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	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
2	A versatile method for surface functionalization and hydrophobization of gold nanoparticles. Applied Surface Science, 2021, 546, 148932.	6.1	5
3	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
4	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
5	Oxidative Reaction Energy in Photopolymerization Inspired by Plasmon-Induced Charge Separation. Journal of Physical Chemistry C, 2020, 124, 4202-4205.	3.1	9
6	Development and Analytical Application of Nanosystems for Photoenergy Storage and Localization. Bunseki Kagaku, 2019, 68, 777-782.	0.2	0
7	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
8	Space Optimization for Utilization of Plasmonic Effect on a P3HT-Gold Nanoparticle Photoelectrode. Chemistry Letters, 2017, 46, 1612-1615.	1.3	4
9	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
10	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
11	Site-selective nanoscale-polymerization of pyrrole on gold nanoparticles via plasmon induced charge separation. Nanoscale, 2016, 8, 8520-8524.	5.6	31
12	Thermal and Chemical Stabilization of Silver Nanoplates for Plasmonic Sensor Application. Analytical Sciences, 2016, 32, 275-279.	1.6	5
13	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
14	Enhanced Photoelectrochemical Response of Polythiophene Photoelectrodes with Controlled Arrays of Silver Nanocubes. Journal of Physical Chemistry C, 2015, 119, 8829-8837.	3.1	16
15	Vibrational spectroscopic characterization of 4-acylamidobenzenethiol-stabilized gold nanoparticles. Vibrational Spectroscopy, 2014, 73, 10-14.	2.2	3
16	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
17	Metal Oxides and Hydroxides as Rechargeable Materials for Photocatalysts with Oxidative Energy Storage Abilities. Electrochemistry, 2014, 82, 749-751.	1.4	38
18	Metal and Metal Oxide Nanoparticles for Photoelectrochemical Materials and Devices. Electrochemistry, 2014, 82, 726-729.	1.4	3

#	Article	IF	Citations
19	Characteristics of Gold Nanorods and Their Applications to Analytical Sciences. Bunseki Kagaku, 2014, 63, 551-561.	0.2	2
20	Gold clusterâ€“nanoparticle diad systems for plasmonic enhancement of photosensitization. Nanoscale, 2013, 5, 7855.	5.6	24
21	Organic bulk heterojunction photovoltaic devices incorporating 2D arrays of cuboidal silver nanoparticles: Enhanced performance. Chemical Physics Letters, 2013, 584, 130-134.	2.6	16
22	Enhancement of Dye-Sensitized Photocurrents by Gold Nanoparticles: Effects of Plasmon Coupling. Journal of Physical Chemistry C, 2013, 117, 5901-5907.	3.1	81
23	Gold Nanorods Embedded in Titanium Oxide Film for Sensing Applications. Analytical Sciences, 2013, 29, 101-105.	1.6	19
24	Electropolymerized Polythiophene Photoelectrodes with Density-Controlled Gold Nanoparticles. Langmuir, 2012, 28, 9155-9160.	3.5	36
25	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
26	Photocatalytic Remote Oxidation Induced by Visible Light. Journal of Physical Chemistry C, 2011, 115, 18270-18274.	3.1	22
27	Visible light driven photocatalysts with oxidative energy storage abilities. Journal of Materials Chemistry, 2011, 21, 2288-2293.	6.7	24
28	Solid state photovoltaic cells based on localized surface plasmon-induced charge separation. Applied Physics Letters, 2011, 99, .	3.3	116
29	Enhancement of dye-sensitized photocurrents by gold nanoparticles: effects of dyeâ€“particle spacing. Nanoscale, 2011, 3, 2865.	5.6	60
30	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
31	Electrodeposition of thermally stable gold and silver nanoparticle ensembles through a thin alumina nanomask. Nanoscale, 2010, 2, 1494.	5.6	67
32	Plasmonâ€Resonanceâ€Based Generation of Cathodic Photocurrent at Electrodeposited Gold Nanoparticles Coated with TiO₂ Films. ChemPhysChem, 2009, 10, 766-769.	2.1	107
33	Visible light-induced photocatalysts with reductive energy storage abilities. Electrochemistry Communications, 2008, 10, 1404-1407.	4.7	62
34	Remote energy storage in Ni(OH)2 with TiO2 photocatalyst. Physical Chemistry Chemical Physics, 2006, 8, 2716.	2.8	24
35	Oxidative Energy Storage Ability of a TiO2â^'Ni(OH)2Bilayer Photocatalyst. Langmuir, 2005, 21, 12357-12361.	3.5	78
36	Energy storage TiO2â€“MoO3 photocatalysts. Electrochimica Acta, 2004, 49, 2025-2029.	5.2	91