

Hideaki Nakajima

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

450
citations

13
h-index

20
g-index

30
ext. papers

534
ext. citations

4.7
avg, IF

3.29
L-index

#	Paper	IF	Citations
30	Virtual experimentations by deep learning on tangible materials. <i>Communications Materials</i> , 2021 , 2,	6	4
29	Confinement of Hydrogen Molecules at GrapheneMetal Interface by Electrochemical Hydrogen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 5300-5307	3.8	9
28	Imaging of local structures affecting electrical transport properties of large graphene sheets by lock-in thermography. <i>Science Advances</i> , 2019 , 5, eaau3407	14.3	17
27	Diameter-Dependent Degradation of 11 Types of Carbon Nanotubes: Safety Implications. <i>ACS Applied Nano Materials</i> , 2019 , 2, 4293-4301	5.6	14
26	Time-dependent degradation of carbon nanotubes correlates with decreased reactive oxygen species generation in macrophages. <i>International Journal of Nanomedicine</i> , 2019 , 14, 2797-2807	7.3	21
25	A Simple Method for Removal of Carbon Nanotubes from Wastewater Using Hypochlorite. <i>Scientific Reports</i> , 2019 , 9, 1284	4.9	13
24	Wafer-scale and deterministic patterned growth of monolayer MoS ₂ via vapor-liquid-solid method. <i>Nanoscale</i> , 2019 , 11, 16122-16129	7.7	40
23	Synthesis of sub-millimeter single-crystal grains of aligned hexagonal boron nitride on an epitaxial Ni film. <i>Nanoscale</i> , 2019 , 11, 14668-14675	7.7	7
22	Nonuniform functional group distribution of carbon nanotubes studied by energy dispersive X-ray spectrometry imaging in SEM. <i>Nanoscale</i> , 2019 , 11, 21487-21492	7.7	5
21	Stable 1T Tungsten Disulfide Monolayer and Its Junctions: Growth and Atomic Structures. <i>ACS Nano</i> , 2018 , 12, 12080-12088	16.7	51
20	Fiber-coupled pillar array as a highly pure and stable single-photon source. <i>Journal of Applied Physics</i> , 2017 , 122, 223104	2.5	1
19	Optical control of spectral diffusion with single InAs quantum dots in a silver-embedded nanocone. <i>Optics Express</i> , 2017 , 25, 8073-8084	3.3	2
18	Stable and efficient collection of single photons emitted from a semiconductor quantum dot into a single-mode optical fiber. <i>Applied Physics Express</i> , 2016 , 9, 032801	2.4	13
17	Superconducting Light-Emitting Diodes. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015 , 21, 1-11	3.8	8
16	Nonlocal biphoton generation in a Werner state from a single semiconductor quantum dot. <i>Physical Review B</i> , 2015 , 91,	3.3	3
15	Optical observation of superconducting density of states in luminescence spectra of InAs quantum dots. <i>Physical Review B</i> , 2015 , 92,	3.3	7
14	Time-resolved measurements of Cooper-pair radiative recombination in InAs quantum dots. <i>Journal of Applied Physics</i> , 2015 , 118, 073102	2.5	1

13	Subwavelength metallic cavities with high-Q resonance modes. <i>Nanotechnology</i> , 2015 , 26, 085201	3.4	2
12	Vanishing fine-structure splittings in telecommunication-wavelength quantum dots grown on (111)A surfaces by droplet epitaxy. <i>Physical Review B</i> , 2014 , 90,	3.3	34
11	Two-photon interference and coherent control of single InAs quantum dot emissions in an Ag-embedded structure. <i>Journal of Applied Physics</i> , 2014 , 116, 043103	2.5	4
10	Symmetric quantum dots as efficient sources of highly entangled photons: Violation of Bell's inequality without spectral and temporal filtering. <i>Physical Review B</i> , 2013 , 88,	3.3	104
9	Metal-coated semiconductor nanostructures and simulation of photon extraction and coupling to optical fibers for a solid-state single-photon source. <i>Nanotechnology</i> , 2013 , 24, 455205	3.4	13
8	Enhanced Photon Extraction from a Quantum Dot Induced by a Silver Microcolumnar Photon Reflector. <i>Applied Physics Express</i> , 2013 , 6, 062801	2.4	14
7	Carrier-transfer dynamics between neutral and charged excitonic states in a single quantum dot probed with second-order photon correlation measurements. <i>Physical Review B</i> , 2013 , 88,	3.3	8
6	Bright single-photon source based on an InAs quantum dot in a silver-embedded nanocone structure. <i>Applied Physics Letters</i> , 2013 , 102, 131114	3.4	18
5	High-Q resonance modes observed in a metallic nanocavity. <i>Applied Physics Letters</i> , 2013 , 103, 191104	3.4	4
4	Anomalous dip observed in intensity autocorrelation function as an inherent nature of single-photon emitters. <i>Applied Physics Letters</i> , 2012 , 101, 161107	3.4	16
3	Strongly suppressed multi-photon generation from a single quantum dot in a metal-embedded structure. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011 , 8, 337-339		10
2	Quantum-Dot-Based Photon Emission and Media Conversion for Quantum Information Applications. <i>Advances in Mathematical Physics</i> , 2010 , 2010, 1-13	1.1	7
1	First-order photon interference of a single photon from a single quantum dot. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 42, 2536-2539	3	