoChem, 2019, 3, 1027-1033. | 3.0 | 10 |
| 61 | Direct evidence for two-dimensional oxide-ion diffusion in the hexagonal perovskite-related oxide Ba<sub>3</sub>MoNbO<sub>8.5â^Î´</sub>. Journal of Materials Chemistry A, 2019, 7, 13910-13916. | 10.3 | 44 |
| 62 | Facile pâ€“n control, and magnetic and thermoelectric properties of chromium selenides Cr2+xSe3. Journal of Materials Chemistry C, 2019, 7, 8269-8276. | 5.5 | 18 |
| 63 | Metalâ€Complex/Semiconductor Hybrid Photocatalysts and Photoelectrodes for CO<sub>2</sub> Reduction Driven by Visible Light. Advanced Materials, 2019, 31, e1808205. | 21.0 | 196 |
| 64 | Synthesis of a Layered Niobium Oxynitride, Rb<sub>2</sub>NdNb<sub>2</sub>O<sub>6</sub>NÂ·H<sub>2</sub>O, Showing Visible-Light Photocatalytic Activity for H<sub>2</sub> Evolution. Inorganic Chemistry, 2019, 58, 6161-6166. | 4.0 | 23 |
| 65 | Selective Synthesis and Photocatalytic Oxygen Evolution Activities of Tantalum/Nitrogen-Codoped Anatase, Brookite and Rutile Titanium Dioxide. Bulletin of the Chemical Society of Japan, 2019, 92, 1032-1038. | 3.2 | 8 |
| 66 | Visible-Light-Driven Water Oxidation Using Anatase Titania Modified with First-Row Transition-Metal-Oxide Nanoclusters. Journal of Physical Chemistry C, 2019, 123, 10429-10434. | 3.1 | 13 |
| 67 | A zinc-based oxysulfide photocatalyst SrZn<sub>2</sub>S<sub>2</sub>O capable of reducing and oxidizing water. Dalton Transactions, 2019, 48, 15778-15781. | 3.3 | 21 |
| 68 | Crucial impact of reduction on the photocarrier dynamics of SrTiO<sub>3</sub> powders studied by transient absorption spectroscopy. Journal of Materials Chemistry A, 2019, 7, 26139-26146. | 10.3 | 21 |
| 69 | A Visible-Light-Driven Z-Scheme CO2 Reduction System Using Ta3N5 and a Ru(II) Binuclear Complex. Bulletin of the Chemical Society of Japan, 2019, 92, 124-126. | 3.2 | 24 |
| 70 | Two-Dimensional Metal Oxide Nanosheets as Building Blocks for Artificial Photosynthetic Assemblies. Bulletin of the Chemical Society of Japan, 2019, 92, 38-54. | 3.2 | 175 |
| 71 | Expanding frontiers in materials chemistry and physics with multiple anions. Nature Communications, 2018, 9, 772. | 12.8 | 612 |
| 72 | Visible-light CO<sub>2</sub> reduction over a ruthenium(<scp>ii</scp>)-complex/C<sub>3</sub>N<sub>4</sub> hybrid photocatalyst: the promotional effect of silver species. Journal of Materials Chemistry A, 2018, 6, 9708-9715. | 10.3 | 31 |

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|---|---|---|---|
| 73 | New Precursor Route Using a Compositionally Flexible Layered Oxide and Nanosheets for Improved Nitrogen Doping and Photocatalytic Activity. ACS Applied Energy Materials, 2018, 1, 1734-1741. | 5.1 | 10 |
| 74 | CO2 reduction using oxynitrides and nitrides under visible light. Progress in Solid State Chemistry, 2018, 51, 52-62. | 7.2 | 23 |
| 75 | Influence of TiO2 Support on Activity of Co3O4/TiO2 Photocatalysts for Visible-Light Water Oxidation. Bulletin of the Chemical Society of Japan, 2018, 91, 486-491. | 3.2 | 16 |
| 76 | 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>. Journal of Physical Chemistry C, 2018, 122, 26506-26511. | 3.1 | 31 |
| 77 | Analysis of Optical Properties and Structures of Nitrogen Doped Gallium Oxide. E-Journal of Surface Science and Nanotechnology, 2018, 16, 262-266. | 0.4 | 10 |
| 78 | High Rate Performance of Dual-Substituted LiFePO<sub>4</sub> Based on Controlling Metastable Intermediate Phase. ACS Applied Energy Materials, 2018, 1, 6736-6740. | 5.1 | 9 |
| 79 | Mechanistic Insight on the Formation of GaN:ZnO Solid Solution from Zn-Ga Layered Double Hydroxide Using Urea as the Nitriding Agent. Inorganic Chemistry, 2018, 57, 13953-13962. | 4.0 | 20 |
| 80 | 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. ACS Sustainable Chemistry and Engineering, 2018, 6, 15333-15340. | 6.7 | 40 |
| 81 | Effects of Interfacial Electron Transfer in Metal Complexâ€“Semiconductor Hybrid Photocatalysts on Z-Scheme CO<sub>2</sub> Reduction under Visible Light. ACS Catalysis, 2018, 8, 9744-9754. | 11.2 | 60 |
| 82 | Nitrogen/fluorine-codoped rutile titania as a stable oxygen-evolution photocatalyst for solar-driven Z-scheme water splitting. Sustainable Energy and Fuels, 2018, 2, 2025-2035. | 4.9 | 36 |
| 83 | Excited-State Dynamics of Graphitic Carbon Nitride Photocatalyst and Ultrafast Electron Injection to a Ru(II) Mononuclear Complex for Carbon Dioxide Reduction. Journal of Physical Chemistry C, 2018, 122, 16795-16802. | 3.1 | 39 |
| 84 | Graphitic carbon nitride prepared from urea as a photocatalyst for visible-light carbon dioxide reduction with the aid of a mononuclear ruthenium(II) complex. Beilstein Journal of Organic Chemistry, 2018, 14, 1806-1812. | 2.2 | 38 |
| 85 | Hybrid Z-scheme nanocomposites for photocatalysis. , 2018, , 289-306. | | 1 |
| 86 | 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. Angewandte Chemie, 2018, 130, 8286-8290. | 2.0 | 17 |
| 87 | 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. Angewandte Chemie - International Edition, 2018, 57, 8154-8158. | 13.8 | 66 |
| 88 | A Stable, Narrow-Gap Oxyfluoride Photocatalyst for Visible-Light Hydrogen Evolution and Carbon Dioxide Reduction. Journal of the American Chemical Society, 2018, 140, 6648-6655. | 13.7 | 139 |
| 89 | Rapid deposition and thermoelectric properties of ytterbium boride thin films using hybrid physical chemical vapor deposition. Materialia, 2018, 1, 244-248. | 2.7 | 12 |
| 90 | Water Splitting on Rutile TiO<sub>2</sub>â€Based Photocatalysts. Chemistry - A European Journal, 2018, 24, 18204-18219. | 3.3 | 142 |

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|---|---|---|---|
| 91 | A Carbon Nitride/Fe Quaterpyridine Catalytic System for Photostimulated CO<sub>2</sub>-to-CO Conversion with Visible Light. Journal of the American Chemical Society, 2018, 140, 7437-7440. | 13.7 | 160 |
| 92 | Homogeneous Electron Doping into Nonstoichiometric Strontium Titanate Improves Its Photocatalytic Activity for Hydrogen and Oxygen Evolution. ACS Catalysis, 2018, 8, 7190-7200. | 11.2 | 34 |
| 93 | Photocatalytic Property of Mixed Anion Compounds. Nihon Kessho Gakkaishi, 2018, 60, 260-267. | 0.0 | 1 |
| 94 | Development of hybrid photocatalysts constructed with a metal complex and graphitic carbon nitride for visible-light-driven CO<sub>2</sub> reduction. Physical Chemistry Chemical Physics, 2017, 19, 4938-4950. | 2.8 | 54 |
| 95 | Solar-driven Z-scheme water splitting using tantalum/nitrogen co-doped rutile titania nanorod as an oxygen evolution photocatalyst. Journal of Materials Chemistry A, 2017, 5, 11710-11719. | 10.3 | 101 |
| 96 | Cobalt Oxide Nanoclusters on Rutile Titania as Bifunctional Units for Water Oxidation Catalysis and Visible Light Absorption: Understanding the Structureâ€“Activity Relationship. ACS Applied Materials & Interfaces, 2017, 9, 6114-6122. | 8.0 | 54 |
| 97 | Synthesis and photocatalytic activity of K<sub>2</sub>CaNaNb<sub>3</sub>O<sub>10</sub>, a new Ruddlesdenâ€“Popper phase layered perovskite. Dalton Transactions, 2017, 46, 10594-10601. | 3.3 | 46 |
| 98 | Chromium-substituted hematite powder as a catalytic material for photochemical and electrochemical water oxidation. Catalysis Science and Technology, 2017, 7, 2940-2946. | 4.1 | 18 |
| 99 | Synthesis, structure and photocatalytic activity of layered LaOInS<sub>2</sub>. Journal of Materials Chemistry A, 2017, 5, 14270-14277. | 10.3 | 30 |
| 100 | Hybrid photocathode consisting of a CuGaO<sub>2</sub> p-type semiconductor and a Ru(<scp>ii</scp>)â€“Re(<scp>i</scp>) supramolecular photocatalyst: non-biased visible-light-driven CO<sub>2</sub> reduction with water oxidation. Chemical Science, 2017, 8, 4242-4249. | 7.4 | 136 |
| 101 | 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. Angewandte Chemie, 2017, 129, 4945-4949. | 2.0 | 52 |
| 102 | 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. Angewandte Chemie - International Edition, 2017, 56, 4867-4871. | 13.8 | 223 |
| 103 | Structures, electron density and characterization of novel photocatalysts, (BaTaO<sub>2</sub>N)<sub>1â”x</sub>(SrWO<sub>2</sub>N)<sub>x</sub>solid solutions. Dalton Transactions, 2017, 46, 14947-14956. | 3.3 | 16 |
| 104 | Inert Layered Silicate Improves the Electrochemical Responses of a Metal Complex Polymer. ACS Applied Materials & Interfaces, 2017, 9, 35498-35503. | 8.0 | 23 |
| 105 | Light-Induced Water Splitting Using Layered Metal Oxides and Nanosheets. Semiconductors and Semimetals, 2017, , 257-288. | 0.7 | 1 |
| 106 | Effects of the SrTiO<sub>3</sub> support on visible-light water oxidation with Co<sub>3</sub>O<sub>4</sub> nanoparticles. Dalton Transactions, 2017, 46, 16959-16966. | 3.3 | 10 |
| 107 | Interfacial Manipulation by Rutile TiO<sub>2</sub> Nanoparticles to Boost CO<sub>2</sub> Reduction into CO on a Metal-Complex/Semiconductor Hybrid Photocatalyst. ACS Applied Materials & Interfaces, 2017, 9, 23869-23877. | 8.0 | 69 |
| 108 | Activation of the Carbon Nitride Surface by Silica in a COâ€Evolving Hybrid Photocatalyst. ChemSusChem, 2017, 10, 287-295. | 6.8 | 36 |

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|---|---|---|---|
| 109 | Development of Defect-controlled, Visible-light-responsive Rutile TiO<sub>2</sub> Photocatalysts. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2016, 24, 92-97. | 0.0 | 0 |
| 110 | Photocatalytic Water Oxidation over Metal Oxide Nanosheets Having a Threeâ€Layer Perovskite Structure. ChemSusChem, 2016, 9, 396-402. | 6.8 | 21 |
| 111 | Modification of Wideâ€Bandâ€Gap Oxide Semiconductors with Cobalt Hydroxide Nanoclusters for Visibleâ€Light Water Oxidation. Angewandte Chemie - International Edition, 2016, 55, 8309-8313. | 13.8 | 77 |
| 112 | Nature-Inspired, Highly Durable CO<sub>2</sub> Reduction System Consisting of a Binuclear Ruthenium(II) Complex and an Organic Semiconductor Using Visible Light. Journal of the American Chemical Society, 2016, 138, 5159-5170. | 13.7 | 403 |
| 113 | A Z-scheme photocatalyst constructed with an yttriumâ€“tantalum oxynitride and a binuclear Ru(<scp>ii</scp>) complex for visible-light CO<sub>2</sub> reduction. Chemical Communications, 2016, 52, 7886-7889. | 4.1 | 54 |
| 114 | Z-scheme reduction of carbon dioxide with visible light using a binuclear metal complex and a semiconductor. Proceedings of SPIE, 2016, , . | 0.8 | 0 |
| 115 | Modification of small noble metal particles on KCa2Nb3O10 restacked nanosheets and the photocatalytic activity. , 2016, , . | | 1 |
| 116 | Photoelectrochemical Reduction of CO<sub>2</sub> Coupled to Water Oxidation Using a Photocathode with a Ru(II)â€“Re(I) Complex Photocatalyst and a CoO<sub>x</sub>/TaON Photoanode. Journal of the American Chemical Society, 2016, 138, 14152-14158. | 13.7 | 260 |
| 117 | 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 |
| 118 | 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. Chemistry Letters, 2016, 45, 182-184. | 1.3 | 45 |
| 119 | Photochemical Synthesis of Fe(III)â€“Cr(III) Mixed Oxide Nanoparticles on Strontium Titanate Powder and Their Application as Water Oxidation Cocatalysts. Chemistry Letters, 2016, 45, 967-969. | 1.3 | 9 |
| 120 | Modification of Wideâ€Bandâ€Gap Oxide Semiconductors with Cobalt Hydroxide Nanoclusters for Visibleâ€Light Water Oxidation. Angewandte Chemie, 2016, 128, 8449-8453. | 2.0 | 10 |
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