Ken-ichi Sasaki

List of Publications by Year
in descending order

34 papers	1,069 citations	430874 18 h-index	395702 33 g-index
34 all docs	34 docs citations	34 times ranked	1177 citing authors

#	Article	IF	Citations
1	Stabilization mechanism of edge states in graphene. Applied Physics Letters, 2006, 88, 113110.	3.3	148
2	Gauge Field for Edge State in Graphene. Journal of the Physical Society of Japan, 2006, 75, 074713.	1.6	118
3	Pseudospin and Deformation-Induced Gauge Field in Graphene. Progress of Theoretical Physics Supplement, 2008, 176, 253-278.	0.1	104
4	Theory of optical transitions in graphene nanoribbons. Physical Review B, 2011, 84, .	3.2	74
5	Curvature-induced optical phonon frequency shift in metallic carbon nanotubes. Physical Review B, 2008, 77, .	3.2	54
6	Theory of Superconductivity of Carbon Nanotubes and Graphene. Journal of the Physical Society of Japan, 2007, 76, 033702.	1.6	52
7	Electrochemical Charging of Individual Single-Walled Carbon Nanotubes. ACS Nano, 2009, 3, 2320-2328.	14.6	51
8	The Origin of Raman D Band: Bonding and Antibonding Orbitals in Graphene. Crystals, 2013, 3, 120-140.	2.2	47
9	Kohn anomalies in graphene nanoribbons. Physical Review B, 2009, 80, .	3.2	44
10	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
11	Chirality-dependent frequency shift of radial breathing mode in metallic carbon nanotubes. Physical Review B, 2008, 78, .	3.2	35
12	Kohn anomaly in Raman spectroscopy of single wall carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2005-2015.	2.7	30
13	Controlling edge states of zigzag carbon nanotubes by the Aharonov-Bohm flux. Physical Review B, 2005, 71, .	3.2	29
14	Electron Wave Function in Armchair Graphene Nanoribbons. Journal of the Physical Society of Japan, 2011, 80, 044710.	1.6	26
15	Chiral gauge theory for the graphene edge. Physical Review B, 2010, 82, .	3.2	21
16	Decay and frequency shift of both intervalley and intravalley phonons in graphene: Dirac-cone migration. Physical Review B, 2012, 86, .	3.2	21
17	Berry's phase for standing waves near graphene edge. New Journal of Physics, 2010, 12, 083023.	2.9	20
18	Magnetism as a Mass Term of the Edge States in Graphene. Journal of the Physical Society of Japan, 2008, 77, 054703.	1.6	18

#	ARTICLE	IF	CITATIONS
19	Soliton trap in strained graphene nanoribbons. New Journal of Physics, 2010, 12, 103015.	2.9	18
20	Theory of intraband plasmons in doped carbon nanotubes: Rolled surface-plasmons of graphene. Applied Physics Letters, 2016, 108, .	3.3	18
21	Polarization dependence of Raman spectra in strained graphene. Physical Review B, 2010, 82, .	3.2	14
22	Theory of a Carbon-Nanotube Polarization Switch. Physical Review Applied, 2018, 9, .	3.8	12
23	Plasmon transport and its guiding in graphene. New Journal of Physics, 2014, 16, 063055.	2.9	10
24	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
25	Topological Raman Band in the Carbon Nanohorn. Physical Review Letters, 2013, 111, 116801.	7.8	9
26	Effects of screening on the propagation of graphene surface plasmons. Physical Review B, 2014, 90, .	3.2	9
27	Determination of intrinsic lifetime of edge magnetoplasmons. Physical Review B, 2016, 93, .	3.2	8
28	Universal layer number in graphite. Communications Physics, 2020, 3, .	5.3	7
29	Aharanov-Bohm effect for the edge states of zigzag carbon nanotubes. Physical Review B, 2008, 77, .	3.2	6
30	Valley-antisymmetric potential in graphene under dynamical deformation. Physical Review B, 2014, 90, .	3.2	5
31	Dynamical environmental effects lowering the plasmon energy and lifetime in doped carbon nanotubes. Carbon, 2020, 160, 1-4.	10.3	3
32	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
33	Band structures of edge magnetoplasmon crystals. Physical Review B, 2022, 105, .	3.2	2
34	Phonon anomaly by massive Dirac fermions of graphene. Physical Review B, 2018, 97, .	3.2	1