

Wakana Kubo

List of Publications by Year in descending order

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37
papers

843
citations

687363

13
h-index

477307

29
g-index

37
all docs

37
docs citations

37
times ranked

1149
citing authors

#	ARTICLE	IF	CITATIONS
1	Au Double Nanopillars with Nanogap for Plasmonic Sensor. Nano Letters, 2011, 11, 8-15.	9.1	156
2	Super-hydrophobic/super-hydrophilic patterning of gold surfaces by photocatalytic lithography. Journal of Materials Chemistry, 2005, 15, 1523.	6.7	108
3	Mechanisms of Photocatalytic Remote Oxidation. Journal of the American Chemical Society, 2006, 128, 16034-16035.	13.7	107
4	Patterning of Solid Surfaces by Photocatalytic Lithography Based on the Remote Oxidation Effect of TiO ₂ . Langmuir, 2002, 18, 9632-9634.	3.5	84
5	Mechanisms and Resolution of Photocatalytic Lithography. Journal of Physical Chemistry B, 2004, 108, 3005-3009.	2.6	70
6	Detection of H ₂ O ₂ Released from TiO ₂ Photocatalyst to Air. Analytical Sciences, 2004, 20, 591-593.	1.6	65
7	Photocatalytic remote oxidation with various photocatalysts and enhancement of its activity. Journal of Materials Chemistry, 2005, 15, 3104.	6.7	59
8	Conversion of a solid surface from super-hydrophobic to super-hydrophilic by photocatalytic remote oxidation and photocatalytic lithography. Applied Surface Science, 2005, 243, 125-128.	6.1	24
9	Bolometric photodetection using plasmon-assisted resistivity change in vanadium dioxide. Scientific Reports, 2018, 8, 12764.	3.3	18
10	Photo-Thermoelectric Conversion of Plasmonic Nanohole Array. Applied Sciences (Switzerland), 2020, 10, 2681.	2.5	17
11	Quantitative Analysis of the Plasmonic Photo-Thermoelectric Phenomenon. Journal of Physical Chemistry C, 2019, 123, 21670-21675.	3.1	16
12	Embedding of a gold nanofin array in a polymer film to create transparent, flexible and anisotropic electrodes. Journal of Materials Chemistry, 2009, 19, 2154.	6.7	14
13	Coherently tunable metalens tweezers for optofluidic particle routing. Optics Express, 2020, 28, 38949.	3.4	14
14	Metamaterial perfect absorber simulations for intensifying the thermal gradient across a thermoelectric device. Optics Express, 2021, 29, 16396.	3.4	11
15	Projection method for improving signal to noise ratio of localized surface plasmon resonance biosensors. Biomedical Optics Express, 2017, 8, 446.	2.9	10
16	Metamaterial perfect absorber-enhanced plasmonic photo-thermoelectric conversion. Applied Physics Express, 2020, 13, 082006.	2.4	10
17	Acceleration of Photocatalytic Remote Oxidation by Deposition of Pt Nanoparticles onto TiO ₂ . Electrochemistry, 2010, 78, 161-164.	1.4	8
18	Photocatalytic Lithography Based on Photocatalytic Remote Oxidation. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2007, 20, 83-86.	0.3	7

#	ARTICLE	IF	CITATIONS
19	Improved method for estimating adlayer thickness and bulk RI change for gold nanocrescent sensors. Scientific Reports, 2018, 8, 6683.	3.3	7
20	P3HT:PC61BM solar cell embedding silver nanostripes for light absorption enhancement. Optics Communications, 2019, 441, 21-25.	2.1	7
21	Propagation and survival of frequency-bin entangled photons in metallic nanostructures. Nanophotonics, 2015, 4, 324-331.	6.0	6
22	Nanomembranes as a substrate for ultra-thin lightweight devices. Thin Solid Films, 2019, 676, 8-11.	1.8	6
23	Size-Controlled Simple Fabrication of Free-Standing, Ultralong Metal Nanobelt Array. Journal of Nanoscience and Nanotechnology, 2011, 11, 131-137.	0.9	4
24	Effect of Au nanoparticles on PCPDTBT:PC ₇₁ BM device performance with fair comparisons. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700110.	1.8	4
25	Au nanodot lattices with well-controlled size and density for thin organic solar cells. Physica Status Solidi - Rapid Research Letters, 2015, 9, 348-352.	2.4	3
26	Effect of Metamaterial Perfect Absorber on Device Performance of PCPDTBT:PC 71 BM Solar Cell. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900910.	1.8	3
27	Improved self-referenced biosensing with emphasis on multiple-resonance nanorod sensors. Optics Express, 2017, 25, 24803.	3.4	2
28	Manipulation of a one dimensional molecular assembly of helical superstructures by dielectrophoresis. Applied Physics Letters, 2009, 95, 163110.	3.3	1
29	Resonance enhancement of difference-frequency generation through localized surface plasmon excitation. Applied Physics Letters, 2013, 102, 203101.	3.3	1
30	Transmission of entangled photons studied by quantum tomography: do we need plasmonic resonances?. Journal of Physics Communications, 2019, 3, 065011.	1.2	1
31	Study and measurement of plasmonic properties of gold double nanotube structure arrayed on a polymer substrate. , 2013, , .		0
32	Simulation and experimental studies on plasmonic properties associated with gold nanofin array on a polymer film. , 2013, , .		0
33	Reduction in connecting resistivity and optical reflection loss at intermediate layer for mechanically stacked multijunction solar cells. Japanese Journal of Applied Physics, 2018, 57, 102301.	1.5	0
34	Polarization-dependent phase transition temperature in plasmonic thin films. Japanese Journal of Applied Physics, 2020, 59, 052001.	1.5	0
35	Activation of 300-mm-Diameter-Phosphorus-Implanted Silicon Substrates by Wireless Carbon Heating Tubes. , 2021, , .		0
36	Plasmonic Tuning of Effective Phase Transition Temperature and Electrical Conductivity. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	Plasmonic vanadium dioxide microbolometers with wavelength and polarisation sensitivity. , 2018, , .		0