

Kazuyuki Takai

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

456
citations

840776

11
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

602
citing authors

#	ARTICLE	IF	CITATIONS
1	The edge state of nanographene and the magnetism of the edge-state spins. Solid State Communications, 2009, 149, 1144-1150.	1.9	126
2	Nanographene and Nanodiamond; New Members in the Nanocarbon Family. Chemistry - an Asian Journal, 2009, 4, 796-804.	3.3	50
3	Interface Effect on the Electronic Structure of Alkanethiol-Coated Platinum Nanoparticles. Journal of Physical Chemistry B, 2003, 107, 10134-10140.	2.6	49
4	Honeycomb superperiodic pattern and its fine structure near the armchair edge of graphene observed by low-temperature scanning tunneling microscopy. Physical Review B, 2010, 81, .	3.2	41
5	Effect of Fluorination on Nano-Sized π -Electron Systems. Journal of the Physical Society of Japan, 2001, 70, 175-185.	1.6	39
6	Magnetic edge state and dangling bond state of nanographene in activated carbon fibers. Physical Review B, 2011, 84, .	3.2	35
7	Magnetic Potassium Clusters in a Nanographite Host System. Physical Review Letters, 2007, 98, 017203.	7.8	26
8	Fluorine-Introduced sp^3 -Carbon Sites in a Nano-Sized π -Electron System and their Effects on the Electronic Properties. Molecular Crystals and Liquid Crystals, 2000, 340, 289-294.	0.3	19
9	Electric field induced sp^3 -to- sp^2 conversion and nonlinear electron transport in iron-doped diamond-like carbon thin film. Journal of Applied Physics, 2010, 107, .	2.5	13
10	Magnetic Properties of Hydrogen-Terminated Surface Layer of Diamond Nanoparticles. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 565-572.	2.1	12
11	Magnetic Edge State of Nanographene and Unconventional Nanographene-Based Host-Guest Systems. Bulletin of the Chemical Society of Japan, 2012, 85, 249-264.	3.2	12
12	Electron transport properties of graphene with charged impurities and vacancy defects. Journal of Materials Research, 2013, 28, 1097-1104.	2.6	8
13	Crystal Structure and Physical Properties of π - π -Stacked System π -(BDH-TTP) ₂ FeBr ₄ . Journal of the Physical Society of Japan, 2013, 82, 054706.	1.6	8
14	Mechanical compression induced short-range ordering of nanographene spins. Physical Review B, 2010, 82, .	3.2	7
15	Magnetic and Transport Properties of π - π -Stacked System π -(BDH-TTP) ₂ FeCl ₄ . Journal of the Physical Society of Japan, 2013, 82, 124709.	1.6	4
16	Magnetic Torque Studies of π - π -Stacked System π -(BDH-TTP) ₂ FeX ₄ (X = Br, Cl). Journal of the Physical Society of Japan, 2014, 83, 023704.	1.6	4
17	Magnetic Properties and Interplay between Nanographene Host and Nitric Acid Guest in Nanographene-Based Nanoporous Carbon. Bulletin of the Chemical Society of Japan, 2012, 85, 376-388.	3.2	2
18	Host-Guest Systems in Microporous Carbons. Materials Research Society Symposia Proceedings, 1998, 548, 3.	0.1	1

#	ARTICLE	IF	CITATIONS
19	Anomalous spin relaxation in graphene nanostructures on the high temperature annealed surface of hydrogenated diamond nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 19209-19218.	2.8	0
20	Magnetic Structures of Edge-State Spins in Nanographene and a Network of Nanographene Sheets. , 2011, , 151-166.		0