Tomiko M Suzuki

List of Publications by Year
in descending order

30 papers	1,423 citations	394421 19 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	1922 citing authors

#	Article	IF	Citations
1	Photocatalytic CO₂ Reduction Using Water as an Electron Donor under Visible Light Irradiation by Z-Scheme and Photoelectrochemical Systems over (CuGa)_{0.5}ZnS₂ in the Presence of Basic Additives. Journal of the American Chemical Society, 2022, 144, 2323-2332.	13.7	56
2	Solar-Driven CO₂ Reduction Using a Semiconductor/Molecule Hybrid Photosystem: From Photocatalysts to a Monolithic Artificial Leaf. Accounts of Chemical Research, 2022, 55, 933-943.	15.6	47
3	Photocatalytic CO2 reduction by a Z-scheme mechanism in an aqueous suspension of particulate (CuGa)0.3Zn1.4S2, BiVO4 and a Co complex operating dual-functionally as an electron mediator and as a cocatalyst. Applied Catalysis B: Environmental, 2022, 316, 121600.	20.2	8
4	Study of Excited States and Electron Transfer of Semiconductorâ€Metalâ€Complex Hybrid Photocatalysts for CO 2 Reduction by Using Picosecond Timeâ€Resolved Spectroscopies. Chemistry - A European Journal, 2021, 27, 1127-1137.	3.3	4
5	Carbon Nanohorn Support for Solar driven CO₂ Reduction to CO Catalyzed by Mnâ€complex in an All Earthâ€abundant System. ChemNanoMat, 2021, 7, 596-599.	2.8	3
6	Particulate photocatalytic reactors with spectrum-splitting function for artificial photosynthesis. Physical Chemistry Chemical Physics, 2021, 23, 15659-15674.	2.8	2
7	Electrochemical CO₂ reduction over nanoparticles derived from an oxidized Cuâ€“Ni intermetallic alloy. Chemical Communications, 2020, 56, 15008-15011.	4.1	10
8	Operando X-ray absorption spectroscopy of hyperfine Î²-FeOOH nanorods modified with amorphous Ni(OH)2 under electrocatalytic water oxidation conditions. Chemical Communications, 2020, 56, 5158-5161.	4.1	12
9	High-pressure synthesis of Îµ-FeOOH from Î²-FeOOH and its application to the water oxidation catalyst. RSC Advances, 2020, 10, 44756-44767.	3.6	6
10	Solar-driven CO₂ to CO reduction utilizing H₂O as an electron donor by earth-abundant Mnâ€“bipyridine complex and Ni-modified Fe-oxyhydroxide catalysts activated in a single-compartment reactor. Chemical Communications, 2019, 55, 237-240.	4.1	33
11	First principles calculations of surface dependent electronic structures: a study on Î²-FeOOH and Î³-FeOOH. Physical Chemistry Chemical Physics, 2019, 21, 18486-18494.	2.8	17
12	Molecular Catalysts Immobilized on Semiconductor Photosensitizers for Proton Reduction toward Visibleâ€Lightâ€Driven Overall Water Splitting. ChemSusChem, 2019, 12, 1807-1824.	6.8	25
13	Highly Enhanced Electrochemical Water Oxidation Reaction over Hyperfine Î²-FeOOH(Cl):Ni Nanorod Electrode by Modification with Amorphous Ni(OH)2. Bulletin of the Chemical Society of Japan, 2018, 91, 778-786.	3.2	24
14	Effects of Ta₂O₅ Surface Modification by NH₃ on the Electronic Structure of a Ru-Complex/Nâ€“Ta₂O₅ Hybrid Photocatalyst for Selective CO₂ Reduction. Journal of Physical Chemistry C, 2018, 122, 1921-1929.	3.1	12
15	Enhancement of CO2 reduction activity under visible light irradiation over Zn-based metal sulfides by combination with Ru-complex catalysts. Applied Catalysis B: Environmental, 2018, 224, 572-578.	20.2	55
16	Electrochemical Water Oxidation Catalysed by CoOâ€Co₂O₃â€Co(OH)₂ Multiphaseâ€Nanoparticles Prepared by Femtosecond Laser Ablation in Water. ChemistrySelect, 2018, 3, 4979-4984.	1.5	14
17	Z-Schematic and visible-light-driven CO₂ reduction using H₂O as an electron donor by a particulate mixture of a Ru-complex/(CuGa)_{1âˆ’x}Zn_{2x}S₂ hybrid catalyst, BiVO₄ and an electron mediator. Chemical Communications, 2018, 54, 10199-10202.	4.1	52
18	Highly crystalline Î²-FeOOH(Cl) nanorod catalysts doped with transition metals for efficient water oxidation. Sustainable Energy and Fuels, 2017, 1, 636-643.	4.9	40

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19	Stoichiometric water splitting using a p-type Fe₂O₃based photocathode with the aid of a multi-heterojunction. Journal of Materials Chemistry A, 2017, 5, 6483-6493.	10.3	34
20	Photoelectrochemical hydrogen production by water splitting over dual-functionally modified oxide: p-Type N-doped Ta2O5 photocathode active under visible light irradiation. Applied Catalysis B: Environmental, 2017, 202, 597-604.	20.2	49
21	Z-scheme water splitting under visible light irradiation over powdered metal-complex/semiconductor hybrid photocatalysts mediated by reduced graphene oxide. Journal of Materials Chemistry A, 2015, 3, 13283-13290.	10.3	65
22	Nitrogen and transition-metal codoped titania nanotube arrays for visible-light-sensitive photoelectrochemical water oxidation. Chemical Communications, 2014, 50, 7614.	4.1	17
23	Visible light-sensitive mesoporous N-doped Ta2O5 spheres: synthesis and photocatalytic activity for hydrogen evolution and CO2 reduction. Journal of Materials Chemistry, 2012, 22, 24584.	6.7	65
24	Direct assembly synthesis of metal complexâ€“semiconductor hybrid photocatalysts anchored by phosphonate for highly efficient CO2 reduction. Chemical Communications, 2011, 47, 8673.	4.1	108
25	Selective CO₂ Conversion to Formate Conjugated with H₂O Oxidation Utilizing Semiconductor/Complex Hybrid Photocatalysts. Journal of the American Chemical Society, 2011, 133, 15240-15243.	13.7	458
26	Dual functional modification by N doping of Ta2O5: p-type conduction in visible-light-activated N-doped Ta2O5. Applied Physics Letters, 2010, 96, .	3.3	56
27	Synthesis and catalytic properties of sulfonic acid-functionalized monodispersed mesoporous silica spheres. Microporous and Mesoporous Materials, 2008, 111, 350-358.	4.4	38
28	Pore-expansion of organically functionalized monodispersed mesoporous silica spheres and pore-size effects on adsorption and catalytic properties. Microporous and Mesoporous Materials, 2008, 116, 284-291.	4.4	20
29	Direct synthesis of amino-functionalized monodispersed mesoporous silica spheres and their catalytic activity for nitroaldol condensation. Journal of Molecular Catalysis A, 2008, 280, 224-232.	4.8	64
30	Enhancement of catalytic performance by creating shell layers on sulfonic acid-functionalized monodispersed mesoporous silica spheres. Journal of Catalysis, 2008, 258, 265-272.	6.2	29