Hiroaki Tada

List of Publications by Year
in descending order

179	8,843	57681	51423
papers	citations	46 h-index	90 g-index

185	185	185	10914
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rational design for gold nanoparticle-based plasmonic catalysts and electrodes for water oxidation towards artificial photosynthesis. Dalton Transactions, 2022, 51, 3383-3393.	1.6	12
2	Photocatalytic Activity of Radial Rutile Titanium(IV) Oxide Microspheres for Aerobic Oxidation of Organics. ChemPhysChem, 2022, 23, e202200015.	1.0	0
3	Front Cover: Photocatalytic Activity of Radial Rutile Titanium(IV) Oxide Microspheres for Aerobic Oxidation of Organics (ChemPhysChem 3/2022). ChemPhysChem, 2022, 23, .	1.0	0
4	Highly Active and Renewable Catalytic Electrodes for Two-Electron Oxygen Reduction Reaction. Langmuir, 2022, 38, 4785-4792.	1.6	7
5	Photocatalytic Activity of Radial Rutile Titanium(IV) Oxide Microspheres for Aerobic Oxidation of Organics. ChemPhysChem, 2022, 23, .	1.0	0
6	Noble Metalâ€Free Inorganic Photocatalyst Consisting of Antimonyâ€Doped Tin Oxide Nanorod and Titanium oxide for Twoâ€Electron Oxygen Reduction Reaction. ChemPhysChem, 2022, 23, .	1.0	2
7	Antimony-Doped Tin Oxide Catalysts for Green and Sustainable Chemistry. Journal of Physical Chemistry C, 2022, 126, 13539-13547.	1.5	6
8	Cover Feature: Photothermal Oxidation of Cinnamyl Alcohol with Hydrogen Peroxide Catalyzed by Gold Nanoparticle/Antimonyâ€Doped Tin Oxide Nanocrystals (Chem. Eur. J. 46/2022). Chemistry - A European Journal, 2022, 28, .	1.7	0
9	Optical Hot Spot Generation by the Plasmonic Coupling of Au Nanoparticles in the Nanospaces of Mesoporous Titanium(IV) Oxide. Langmuir, 2021, 37, 1838-1842.	1.6	2
10	Bottom-up formation of gold truncated pyramids smaller than 10 nm on SrTiO3 nanocubes: an application for plasmonic water oxidation. Chemical Communications, 2021, 57, 7232-7235.	2.2	3
11	Ammonium ion-promoted electrochemical production of synthetic gas from water and carbon dioxide on a fluorine-doped tin oxide electrode. Chemical Communications, 2021, 57, 1438-1441.	2.2	2
12	Atomic Level Interface Control of SnO2-TiO2 Nanohybrids for the Photocatalytic Activity Enhancement. Catalysts, 2021, 11, 205.	1.6	8
13	A Photothermal Catalyst Consisting of Manganese Oxide Clusters and Antimony-doped Tin Oxide Nanocrystal: Application to Environmental Purification. Chemistry Letters, 2021, 50, 1372-1374.	0.7	3
14	A heteromesocrystal photocatalyst consisting of SnO2(head)-TiO2(tail) nanorod hybrids. Catalysis Communications, 2021, 154, 106301.	1.6	3
15	Hydrogen Peroxide Production from Oxygen and Water by Two-electrode Electrolytic Cell Using a Gold Nanoparticle-loaded Fluorine-doped Tin Oxide Cathode. Chemistry Letters, 2021, 50, 1589-1591.	0.7	3
16	Photocatalysis of Ag Nanoparticle-incorporated AgI Formed in the Pores of Mesoporous TiO₂Film. Chemistry Letters, 2021, 50, 1872-1874.	0.7	1
17	Thermocatalytic Activity of Gold Truncated Nanopyramids on Strontium Titanate Nanocube. Chemistry Letters, 2021, 50, 1997-2000.	0.7	3
18	Radial TiO2 Nanorod-Based Mesocrystals: Synthesis, Characterization, and Applications. Catalysts, 2021, 11, 1298.	1.6	6

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19	Switching of Electron Transport Direction from the Long Axis to Short Axis in a Radial SnO₂(Head)â€“Rutile TiO₂ Nanorod(Tail) Heteromesocrystal Photocatalyst. Journal of Physical Chemistry Letters, 2021, 12, 11717-11722.	2.1	4
20	Action of chloride ions as a habit modifier in the hydrothermal crystal growth of rutile TiO2 nanorod from SnO2 seed crystal. Chemical Physics Letters, 2020, 761, 138003.	1.2	6
21	Nanohybrid Crystals with Heteroepitaxial Junctions for Solar-to-Chemical Transformations. Journal of Physical Chemistry C, 2020, 124, 25657-25666.	1.5	7
22	Symmetry Breaking Induced by Growth Kinetics: Oneâ€Pot Synthesis of Janus Auâˆ’AgBr Nanoparticles. ChemNanoMat, 2020, 6, 1485-1495.	1.5	5
23	Hydrogen peroxide synthesis from water and oxygen using a three-component nanohybrid photocatalyst consisting of Au particle-loaded rutile TiO2 and RuO2 with a heteroepitaxial junction. Chemical Communications, 2020, 56, 8190-8193.	2.2	12
24	Auâ€“Ag alloy nanoparticle-incorporated AgBr plasmonic photocatalyst. Scientific Reports, 2020, 10, 19972.	1.6	6
25	Photothermal effect of antimony-doped tin oxide nanocrystals on the photocatalysis. Catalysis Communications, 2020, 142, 106044.	1.6	8
26	Low-temperature selective aerobic oxidation of cyclohexanol to cyclohexanone over n-type metal oxide-supported Au nanoparticles. Catalysis Communications, 2020, 144, 106089.	1.6	3
27	Size effect of zinc oxide-supported gold nanoparticles on the photocatalytic activity for two-electron oxygen reduction reaction. Catalysis Communications, 2020, 144, 106076.	1.6	9
28	A Three-Component Plasmonic Photocatalyst Consisting of Gold Nanoparticle and TiO2â€“SnO2 Nanohybrid with Heteroepitaxial Junction: Hydrogen Peroxide Synthesis. Journal of Physical Chemistry C, 2020, 124, 7797-7802.	1.5	22
29	Electrocatalytic Effect on the Photon-to-Current Conversion Efficiency of Gold-Nanoparticle-Loaded Titanium(IV) Oxide Plasmonic Electrodes for Water Oxidation. Journal of Physical Chemistry C, 2020, 124, 6103-6109.	1.5	8
30	Visible-Light-Driven Hydrogen Peroxide Synthesis by a Hybrid Photocatalyst Consisting of Bismuth Vanadate and Bis(hexafluoroacetylacetonato)copper(II) Complex. Journal of Physical Chemistry C, 2020, 124, 3715-3721.	1.5	17
31	Heat treatment effect of a hybrid consisting of SnO2 nanorod and rutile TiO2 with heteroepitaxial junction on the photocatalytic activity. Catalysis Communications, 2020, 147, 106148.	1.6	6
32	Copper Oxide Cluster Surface Modification-Induced Multiple Electron Oxygen Reduction Reaction on Bismuth Vanadate under Visible-Light Irradiation. Journal of the Electrochemical Society, 2020, 167, 116523.	1.3	2
33	Heteronanostructured Photocatalysts with Epitaxial Junctions between the Components. ECS Meeting Abstracts, 2020, MA2020-02, 3077-3077.	0.0	0
34	Highly Efficient and Selective Oxidation of Ethanol to Acetaldehyde by a Hybrid Photocatalyst Consisting of SnO 2 Nanorod and Rutile TiO 2 with Heteroepitaxial Junction. ChemPhysChem, 2019, 20, 2155-2161.	1.0	26
35	Ultrathin Silicon Oxide Filmâ€Induced Enhancement of Charge Separation and Transport of Nanostructured Titanium(IV) Oxide Photoelectrode. ChemPhysChem, 2019, 20, 2054-2059.	1.0	6
36	Highly Efficient and Selective Oxidation of Ethanol to Acetaldehyde by a Hybrid Photocatalyst Consisting of SnO₂ Nanorod and Rutile TiO₂ with Heteroepitaxial Junction. ChemPhysChem, 2019, 20, 2138-2138.	1.0	0

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37	Synthesis of Auâ€“Ag Alloy Nanoparticle-Incorporated AgBr Crystals. Catalysts, 2019, 9, 745.	1.6	7
38	Size, shape and interface control in gold nanoparticle-based plasmonic photocatalysts for solar-to-chemical transformations. Dalton Transactions, 2019, 48, 6308-6313.	1.6	23
39	Nanohybrid Catalysts for Efficient Synthesis of Hydrogen Peroxide at Ambient Temperature and Pressure. Journal of Physical Chemistry C, 2019, 123, 9831-9837.	1.5	9
40	Overall water splitting and hydrogen peroxide synthesis by gold nanoparticle-based plasmonic photocatalysts. Nanoscale Advances, 2019, 1, 4238-4245.	2.2	47
41	Synthesis of 1D-Anisotropic Particles Consisting of TiO₂ Nanorods and SnO₂ with Heteroepitaxial Junctions and Self-Assembled 3D-Microspheres. Langmuir, 2019, 35, 17096-17102.	1.6	8
42	One-Compartment Hydrogen Peroxide-Photofuel Cell Using TiO₂Photoanode and Prussian Blue Cathode. Journal of the Electrochemical Society, 2018, 165, F300-F304.	1.3	9
43	Red-Light-Driven Water Splitting by Au(Core)â€“CdS(Shell) Half-Cut Nanoegg with Heteroepitaxial Junction. Journal of the American Chemical Society, 2018, 140, 1251-1254.	6.6	147
44	Solar-Driven One-Compartment Hydrogen Peroxide-Photofuel Cell Using Bismuth Vanadate Photoanode. ACS Omega, 2018, 3, 12099-12105.	1.6	17
45	Au (Core)â€“Pt (Shell) Nanocatalysts with the Shell Thickness Controlled at a Monolayer Level: Extremely High Activity for Hydrogen Peroxide Decomposition. Journal of Physical Chemistry C, 2018, 122, 22953-22958.	1.5	4
46	Nanohybrid-sensitized photoelectrochemical cells for solar-to-hydrogen conversion. MRS Communications, 2018, 8, 754-764.	0.8	2
47	Water splitting by plasmonic photocatalysts with a gold nanoparticle/cadmium sulfide heteroepitaxial junction: A mini review. Electrochemistry Communications, 2018, 97, 22-26.	2.3	16
48	Dependence of the plasmonic activity of Au/TiO2 for the decomposition of 2-naphthol on the crystal form of TiO2 and Au particle size. Journal of Catalysis, 2018, 364, 328-333.	3.1	26
49	In Situ Shape Change of Au Nanoparticles on TiO₂ by CdS Photodeposition: Its Near-Field Enhancement Effect on Photoinduced Electron Injection from CdS to TiO₂. ACS Omega, 2018, 3, 6104-6112.	1.6	13
50	Photo-effect on the electromotive force in two-compartment hydrogen peroxide-photofuel cell. Electrochemistry Communications, 2018, 93, 31-34.	2.3	9
51	Au Nanoparticle-Semiconductor Plasmonic Photocatalyst for Solar Material and Energy Conversions : Au Particle Size Effect. Journal of the Japan Society of Colour Material, 2018, 91, 122-127.	0.0	0
52	Gold(Core)â€“Lead(Shell) Nanoparticleâ€Loaded Titanium(IV) Oxide Prepared by Underpotential Photodeposition: Plasmonic Water Oxidation. Angewandte Chemie, 2017, 129, 10483-10487.	1.6	6
53	Gold(Core)â€“Lead(Shell) Nanoparticleâ€Loaded Titanium(IV) Oxide Prepared by Underpotential Photodeposition: Plasmonic Water Oxidation. Angewandte Chemie - International Edition, 2017, 56, 10347-10351.	7.2	31
54	A dry process for forming ultrathin silicon oxide film on gold nanoparticle. Applied Physics Letters, 2017, 110, 143108.	1.5	2

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55	Electron Filtering by an Intervening ZnS Thin Film in the Gold Nanoparticle-Loaded CdS Plasmonic Photocatalyst. Journal of Physical Chemistry Letters, 2017, 8, 86-90.	2.1	13
56	Hydrogen peroxide-photofuel cell using TiO2 photoanode. Electrochemistry Communications, 2017, 84, 71-74.	2.3	19
57	Photocatalytic Synthesis of CdS(core)â€“CdSe(shell) Quantum Dots with a Heteroepitaxial Junction on TiO₂: Photoelectrochemical Hydrogen Generation from Water. ChemPhysChem, 2017, 18, 2827-2827.	1.0	1
58	Photocatalytic Synthesis of CdS(core)â€“CdSe(shell) Quantum Dots with a Heteroepitaxial Junction on TiO₂: Photoelectrochemical Hydrogen Generation from Water. ChemPhysChem, 2017, 18, 2840-2845.	1.0	13
59	Rapid Removal and Mineralization of Bisphenol A by Heterosupramolecular Plasmonic Photocatalyst Consisting of Gold Nanoparticle-Loaded Titanium(IV) Oxide and Surfactant Admicelle. Langmuir, 2017, 33, 10468-10472.	1.6	5
60	Plasmonic effect in Au(core)-CdS(shell) quantum dot-sensitized photoelectrochemical cell for hydrogen generation from water. Applied Physics Letters, 2017, 111, .	1.5	10
61	Solid-Phase Photochemical Growth of Composition-Variable Auâ€“Ag Alloy Nanoparticles in AgBr Crystal. Journal of Physical Chemistry C, 2017, 121, 20763-20768.	1.5	6
62	Sizeâ€Dependence of the Activity of Gold Nanoparticleâ€Loaded Titanium(IV) Oxide Plasmonic Photocatalyst for Water Oxidation. ChemPhysChem, 2016, 17, 2813-2817.	1.0	37
63	Fermi Level Control of Gold Nanoparticle by the Support: Activation of the Catalysis for Selective Aerobic Oxidation of Alcohols. Journal of Physical Chemistry C, 2016, 120, 12440-12445.	1.5	23
64	Coverage control of CdSe quantum dots in the photodeposition on TiO2 for the photoelectrochemical solar hydrogen generation. Journal of Colloid and Interface Science, 2016, 474, 34-40.	5.0	19
65	Goldâ€Nanoparticleâ€Loaded Carbonateâ€Modified Titanium(IV) Oxide Surface: Visibleâ€Lightâ€Driven Formation of Hydrogen Peroxide from Oxygen. Angewandte Chemie - International Edition, 2016, 55, 12773-12777.	7.2	111
66	Local Electric Field-Enhanced Plasmonic Photocatalyst: Formation of Ag Cluster-Incorporated AgBr Nanoparticles on TiO₂. Journal of Physical Chemistry C, 2016, 120, 19663-19669.	1.5	44
67	Two-Step Excitation-Driven Auâ€“TiO2â€“CuO Three-Component Plasmonic Photocatalyst: Selective Aerobic Oxidation of Cyclohexylamine to Cyclohexanone. Journal of Physical Chemistry C, 2016, 120, 27989-27995.	1.5	16
68	Reaction Mechanism of the Multiple-Electron Oxygen Reduction Reaction on the Surfaces of Gold and Platinum Nanoparticles Loaded on Titanium(IV) Oxide. Journal of Physical Chemistry Letters, 2016, 7, 5002-5007.	2.1	32
69	Goldâ€Nanoparticleâ€Loaded Carbonateâ€Modified Titanium(IV) Oxide Surface: Visibleâ€Lightâ€Driven Formation of Hydrogen Peroxide from Oxygen. Angewandte Chemie, 2016, 128, 12965-12969.	1.6	20
70	High Coverage Formation of CdS Quantum Dots on TiO₂ by the Photocatalytic Growth of Preformed Seeds. Journal of Physical Chemistry C, 2016, 120, 17365-17371.	1.5	34
71	Visible-light-induced water oxidation by a hybrid photocatalyst consisting of bismuth vanadate and copper(<scp>ii</scp>) meso-tetra(4-carboxyphenyl)porphyrin. Chemical Communications, 2016, 52, 3665-3668.	2.2	39
72	Temperature- and pH-Dependence of Hydrogen Peroxide Formation from Molecular Oxygen by Gold Nanoparticle-Loaded Titanium(IV) Oxide Photocatalyst. Journal of Physical Chemistry C, 2016, 120, 1083-1088.	1.5	51

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73	Mechanism of the Multipleâ€Electron Oxygen Reduction Reaction in the Presence of the Binuclear Cu(acac)₂ Complex. ChemPhysChem, 2015, 16, 3392-3396.	1.0	2
74	Rapid removal and decomposition of gaseous acetaldehyde by the thermo- and photo-catalysis of gold nanoparticle-loaded anatase titanium(IV) oxide. Journal of Colloid and Interface Science, 2015, 456, 161-165.	5.0	11
75	A new bimetallic plasmonic photocatalyst consisting of gold(core)-copper(shell) nanoparticle and titanium(IV) oxide support. APL Materials, 2015, 3, .	2.2	35
76	A bi-overlayer type plasmonic photocatalyst consisting of mesoporous Au/TiO₂ and CuO/SnO₂ films separately coated on FTO. Physical Chemistry Chemical Physics, 2015, 17, 18004-18010.	1.3	6
77	Subâ€Bandgap Excitationâ€Induced Electron Injection from CdSe Quantum Dots to TiO₂ in a Directly Coupled System. ChemPhysChem, 2015, 16, 1846-1851.	1.0	12
78	Visible Light-Driven Selective Aerobic Oxidation of Benzylalcohols to Benzaldehydes by a Cu(acac)₂-BiVO₄-Admicelle Three-Component Heterosupramolecular Photocatalyst. Journal of Physical Chemistry C, 2015, 119, 11771-11776.	1.5	18
79	Rapid removal and subsequent low-temperature mineralization of gaseous acetaldehyde by the dual thermocatalysis of gold nanoparticle-loaded titanium(IV) oxide. Journal of Catalysis, 2015, 326, 9-14.	3.1	24
80	Lead selenideâ€“Titanium dioxide heteronanojunction formation by photocatalytic current doubling-induced two-step photodeposition technique. Journal of Colloid and Interface Science, 2015, 457, 248-253.	5.0	7
81	Room-temperature selective oxidation of 2-naphthol to BINOL using a Au/SrTiO₃â€“H₂O₂catalytic system. Chemical Communications, 2015, 51, 17669-17671.	2.2	15
82	Surface charge-transfer complex formation of catechol on titanium(IV) oxide and the application to bio-sensing. Journal of Colloid and Interface Science, 2015, 458, 305-309.	5.0	17
83	Visibleâ€Lightâ€Induced Electron Transport from Small to Large Nanoparticles in Bimodal Gold Nanoparticleâ€Loaded Titanium(IV) Oxide. Angewandte Chemie, 2014, 126, 7433-7437.	1.6	22
84	Molecular-Scale Transition Metal Oxide Nanocluster Surface-Modified Titanium Dioxide as Solar-Activated Environmental Catalysts. Journal of Physical Chemistry C, 2014, 118, 12077-12086.	1.5	80
85	Highly Active Supported Plasmonic Photocatalyst Consisting of Gold Nanoparticle-Loaded Mesoporous Titanium(IV) Oxide Overlayer and Conducting Substrate. Journal of Physical Chemistry C, 2014, 118, 26887-26893.	1.5	17
86	Multiâ€Electron Oxygen Reduction by a Hybrid Visibleâ€Lightâ€Photocatalyst Consisting of Metalâ€Oxide Semiconductor and Selfâ€Assembled Biomimetic Complex. Angewandte Chemie - International Edition, 2014, 53, 13894-13897.	7.2	34
87	Photocatalytic Current Doubling-Induced Generation of Uniform Selenium and Cadmium Selenide Quantum Dots on Titanium(IV) Oxide. Journal of Physical Chemistry C, 2014, 118, 8917-8924.	1.5	22
88	Visibleâ€Lightâ€Induced Electron Transport from Small to Large Nanoparticles in Bimodal Gold Nanoparticleâ€Loaded Titanium(IV) Oxide. Angewandte Chemie - International Edition, 2014, 53, 7305-7309.	7.2	91
89	Photodeposition of copper sulphide nanocrystals on titanium(iv) oxide nanorods and their application in smart windows. RSC Advances, 2013, 3, 10414.	1.7	21
90	Simultaneous induction of high level thermal and visible-light catalytic activities to titanium(iv) oxide by surface modification with cobalt(iii) oxide clusters. Physical Chemistry Chemical Physics, 2013, 15, 20313.	1.3	24

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91	In situ room temperature synthesis of a polyanilineâ€“goldâ€“titanium(<scp>iv</scp>) dioxide heteronanojunction system. Chemical Communications, 2013, 49, 520-522.	2.2	10
92	One-Step Selective Aerobic Oxidation of Amines to Imines by Gold Nanoparticle-Loaded Rutile Titanium(IV) Oxide Plasmon Photocatalyst. ACS Catalysis, 2013, 3, 10-13.	5.5	171
93	Rapid and Complete Removal of Nonylphenol by Gold Nanoparticle/Rutile Titanium(IV) Oxide Plasmon Photocatalyst. ACS Catalysis, 2013, 3, 903-907.	5.5	47
94	Origin of the Visible-Light Response of Nickel(II) Oxide Cluster Surface Modified Titanium(IV) Dioxide. Journal of Physical Chemistry C, 2013, 117, 2709-2718.	1.5	68
95	Loading Effect in Copper(II) Oxide Cluster-Surface-Modified Titanium(IV) Oxide on Visible- and UV-Light Activities. Journal of Physical Chemistry C, 2013, 117, 23848-23857.	1.5	65
96	Manganese Oxide-Surface Modified Titanium (IV) Dioxide as Environmental Catalyst. Catalysts, 2013, 3, 444-454.	1.6	39
97	Low temperature-synthesis of BiVO4 nanorods using polyethylene glycol as a soft template and the visible-light-activity for copper acetylacetonate decomposition. Applied Catalysis B: Environmental, 2012, 125, 288-293.	10.8	75
98	Molecular Metal Oxide Cluster-Surface Modified Titanium(IV) Dioxide Photocatalysts. Australian Journal of Chemistry, 2012, 65, 624.	0.5	36
99	TiO₂ Crystal Form-Dependence of the Au/TiO₂ Plasmon Photocatalystâ€™s Activity. Journal of Physical Chemistry C, 2012, 116, 7111-7117.	1.5	132
100	Prediction of the Main Route in the TiO₂â€Photocatalyzed Degradation of Organic Compounds in Water by Density Functional Calculations. ChemPhysChem, 2012, 13, 3457-3461.	1.0	19
101	A strong support-effect on the catalytic activity of gold nanoparticles for hydrogen peroxide decomposition. Chemical Communications, 2011, 47, 3230.	2.2	53
102	Nickel(ii) oxide surface-modified titanium(iv) dioxide as a visible-light-active photocatalyst. Chemical Communications, 2011, 47, 8814.	2.2	59
103	Visible-Light-Driven Copper Acetylacetonate Decomposition by BiVO₄. Langmuir, 2011, 27, 10334-10339.	1.6	34
104	Photodeposition of Ag₂S Quantum Dots and Application to Photoelectrochemical Cells for Hydrogen Production under Simulated Sunlight. Langmuir, 2011, 27, 7294-7300.	1.6	94
105	Photodeposition of metal sulfide quantum dots on titanium(iv) dioxide and the applications to solar energy conversion. Chemical Society Reviews, 2011, 40, 4232.	18.7	219
106	Visible-Light-Active Iron Oxide-Modified Anatase Titanium(IV) Dioxide. Journal of Physical Chemistry C, 2011, 115, 6478-6483.	1.5	92
107	Visibleâ€Light Activity Enhancement of Goldâ€Nanoparticleâ€Loaded Titanium(IV) Dioxide by Preferential Excitation of Localized Surface Plasmon Resonance. ChemPhysChem, 2011, 12, 2719-2723.	1.0	23
108	Titanium(IV) Dioxide Surfaceâ€Modified with Iron Oxide as a Visible Light Photocatalyst. Angewandte Chemie - International Edition, 2011, 50, 3501-3505.	7.2	202

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109	Facile synthesis and catalytic activity of MoS2/TiO2 by a photodeposition-based technique and its oxidized derivative MoO3/TiO2 with a unique photochromism. Journal of Colloid and Interface Science, 2011, 354, 607-610.	5.0	105
110	Interfacial chemical bonding effect on the photocatalytic activity of TiO2â€“SiO2 nanocoupling systems. Journal of Colloid and Interface Science, 2011, 361, 628-631.	5.0	35
111	Photodeposition of Metal Sulfide Quantum Dots on Titanium(IV) Dioxide and its Applications. Materials Research Society Symposia Proceedings, 2011, 1352, 141.	0.1	0
112	Ultrafast Photodeposition of Sizeâ€Controlled PbS Quantum Dots on TiO₂. ChemPhysChem, 2010, 11, 2349-2352.	1.0	21
113	PbS Quantum Dotâ€Sensitized Photoelectrochemical Cell for Hydrogen Production from Water under Illumination of Simulated Sunlight. ChemPhysChem, 2010, 11, 3592-3595.	1.0	52
114	Quantum-Dot-Sensitized Solar Cell Using a Photoanode Prepared by in Situ Photodeposition of CdS on Nanocrystalline TiO₂ Films. Journal of Physical Chemistry C, 2010, 114, 16837-16842.	1.5	52
115	Self-Assembled Heterosupramolecular Visible Light Photocatalyst Consisting of Gold Nanoparticle-Loaded Titanium(IV) Dioxide and Surfactant. Journal of the American Chemical Society, 2010, 132, 6292-6293.	6.6	167
116	Light wavelength-switchable photocatalytic reaction by gold nanoparticle-loaded titanium(iv) dioxide. Chemical Communications, 2010, 46, 815-817.	2.2	103
117	In Situ Liquid Phase Synthesis of Hydrogen Peroxide from Molecular Oxygen Using Gold Nanoparticle-Loaded Titanium(IV) Dioxide Photocatalyst. Journal of the American Chemical Society, 2010, 132, 7850-7851.	6.6	265
118	Sizeâ€Dependence of Catalytic Activity of Gold Nanoparticles Loaded on Titanium (IV) Dioxide for Hydrogen Peroxide Decomposition. ChemPhysChem, 2009, 10, 2935-2938.	1.0	76
119	Photodeposition of CdS Quantum Dots on TiO₂: Preparation, Characterization, and Reaction Mechanism. Journal of Physical Chemistry C, 2009, 113, 16711-16716.	1.5	86
120	Rational design and applications of highly efficient reaction systems photocatalyzed by noble metal nanoparticle-loaded titanium(iv) dioxide. Chemical Society Reviews, 2009, 38, 1849.	18.7	315
121	Electrochemically regenerative visible light-induced reactivity of Î±-Fe2O3 films with Ag(core)â€“AgCl(shell) microcrystal composites. Electrochemistry Communications, 2008, 10, 1132-1135.	2.3	12
122	Size-dependence of Fermi energy of gold nanoparticles loaded on titanium(iv) dioxide at photostationary state. Physical Chemistry Chemical Physics, 2008, 10, 6553.	1.3	78
123	A green process for coupling manganese oxides with titanium(iv) dioxide. Chemical Communications, 2008, , 3564.	2.2	19
124	SiOx Ultrathin Layer Coverage Effect on the (Photo)catalytic Activities of Rutile TiO2. Journal of Physical Chemistry C, 2008, 112, 8702-8707.	1.5	25
125	Photoinduced Sulfur Desorption from Platinum Nanoparticles Loaded on Titanium Dioxide. Chemistry Letters, 2007, 36, 1214-1215.	0.7	5
126	Electrochemically Assisted Visible Light Photocatalysis in a Heterosupramolecular System Consisting of Î±-Fe2O3 and Surfactant Molecular Assembly. Langmuir, 2007, 23, 8593-8596.	1.6	20

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127	Ag(core)â€“AgCl(shell) standard microelectrode-loaded TiO2. Chemical Communications, 2007, , 4291.	2.2	38
128	Dispersion stability of TiO2 nanoparticles covered with SiOx monolayers in water. Journal of Colloid and Interface Science, 2007, 306, 274-280.	5.0	11
129	Low-Temperature Photocleaning of Sulfur-Poisoned Au Nanoparticles on Titanium Dioxide Film. Electrochemical and Solid-State Letters, 2006, 9, E9.	2.2	5
130	Ultrafast Photosynthetic Reduction of Elemental Sulfur by Au Nanoparticle-Loaded TiO2. Journal of Physical Chemistry B, 2006, 110, 10771-10778.	1.2	54
131	Optical Properties of Au-Ag Alternate Nanowires Prepared Using Anodized Aluminum Porous Films as a Template. Journal of the Japan Society of Colour Material, 2006, 79, 55-61.	0.0	0
132	Multicolor Anodized Aluminum Film with Gold and Silver Nanorod Array. Journal of the Japan Society of Colour Material, 2006, 79, 190-196.	0.0	2
133	All-solid-state Z-scheme in CdSâ€“Auâ€“TiO2 three-component nanojunction system. Nature Materials, 2006, 5, 782-786.	13.3	1,266
134	Visible light photocatalytic decomposition of 2-naphthol by anodic-biased Î±-Fe2O3 film. Journal of Colloid and Interface Science, 2006, 294, 504-507.	5.0	43
135	Surface Properties and Photocatalytic Activity of Ptcore/Agshell Nanoparticle-Loaded TiO2. ChemPhysChem, 2006, 7, 1687-1691.	1.0	19
136	Electrolytic Coloring with Cobalt of Anodized Aluminum. Journal of the Japan Society of Colour Material, 2005, 78, 2-6.	0.0	1
137	Kinetic and DFT Studies on the Ag/TiO2-Photocatalyzed Selective Reduction of Nitrobenzene to Aniline. ChemPhysChem, 2005, 6, 1537-1543.	1.0	64
138	Kinetic and DFT Studies on the Photoinduced Desorption of Sulfur from Gold Nanoparticles Loaded on Titanium Dioxide. ChemPhysChem, 2005, 6, 2508-2512.	1.0	8
139	Low-temperature synthesis of anataseâ€“brookite composite nanocrystals: the junction effect on photocatalytic activity. Journal of Colloid and Interface Science, 2005, 281, 510-513.	5.0	119
140	Photoinduced dissolution and redeposition of Au nanoparticles supported on TiO2. Journal of Colloid and Interface Science, 2005, 286, 816-819.	5.0	14
141	Photoinduced Desorption of Sulfur from Gold Nanoparticles Loaded on Metal Oxide Surfaces. Journal of the American Chemical Society, 2004, 126, 15952-15953.	6.6	47
142	Patterned TiO2/SnO2Bilayer Type Photocatalyst. 3. Preferential Deposition of Pt Particles on the SnO2Underlayer and Its Effect on Photocatalytic Activity. Langmuir, 2004, 20, 3816-3819.	1.6	21
143	Deactivation of the TiO2Photocatalyst by Coupling with WO3and the Electrochemically Assisted High Photocatalytic Activity of WO3. Langmuir, 2004, 20, 4665-4670.	1.6	86
144	Drastic Enhancement of TiO2-Photocatalyzed Reduction of Nitrobenzene by Loading Ag Clusters. Langmuir, 2004, 20, 7898-7900.	1.6	169

#	Article	IF	Citations
145	One-Pot Process for Anodic Oxide Films of Titanium with High Photocatalytic Activity. Materials Transactions, 2004, 45, 1607-1612.	0.4	11
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