

Hidefumi Hiura

List of Publications by Year in descending order

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51
papers

8,142
citations

236612

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docs citations

68
times ranked

7919
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple Rabi Splittings under Ultrastrong Vibrational Coupling. <i>Physical Review Letters</i> , 2016, 117, 153601.	2.9	168
2	Enhanced Raman Scattering from Vibro-Polariton Hybrid States. <i>Angewandte Chemie</i> , 2015, 127, 8082-8086.	1.6	17
3	Enhanced Raman Scattering from Vibro-Polariton Hybrid States. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7971-7975.	7.2	108
4	Structural and charge transport characteristics of graphene layers obtained from CVD thin film and bulk graphite materials. <i>Carbon</i> , 2013, 52, 49-55.	5.4	12
5	Role of atomic terraces and steps in the electron transport properties of epitaxial graphene grown on SiC. <i>AIP Advances</i> , 2012, 2, .	0.6	21
6	Concerted Chemical-Mechanical Reaction in Catalyzed Growth of Confined Graphene Layers into Hexagonal Disks. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9106-9113.	1.5	1
7	Controllable gallium melt-assisted interfacial graphene growth on silicon carbide. <i>Diamond and Related Materials</i> , 2012, 24, 34-38.	1.8	7
8	Observation of Tunneling Current in Semiconducting Graphene-p-n Junctions. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 014708.	0.7	8
9	Liquid phase growth of graphene on silicon carbide. <i>Carbon</i> , 2012, 50, 5076-5084.	5.4	18
10	Enhanced Logic Performance with Semiconducting Bilayer Graphene Channels. <i>ACS Nano</i> , 2011, 5, 500-506.	7.3	40
11	Gate-Voltage Modulation in Graphene. , 2011, , 179-187.		1
12	Determination of the Number of Graphene Layers: Discrete Distribution of the Secondary Electron Intensity Stemming from Individual Graphene Layers. <i>Applied Physics Express</i> , 2010, 3, 095101.	1.1	81
13	Self-redirection of tearing edges in graphene: Tight-binding molecular dynamics simulations. <i>Physical Review B</i> , 2009, 80, .	1.1	19
14	Charge-transfer doping by fullerenes on oxidized Si surfaces. <i>Journal of Applied Physics</i> , 2007, 102, 074504.	1.1	7
15	Resistance Evaluation and Growth of Carbon Nanotubes. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2006, 126, 720-724.	0.1	0
16	Carborane superclusters formed by ion-molecule reactions in an ion trap. <i>Journal of Molecular Structure</i> , 2005, 735-736, 367-374.	1.8	15
17	Size-selective formation of tungsten cluster-containing silicon cages by the reactions of $Wn^+(n=1-5)$ with SiH_4 . <i>Chemical Physics Letters</i> , 2004, 388, 463-467.	1.2	29
18	Tailoring graphite layers by scanning tunneling microscopy. <i>Applied Surface Science</i> , 2004, 222, 374-381.	3.1	104

#	ARTICLE	IF	CITATIONS
19	Electronic properties of transition-metal-atom doped Si cage clusters. <i>European Physical Journal D</i> , 2003, 24, 241-244.	0.6	25
20	Time-resolved absorption and time-resolved Raman spectroscopies of the photochemistry of carbazole and N-ethylcarbazole. <i>Journal of Molecular Structure</i> , 2003, 661-662, 481-489.	1.8	7
21	Topology and energetics of metal-encapsulating Si fullerene-like cage clusters. <i>Physical Review B</i> , 2002, 66, .	1.1	78
22	Formation of Metal-Encapsulating Si Cage Clusters. <i>Physical Review Letters</i> , 2001, 86, 1733-1736.	2.9	440
23	Generation of circular and hexagonal microholes in a graphite surface. <i>Journal of Materials Research</i> , 2001, 16, 1287-1292.	1.2	7
24	Mass-selective resonance ion ejection from the external quadrupole static attraction ion trap. <i>Review of Scientific Instruments</i> , 2001, 72, 2893-2899.	0.6	8
25	Growth of hydrogenated silicon cluster ions using an ion trap. <i>Chemical Physics Letters</i> , 2000, 328, 409-414.	1.2	14
26	Decoration of carbon nanotubes. <i>Advanced Materials</i> , 1996, 8, 155-157.	11.1	233
27	Electrical conductivity of individual carbon nanotubes. <i>Nature</i> , 1996, 382, 54-56.	13.7	2,391
28	Opening and purification of carbon nanotubes in high yields. <i>Advanced Materials</i> , 1995, 7, 275-276.	11.1	539
29	Graphene in 3-dimensions: Towards graphite origami. <i>Advanced Materials</i> , 1995, 7, 582-586.	11.1	138
30	Annealing effect on carbon nanotubes. An ESR study. <i>Chemical Physics Letters</i> , 1995, 233, 47-51.	1.2	124
31	Synthesis, Purification and Properties of Carbon Nanotubes. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 267, 267-276.	0.3	10
32	Origins of Fullerenes in Rocks. <i>Science</i> , 1995, 268, 1634-1635.	6.0	31
33	Direct Observation of C ₆₀ Exciton. <i>Europhysics Letters</i> , 1994, 25, 503-508.	0.7	33
34	Electron spin resonance of carbon nanotubes. <i>Chemical Physics Letters</i> , 1994, 225, 161-164.	1.2	78
35	Structures of transient species in the photochromic reaction of 1,3,3-trimethylspiro[2H-1-benzopyran-2,2'-indoline]: Time-resolved resonance Raman study of isotopically substituted analogues. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1994, 50, 1487-1498.		3
36	Role of sp ³ defect structures in graphite and carbon nanotubes. <i>Nature</i> , 1994, 367, 148-151.	13.7	252

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37	Purification of nanotubes. <i>Nature</i> , 1994, 367, 519-519.	13.7	464
38	Capillarity and Wetting of Carbon Nanotubes. <i>Science</i> , 1994, 265, 1850-1852.	6.0	835
39	Patterns in the bulk growth of carbon nanotubes. <i>Chemical Physics Letters</i> , 1993, 209, 83-90.	1.2	153
40	Raman studies of carbon nanotubes. <i>Chemical Physics Letters</i> , 1993, 202, 509-512.	1.2	402
41	Structures and dynamics of the lowest excited triplet state, radical cation and radical anion of 1,4-diphenylbutadiyne: time-resolved resonance Raman study. <i>Journal of Molecular Structure</i> , 1993, 301, 47-56.	1.8	11
42	Opening carbon nanotubes with oxygen and implications for filling. <i>Nature</i> , 1993, 362, 522-525.	13.7	994
43	Time-resolved resonance Raman studies of the structures of the lowest triplet state and the radical anion of benzil. <i>The Journal of Physical Chemistry</i> , 1992, 96, 9120-9127.	2.9	10
44	Time-resolved resonance Raman spectroscopy of diphenylacetylene: structures and dynamics of the lowest excited triplet state, radical cation, and radical anion. <i>The Journal of Physical Chemistry</i> , 1992, 96, 8909-8915.	2.9	36
45	Structures and Properties of C ₆₀ & C ₇₀ Thin Films Fabricated by Organic MBE. <i>Materials Research Society Symposia Proceedings</i> , 1992, 247, 321.	0.1	4
46	Dopant isotope effect on superconductivity in Rb3C60. <i>Physica C: Superconductivity and Its Applications</i> , 1992, 203, 163-166.	0.6	35
47	Time-resolved resonance Raman and molecular orbital studies of the structures of the transient species involved in the photochromic reaction of 2,2'-spirobi[2H-1-benzopyran]. <i>Journal of Molecular Structure</i> , 1991, 242, 1-14.	1.8	25
48	Time-resolved resonance Raman spectra of chlorophyll a in the lowest excited triplet state: Effect of the state of coordination. <i>Chemical Physics Letters</i> , 1990, 169, 85-88.	1.2	11
49	Resonance raman and absorption studies of the configurations of photochromic 3-alkyl-substituted 1,5-diphenylformazans: steric effect of the substituent. <i>Journal of Molecular Structure</i> , 1989, 212, 221-233.	1.8	5
50	Study of the configurations of 3-aryl-substituted 1,5-diphenylformazans by resonance Raman and absorption spectroscopy: steric and conjugation effects of the substituent. <i>Journal of Molecular Structure</i> , 1989, 212, 235-245.	1.8	4
51	Configuration-sensitive infrared bands and vibrational assignments of S-alkyldithizonones based on isotopic substitutions. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1988, 44, 1409-1415.	0.1	7