Ken-ichi Sasaki

List of Publications by Year
in descending order

34	1,069	430874 18	395702 33
papers	citations	h-index	g-index

34	34	34	1177
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Band structures of edge magnetoplasmon crystals. Physical Review B, 2022, 105, .	3.2	2
2	Dynamical environmental effects lowering the plasmon energy and lifetime in doped carbon nanotubes. Carbon, 2020, 160, 1-4.	10.3	3
3	Universal layer number in graphite. Communications Physics, 2020, 3, .	5.3	7
4	Layered Dynamical Conductivity for a Transfer Matrix Method â€" Application to an (mathcal{N})-layer Graphene â€". Journal of the Physical Society of Japan, 2020, 89, 094706.	1.6	3
5	Phonon anomaly by massive Dirac fermions of graphene. Physical Review B, 2018, 97, .	3.2	1
6	Theory of a Carbon-Nanotube Polarization Switch. Physical Review Applied, 2018, 9, .	3.8	12
7	Theory of intraband plasmons in doped carbon nanotubes: Rolled surface-plasmons of graphene. Applied Physics Letters, 2016, 108, .	3.3	18
8	Determination of intrinsic lifetime of edge magnetoplasmons. Physical Review B, 2016, 93, .	3.2	8
9	Plasmon transport and its guiding in graphene. New Journal of Physics, 2014, 16, 063055.	2.9	10
10	Effects of screening on the propagation of graphene surface plasmons. Physical Review B, 2014, 90, .	3.2	9
11	Valley-antisymmetric potential in graphene under dynamical deformation. Physical Review B, 2014, 90, .	3.2	5
12	The Origin of Raman D Band: Bonding and Antibonding Orbitals in Graphene. Crystals, 2013, 3, 120-140.	2.2	47
13	Topological Raman Band in the Carbon Nanohorn. Physical Review Letters, 2013, 111, 116801.	7.8	9
14	Decay and frequency shift of both intervalley and intravalley phonons in graphene: Dirac-cone migration. Physical Review B, 2012, 86, .	3.2	21
15	Pseudospin for Raman<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>D</mml:mi></mml:math>band in armchair graphene nanoribbons. Physical Review B, 2012, 85, .	3.2	9
16	Electron Wave Function in Armchair Graphene Nanoribbons. Journal of the Physical Society of Japan, 2011, 80, 044710.	1.6	26
17	Theory of optical transitions in graphene nanoribbons. Physical Review B, 2011, 84, .	3.2	74
18	Polarization dependence of Raman spectra in strained graphene. Physical Review B, 2010, 82, .	3.2	14

#	Article	IF	Citations
19	Identifying the Orientation of Edge of Graphene Using G Band Raman Spectra. Journal of the Physical Society of Japan, 2010, 79, 044603.	1.6	43
20	Kohn anomaly in Raman spectroscopy of single wall carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2005-2015.	2.7	30
21	Chiral gauge theory for the graphene edge. Physical Review B, 2010, 82, .	3.2	21
22	Soliton trap in strained graphene nanoribbons. New Journal of Physics, 2010, 12, 103015.	2.9	18
23	Berry's phase for standing waves near graphene edge. New Journal of Physics, 2010, 12, 083023.	2.9	20
24	Kohn anomalies in graphene nanoribbons. Physical Review B, 2009, 80, .	3.2	44
25	Electrochemical Charging of Individual Single-Walled Carbon Nanotubes. ACS Nano, 2009, 3, 2320-2328.	14.6	51
26	Chirality-dependent frequency shift of radial breathing mode in metallic carbon nanotubes. Physical Review B, 2008, 78, .	3.2	35
27	Pseudospin and Deformation-Induced Gauge Field in Graphene. Progress of Theoretical Physics Supplement, 2008, 176, 253-278.	0.1	104
28	Magnetism as a Mass Term of the Edge States in Graphene. Journal of the Physical Society of Japan, 2008, 77, 054703.	1.6	18
29	Curvature-induced optical phonon frequency shift in metallic carbon nanotubes. Physical Review B, 2008, 77, .	3.2	54
30	Aharanov-Bohm effect for the edge states of zigzag carbon nanotubes. Physical Review B, 2008, 77, .	3.2	6
31	Theory of Superconductivity of Carbon Nanotubes and Graphene. Journal of the Physical Society of Japan, 2007, 76, 033702.	1.6	52
32	Gauge Field for Edge State in Graphene. Journal of the Physical Society of Japan, 2006, 75, 074713.	1.6	118
33	Stabilization mechanism of edge states in graphene. Applied Physics Letters, 2006, 88, 113110.	3.3	148
34	Controlling edge states of zigzag carbon nanotubes by the Aharonov-Bohm flux. Physical Review B, 2005, 71, .	3.2	29