Yukina Takahashi

List of Publications by Year
in descending order

36 papers	1,056 citations	430874 18 h-index	414414 32 g-index
36 all docs	36 docs citations	36 times ranked	1267 citing authors

#	Article	IF	Citations
1	Solid state photovoltaic cells based on localized surface plasmon-induced charge separation. Applied Physics Letters, 2011, 99, .	3.3	116
2	Plasmonâ€Resonanceâ€Based Generation of Cathodic Photocurrent at Electrodeposited Gold Nanoparticles Coated with TiO₂ Films. ChemPhysChem, 2009, 10, 766-769.	2.1	107
3	Energy storage TiO2â€“MoO3 photocatalysts. Electrochimica Acta, 2004, 49, 2025-2029.	5.2	91
4	Enhancement of Dye-Sensitized Photocurrents by Gold Nanoparticles: Effects of Plasmon Coupling. Journal of Physical Chemistry C, 2013, 117, 5901-5907.	3.1	81
5	Oxidative Energy Storage Ability of a TiO2â^'Ni(OH)2Bilayer Photocatalyst. Langmuir, 2005, 21, 12357-12361.	3.5	78
6	Electrodeposition of thermally stable gold and silver nanoparticle ensembles through a thin alumina nanomask. Nanoscale, 2010, 2, 1494.	5.6	67
7	Visible light-induced photocatalysts with reductive energy storage abilities. Electrochemistry Communications, 2008, 10, 1404-1407.	4.7	62
8	Enhancement of dye-sensitized photocurrents by gold nanoparticles: effects of dyeâ€“particle spacing. Nanoscale, 2011, 3, 2865.	5.6	60
9	Achieving a Carbon Neutral Future through Advanced Functional Materials and Technologies. Bulletin of the Chemical Society of Japan, 2022, 95, 73-103.	3.2	39
10	Metal Oxides and Hydroxides as Rechargeable Materials for Photocatalysts with Oxidative Energy Storage Abilities. Electrochemistry, 2014, 82, 749-751.	1.4	38
11	Electropolymerized Polythiophene Photoelectrodes with Density-Controlled Gold Nanoparticles. Langmuir, 2012, 28, 9155-9160.	3.5	36
12	Site-selective nanoscale-polymerization of pyrrole on gold nanoparticles via plasmon induced charge separation. Nanoscale, 2016, 8, 8520-8524.	5.6	31
13	Remote energy storage in Ni(OH)2 with TiO2 photocatalyst. Physical Chemistry Chemical Physics, 2006, 8, 2716.	2.8	24
14	Visible light driven photocatalysts with oxidative energy storage abilities. Journal of Materials Chemistry, 2011, 21, 2288-2293.	6.7	24
15	Gold clusterâ€“nanoparticle diad systems for plasmonic enhancement of photosensitization. Nanoscale, 2013, 5, 7855.	5.6	24
16	Photocatalytic Remote Oxidation Induced by Visible Light. Journal of Physical Chemistry C, 2011, 115, 18270-18274.	3.1	22
17	Gold Nanorods Embedded in Titanium Oxide Film for Sensing Applications. Analytical Sciences, 2013, 29, 101-105.	1.6	19
18	Structural characterization and plasmonic properties of two-dimensional arrays of hydrophobic large gold nanoparticles fabricated by Langmuir-Blodgett technique. Applied Surface Science, 2017, 404, 350-356.	6.1	19

#	Article	IF	Citations
19	Oxidation of methanol and formaldehyde to CO2 by a photocatalyst with an energy storage ability. Physical Chemistry Chemical Physics, 2010, 12, 5166.	2.8	17
20	Organic bulk heterojunction photovoltaic devices incorporating 2D arrays of cuboidal silver nanoparticles: Enhanced performance. Chemical Physics Letters, 2013, 584, 130-134.	2.6	16
21	Enhanced Photoelectrochemical Response of Polythiophene Photoelectrodes with Controlled Arrays of Silver Nanocubes. Journal of Physical Chemistry C, 2015, 119, 8829-8837.	3.1	16
22	Effects of silver nanoparticles with different sizes on photochemical responses of polythiopheneâ€“fullerene thin films. Physical Chemistry Chemical Physics, 2014, 16, 1166-1173.	2.8	15
23	Anisotropic light absorption by localized surface plasmon resonance in a thin film of gold nanoparticles studied by visible multiple-angle incidence resolution spectrometry. Physical Chemistry Chemical Physics, 2011, 13, 9691.	2.8	10
24	Oxidative Reaction Energy in Photopolymerization Inspired by Plasmon-Induced Charge Separation. Journal of Physical Chemistry C, 2020, 124, 4202-4205.	3.1	9
25	Thermal and Chemical Stabilization of Silver Nanoplates for Plasmonic Sensor Application. Analytical Sciences, 2016, 32, 275-279.	1.6	5
26	A versatile method for surface functionalization and hydrophobization of gold nanoparticles. Applied Surface Science, 2021, 546, 148932.	6.1	5
27	Space Optimization for Utilization of Plasmonic Effect on a P3HT-Gold Nanoparticle Photoelectrode. Chemistry Letters, 2017, 46, 1612-1615.	1.3	4
28	Influence of space arrangement of silver nanoparticles in organic photoelectric conversion devices. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 332, 586-594.	3.9	4
29	Câ€“H Arylation of Benzene with Aryl Halides using H₂ and a Waterâ€Soluble Rhâ€Based Electron Storage Catalyst. Chemistry - A European Journal, 2021, 27, 17326-17330.	3.3	4
30	Vibrational spectroscopic characterization of 4-acylamidobenzenethiol-stabilized gold nanoparticles. Vibrational Spectroscopy, 2014, 73, 10-14.	2.2	3
31	Metal and Metal Oxide Nanoparticles for Photoelectrochemical Materials and Devices. Electrochemistry, 2014, 82, 726-729.	1.4	3
32	Reductive C(sp3)â€“C(sp3) homo-coupling of benzyl or allyl halides with H2 using a water-soluble electron storage catalyst. RSC Advances, 2021, 11, 39450-39454.	3.6	3
33	Characteristics of Gold Nanorods and Their Applications to Analytical Sciences. Bunseki Kagaku, 2014, 63, 551-561.	0.2	2
34	Vibrational Spectroscopic Studies on the Formation Processes and Characteristics of Octadecanethiol Monolayers on the Surfaces of Gold Nanoparticles. Transactions of the Materials Research Society of Japan, 2015, 40, 253-256.	0.2	2
35	Photoenergy Conversion Systems by Utilizing Localized Surface Plasmon Resonance Based on Metal Nanostructures. Journal of the Japan Society of Colour Material, 2017, 90, 426-430.	0.1	0
36	Development and Analytical Application of Nanosystems for Photoenergy Storage and Localization. Bunseki Kagaku, 2019, 68, 777-782.	0.2	0