

Wakana Kubo

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

843
citations

687363

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477307

29
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37
all docs

37
docs citations

37
times ranked

1149
citing authors

#	ARTICLE	IF	CITATIONS
1	Metamaterial perfect absorber simulations for intensifying the thermal gradient across a thermoelectric device. Optics Express, 2021, 29, 16396.	3.4	11
2	Activation of 300-mm-Diameter-Phosphorus-Implanted Silicon Substrates by Wireless Carbon Heating Tubes. , 2021, , .		0
3	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
4	Polarization-dependent phase transition temperature in plasmonic thin films. Japanese Journal of Applied Physics, 2020, 59, 052001.	1.5	0
5	Photo-Thermoelectric Conversion of Plasmonic Nanohole Array. Applied Sciences (Switzerland), 2020, 10, 2681.	2.5	17
6	Metamaterial perfect absorber-enhanced plasmonic photo-thermoelectric conversion. Applied Physics Express, 2020, 13, 082006.	2.4	10
7	Coherently tunable metalens tweezers for optofluidic particle routing. Optics Express, 2020, 28, 38949.	3.4	14
8	Transmission of entangled photons studied by quantum tomography: do we need plasmonic resonances?. Journal of Physics Communications, 2019, 3, 065011.	1.2	1
9	Quantitative Analysis of the Plasmonic Photo-Thermoelectric Phenomenon. Journal of Physical Chemistry C, 2019, 123, 21670-21675.	3.1	16
10	Nanomembranes as a substrate for ultra-thin lightweight devices. Thin Solid Films, 2019, 676, 8-11.	1.8	6
11	P3HT:PC61BM solar cell embedding silver nanostripes for light absorption enhancement. Optics Communications, 2019, 441, 21-25.	2.1	7
12	Improved method for estimating adlayer thickness and bulk RI change for gold nanocrescent sensors. Scientific Reports, 2018, 8, 6683.	3.3	7
13	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
14	Bolometric photodetection using plasmon-assisted resistivity change in vanadium dioxide. Scientific Reports, 2018, 8, 12764.	3.3	18
15	Plasmonic Tuning of Effective Phase Transition Temperature and Electrical Conductivity. , 2018, , .		0
16	Plasmonic vanadium dioxide microbolometers with wavelength and polarisation sensitivity. , 2018, , .		0
17	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
18	Projection method for improving signal to noise ratio of localized surface plasmon resonance biosensors. Biomedical Optics Express, 2017, 8, 446.	2.9	10

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19	Improved self-referenced biosensing with emphasis on multiple-resonance nanorod sensors. Optics Express, 2017, 25, 24803.	3.4	2
20	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
21	Propagation and survival of frequency-bin entangled photons in metallic nanostructures. Nanophotonics, 2015, 4, 324-331.	6.0	6
22	Study and measurement of plasmonic properties of gold double nanotube structure arrayed on a polymer substrate. , 2013, , .		0
23	Resonance enhancement of difference-frequency generation through localized surface plasmon excitation. Applied Physics Letters, 2013, 102, 203101.	3.3	1
24	Simulation and experimental studies on plasmonic properties associated with gold nanofin array on a polymer film. , 2013, , .		0
25	Au Double Nanopillars with Nanogap for Plasmonic Sensor. Nano Letters, 2011, 11, 8-15.	9.1	156
26	Size-Controlled Simple Fabrication of Free-Standing, Ultralong Metal Nanobelt Array. Journal of Nanoscience and Nanotechnology, 2011, 11, 131-137.	0.9	4
27	Acceleration of Photocatalytic Remote Oxidation by Deposition of Pt Nanoparticles onto TiO ₂ . Electrochemistry, 2010, 78, 161-164.	1.4	8
28	Manipulation of a one dimensional molecular assembly of helical superstructures by dielectrophoresis. Applied Physics Letters, 2009, 95, 163110.	3.3	1
29	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
30	Photocatalytic Lithography Based on Photocatalytic Remote Oxidation. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2007, 20, 83-86.	0.3	7
31	Mechanisms of Photocatalytic Remote Oxidation. Journal of the American Chemical Society, 2006, 128, 16034-16035.	13.7	107
32	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
33	Photocatalytic remote oxidation with various photocatalysts and enhancement of its activity. Journal of Materials Chemistry, 2005, 15, 3104.	6.7	59
34	Super-hydrophobic/super-hydrophilic patterning of gold surfaces by photocatalytic lithography. Journal of Materials Chemistry, 2005, 15, 1523.	6.7	108
35	Mechanisms and Resolution of Photocatalytic Lithography. Journal of Physical Chemistry B, 2004, 108, 3005-3009.	2.6	70
36	Detection of H ₂ O ₂ Released from TiO ₂ Photocatalyst to Air. Analytical Sciences, 2004, 20, 591-593.	1.6	65

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37	Patterning of Solid Surfaces by Photocatalytic Lithography Based on the Remote Oxidation Effect of TiO ₂ . Langmuir, 2002, 18, 9632-9634.	3.5	84