Hiroki Ago

List of Publications by Year
in descending order

159 papers	10,211 citations	41344 49 h-index	34986 98 g-index
161 all docs	161 docs citations	161 times ranked	12414 citing authors

#	Article	IF	Citations
1	Work Functions and Surface Functional Groups of Multiwall Carbon Nanotubes. Journal of Physical Chemistry B, 1999, 103, 8116-8121.	2.6	910
2	Coherent transport of electron spin in a ferromagnetically contacted carbon nanotube. Nature, 1999, 401, 572-574.	27.8	743
3	Measuring the Thermal Conductivity of a Single Carbon Nanotube. Physical Review Letters, 2005, 95, 065502.	7.8	734
4	Composites of Carbon Nanotubes and Conjugated Polymers for Photovoltaic Devices. Advanced Materials, 1999, 11, 1281-1285.	21.0	674
5	Polymer Composites of Carbon Nanotubes Aligned by a Magnetic Field. Advanced Materials, 2002, 14, 1380-1383.	21.0	436
6	Epitaxial Chemical Vapor Deposition Growth of Single-Layer Graphene over Cobalt Film Crystallized on Sapphire. ACS Nano, 2010, 4, 7407-7414.	14.6	279
7	Synthesis, structure and applications of graphene-based 2D heterostructures. Chemical Society Reviews, 2017, 46, 4572-4613.	38.1	275
8	Epitaxial growth of large-area single-layer graphene over Cu(1 1 1)/sapphire by atmospheric pressure CVD. Carbon, 2012, 50, 57-65.	10.3	252
9	Domain Structure and Boundary in Single-Layer Graphene Grown on Cu(111) and Cu(100) Films. Journal of Physical Chemistry Letters, 2012, 3, 219-226.	4.6	209
10	Strain engineering the properties of graphene and other two-dimensional crystals. Physical Chemistry Chemical Physics, 2014, 16, 11124-11138.	2.8	199
11	Crystal Plane Dependent Growth of Aligned Single-Walled Carbon Nanotubes on Sapphire. Journal of the American Chemical Society, 2008, 130, 9918-9924.	13.7	164
12	Enhanced Chemical Reactivity of Graphene Induced by Mechanical Strain. ACS Nano, 2013, 7, 10335-10343.	14.6	157
13	Aligned growth of isolated single-walled carbon nanotubes programmed by atomic arrangement of substrate surface. Chemical Physics Letters, 2005, 408, 433-438.	2.6	155
14	Catalytic Growth of Graphene: Toward Large-Area Single-Crystalline Graphene. Journal of Physical Chemistry Letters, 2012, 3, 2228-2236.	4.6	136
15	Gas analysis of the CVD process for high yield growth of carbon nanotubes over metal-supported catalysts. Carbon, 2006, 44, 2912-2918.	10.3	134
16	Electronic interaction between photoexcited poly(p-phenylene vinylene) and carbon nanotubes. Physical Review B, 2000, 61, 2286-2290.	3.2	129
17	Thermal and electrical conductivity of a suspended platinum nanofilm. Applied Physics Letters, 2005, 86, 171912.	3.3	126
18	CVD Growth of Single-Walled Carbon Nanotubes with Narrow Diameter Distribution over Fe/MgO Catalyst and Their Fluorescence Spectroscopy. Journal of Physical Chemistry B, 2005, 109, 10035-10041.	2.6	125

#	Article	IF	Citations
19	Controlled van der Waals Epitaxy of Monolayer MoS₂ Triangular Domains on Graphene. ACS Applied Materials & Interfaces, 2015, 7, 5265-5273.	8.0	120
20	Dispersion of metal nanoparticles for aligned carbon nanotube arrays. Applied Physics Letters, 2000, 77, 79-81.	3.3	118
21	Roles of Metalâ^'Support Interaction in Growth of Single- and Double-Walled Carbon Nanotubes Studied with Diameter-Controlled Iron Particles Supported on MgO. Journal of Physical Chemistry B, 2004, 108, 18908-18915.	2.6	117
22	High Mobility WS₂ Transistors Realized by Multilayer Graphene Electrodes and Application to High Responsivity Flexible Photodetectors. Advanced Functional Materials, 2017, 27, 1703448.	14.9	113
23	Chemically Tuned pâ€•and nâ€Type WSe₂ Monolayers with High Carrier Mobility for Advanced Electronics. Advanced Materials, 2019, 31, e1903613.	21.0	111
24	Large-scale synthesis of NbS2 nanosheets with controlled orientation on graphene by ambient pressure CVD. Nanoscale, 2013, 5, 5773.	5.6	103
25	Highly Uniform Bilayer Graphene on Epitaxial Cuâ€“Ni(111) Alloy. Chemistry of Materials, 2016, 28, 4583-4592.	6.7	103
26	Gas-Phase Synthesis of Single-wall Carbon Nanotubes from Colloidal Solution of Metal Nanoparticles. Journal of Physical Chemistry B, 2001, 105, 10453-10456.	2.6	91
27	Size Control of Metal Nanoparticle Catalysts for the Gas-Phase Synthesis of Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2005, 109, 10647-10652.	2.6	88
28	Influence of Cu metal on the domain structure and carrier mobility in single-layer graphene. Carbon, 2012, 50, 2189-2196.	10.3	86
29	Ink-jet printing of nanoparticle catalyst for site-selective carbon nanotube growth. Applied Physics Letters, 2003, 82, 811-813.	3.3	84
30	Growth of double-wall carbon nanotubes with diameter-controlled iron oxide nanoparticles supported on MgO. Chemical Physics Letters, 2004, 391, 308-313.	2.6	84
31	Epitaxial Growth and Electronic Properties of Large Hexagonal Graphene Domains on Cu(111) Thin Film. Applied Physics Express, 2013, 6, 075101.	2.4	83
32	Synthesis of large area, homogeneous, single layer graphene films by annealing amorphous carbon on Co and Ni. Nano Research, 2011, 4, 531-540.	10.4	78
33	Controlled Growth of Large-Area Uniform Multilayer Hexagonal Boron Nitride as an Effective 2D Substrate. ACS Nano, 2018, 12, 6236-6244.	14.6	77
34	High-speed and on-chip graphene blackbody emitters for optical communications by remote heat transfer. Nature Communications, 2018, 9, 1279.	12.8	76
35	Effect of Domain Boundaries on the Raman Spectra of Mechanically Strained Graphene. ACS Nano, 2012, 6, 10229-10238.	14.6	73
36	Visualization of Grain Structure and Boundaries of Polycrystalline Graphene and Two-Dimensional Materials by Epitaxial Growth of Transition Metal Dichalcogenides. ACS Nano, 2016, 10, 3233-3240.	14.6	70

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37	The synthesis of In, In2O3 nanowires and In2O3 nanoparticles with shape-controlled. Journal of Crystal Growth, 2004, 264, 363-368.	1.5	66
38	Synthesis of crystalline boron nanowires by laser ablation. Chemical Communications, 2002, , 2806-2807.	4.1	65
39	Growth Dynamics of Single-Layer Graphene on Epitaxial Cu Surfaces. Chemistry of Materials, 2015, 27, 5377-5385.	6.7	65
40	Surface-Mediated Aligned Growth of Monolayer MoS₂ and In-Plane Heterostructures with Graphene on Sapphire. ACS Nano, 2018, 12, 10032-10044.	14.6	64
41	Supramolecular Catalysts for the Gas-phase Synthesis of Single-walled Carbon Nanotubes. Journal of Physical Chemistry B, 2006, 110, 5849-5853.	2.6	63
42	Dynamically generated pure spin current in single-layer graphene. Physical Review B, 2013, 87, .	3.2	62
43	Graphene-channel FETs for photonic frequency double-mixing conversion over the sub-THz band. Solid-State Electronics, 2015, 103, 216-221.	1.4	62
44	Synthesis of horizontally-aligned single-walled carbon nanotubes with controllable density on sapphire surface and polarized Raman spectroscopy. Chemical Physics Letters, 2006, 421, 399-403.	2.6	61
45	Hydrogen-Assisted Epitaxial Growth of Monolayer Tungsten Disulfide and Seamless Grain Stitching. Chemistry of Materials, 2018, 30, 403-411.	6.7	60
46	Competition and cooperation between lattice-oriented growth and step-templated growth of aligned carbon nanotubes on sapphire. Applied Physics Letters, 2007, 90, 123112.	3.3	57
47	Polymeric Organosilicon Systems. 22. Synthesis and Photochemical Properties of Poly[(disilanylene)oligophenylylenes] and Poly[(silylene)biphenylylenes]. Organometallics, 1994, 13, 5002-5012.	2.3	54
48	Chemistry of Water-Assisted Carbon Nanotube Growth over Feâ^'Mo/MgO Catalyst. Journal of Physical Chemistry C, 2007, 111, 11577-11582.	3.1	54
49	Interlayer interaction of two graphene sheets as a model of double-layer carbon nanotubes. Carbon, 1997, 35, 121-125.	10.3	52
50	Structure and transport properties of the interface between CVD-grown graphene domains. Nanoscale, 2014, 6, 7288.	5.6	52
51	Workfunction of purified and oxidised carbon nanotubes. Synthetic Metals, 1999, 103, 2494-2495.	3.9	51
52	Highly Conductive and Transparent Largeâ€Area Bilayer Graphene Realized by MoCl₅ Intercalation. Advanced Materials, 2017, 29, 1702141.	21.0	50
53	Gate-Tunable Dirac Point of Molecular Doped Graphene. ACS Nano, 2016, 10, 2930-2939.	14.6	49
54	Mechanical Strain of Chemically Functionalized Chemical Vapor Deposition Grown Graphene. Journal of Physical Chemistry C, 2013, 117, 3152-3159.	3.1	46

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55	Spatially Controlled Nucleation of Single-Crystal Graphene on Cu Assisted by Stacked Ni. ACS Nano, 2016, 10, 11196-11204.	14.6	43
56	Self-Assembly of Polar Phthalocyanine Molecules on Graphene Grown by Chemical Vapor Deposition. Journal of Physical Chemistry C, 2013, 117, 21849-21855.	3.1	42
57	Epitaxial chemical vapour deposition growth of monolayer hexagonal boron nitride on a Cu(111)/sapphire substrate. Physical Chemistry Chemical Physics, 2017, 19, 8230-8235.	2.8	40
58	Vapor Phase Selective Growth of Two-Dimensional Perovskite/WS₂ Heterostructures for Optoelectronic Applications. ACS Applied Materials & Interfaces, 2019, 11, 40503-40511.	8.0	39
59	AgPd@Pd/TiO₂ nanocatalyst synthesis by microwave heating in aqueous solution for efficient hydrogen production from formic acid. Journal of Materials Chemistry A, 2015, 3, 10666-10670.	10.3	36
60	Patterned Growth of Graphene over Epitaxial Catalyst. Small, 2010, 6, 1226-1233.	10.0	35
61	Temperature dependent thermal conductivity of a suspended submicron graphene ribbon. Journal of Applied Physics, 2015, 117, .	2.5	35
62	Electronic Structures of Organosilicon Polymers Containing Thienylene Units. Organometallics, 1994, 13, 3496-3501.	2.3	34
63	Ultrahigh-Vacuum-Assisted Control of Metal Nanoparticles for Horizontally Aligned Single-Walled Carbon Nanotubes with Extraordinary Uniform Diameters. Journal of Physical Chemistry C, 2011, 115, 13247-13253.	3.1	33
64	Dense Arrays of Highly Aligned Graphene Nanoribbons Produced by Substrateâ€Controlled Metalâ€Assisted Etching of Graphene. Advanced Materials, 2013, 25, 6562-6568.	21.0	33
65	Bond alternation in carbon nanotubes including ?-electrons. International Journal of Quantum Chemistry, 1997, 63, 637-644.	2.0	32
66	Microreactor utilizing a vertically-aligned carbon nanotube array grown inside the channels. Chemical Communications, 2007, , 1626.	4.1	32
67	Behavior and role of superficial oxygen in Cu for the growth of large single-crystalline graphene. Applied Surface Science, 2017, 408, 142-149.	6.1	32
68	Theoretical Study of Lithium-Doped Polycyclic Aromatic Hydrocarbons. Bulletin of the Chemical Society of Japan, 1997, 70, 1717-1726.	3.2	30
69	Visualization of Horizontally-Aligned Single-Walled Carbon Nanotube Growth with13C/12C Isotopes. Journal of Physical Chemistry C, 2008, 112, 1735-1738.	3.1	30
70	Increased chemical reactivity achieved by asymmetrical â€˜Janusâ€™ functionalisation of graphene. RSC Advances, 2014, 4, 52215-52219.	3.6	28
71	Isothermal Growth and Stacking Evolution in Highly Uniform Bernal-Stacked Bilayer Graphene. ACS Nano, 2020, 14, 6834-6844.	14.6	28
72	Structural analysis of polyacenic semiconductor (PAS) materials with 129 Xenon NMR measurements. Carbon, 1997, 35, 1781-1787.	10.3	27

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73	Catalytic growth of carbon nanotubes and their patterning based on ink-jet and lithographic techniques. Journal of Electroanalytical Chemistry, 2003, 559, 25-30.	3.8	27
74	Lattice-Oriented Catalytic Growth of Graphene Nanoribbons on Heteroepitaxial Nickel Films. ACS Nano, 2013, 7, 10825-10833.	14.6	27
75	Near-Infrared Photoluminescence in the Femtosecond Time Region in Monolayer Graphene on SiO₂. ACS Nano, 2013, 7, 2335-2343.	14.6	27
76	Electronic properties of polymers based on thienothiadiazole and thiophene. Journal of Chemical Physics, 1996, 104, 5528-5538.	3.0	26
77	Thermal and Electrical Properties of a Suspended Nanoscale Thin Film. International Journal of Thermophysics, 2007, 28, 33-43.	2.1	26
78	Unidirectional Growth of Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2008, 130, 17264-17265.	13.7	26
79	Controlled generation of atomic vacancies in chemical vapor deposited graphene by microwave oxygen plasma. Carbon, 2014, 79, 664-669.	10.3	26
80	In-situ measurement of the heat transport in defect- engineered free-standing single-layer graphene. Scientific Reports, 2016, 6, 21823.	3.3	26
81	Growth Mechanism of Carbon Nanotubes over Gold-Supported Catalysts. Japanese Journal of Applied Physics, 2008, 47, 1944.	1.5	25
82	Vertical heterostructures of MoS₂ and graphene nanoribbons grown by two-step chemical vapor deposition for high-gain photodetectors. Physical Chemistry Chemical Physics, 2015, 17, 25210-25215.	2.8	25
83	Combinatorial catalyst approach for high-density growth of horizontally aligned single-walled carbon nanotubes on sapphire. Carbon, 2011, 49, 176-186.	10.3	23
84	Observation of spin-charge conversion in chemical-vapor-deposition-grown single-layer graphene. Applied Physics Letters, 2014, 105, .	3.3	23
85	Design of novel donor-acceptor polymers with low bandgaps. Synthetic Metals, 1996, 79, 115-120.	3.9	22
86	Ab Initio Study on Interaction and Stability of Lithiumâ€Doped Amorphous Carbons. Journal of the Electrochemical Society, 1999, 146, 1262-1269.	2.9	22
87	Study of the growth of boron nanowires synthesized by laser ablation. Chemical Physics Letters, 2004, 385, 177-183.	2.6	22
88	Experimental study on thermal characteristics of suspended platinum nanofilm sensors. International Journal of Heat and Mass Transfer, 2006, 49, 3879-3883.	4.8	22
89	Top-down approach to align single-walled carbon nanotubes on silicon substrate. Applied Physics Letters, 2009, 94, .	3.3	22
90	Design of ferromagnetic polymers involving organosilicon moieties. Synthetic Metals, 1995, 72, 225-229.	3.9	21

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91	Spin electronics using carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 848-851.	2.7	21
92	Step-templated CVD growth of aligned graphene nanoribbons supported by a single-layer graphene film. Nanoscale, 2012, 4, 5178.	5.6	21
93	Enhancement of catalytic activity of AgPd@Pd/TiO₂ nanoparticles under UV and visible photoirradiation. Journal of Materials Chemistry A, 2016, 4, 14649-14656.	10.3	21
94	Carbon nanotube synthesis using colloidal solution of metal nanoparticles. Physica B: Condensed Matter, 2002, 323, 306-307.	2.7	20
95	Formation mechanism of carbon nanotubes in the gas-phase synthesis from colloidal solutions of nanoparticles. Current Applied Physics, 2005, 5, 128-132.	2.4	19
96	Tunable doping of graphene nanoribbon arrays by chemical functionalization. Nanoscale, 2015, 7, 3572-3580.	5.6	19
97	A novel graphene barrier against moisture by multiple stacking large-grain graphene. Scientific Reports, 2019, 9, 3777.	3.3	19
98	Stacking Orientation-Dependent Photoluminescence Pathways in Artificially Stacked Bilayer WS₂ Nanosheets Grown by Chemical Vapor Deposition: Implications for Spintronics and Valleytronics. ACS Applied Nano Materials, 2021, 4, 3717-3724.	5.0	19
99	Horizontally Aligned Growth of Single-Walled Carbon Nanotubes on a Surface-Modified Silicon Wafer. Journal of Physical Chemistry C, 2009, 113, 8030-8034.	3.1	17
100	Growth of horizontally aligned single-walled carbon nanotubes on anisotropically etched silicon substrate. Nanoscale, 2010, 2, 1708.	5.6	17
101	Orthogonal Growth of Horizontally Aligned Single-Walled Carbon Nanotube Arrays. Journal of Physical Chemistry C, 2010, 114, 12925-12930.	3.1	16
102	On the nucleation of graphene by chemical vapor deposition. New Journal of Chemistry, 2012, 36, 73-77.	2.8	16
103	Synthesis of sub-millimeter single-crystal grains of aligned hexagonal boron nitride on an epitaxial Ni film. Nanoscale, 2019, 11, 14668-14675.	5.6	16
104	7Li NMR study of Li-doped polyacenic semiconductor (PAS) materials. Synthetic Metals, 1997, 89, 141-147.	3.9	15
105	STM study of molecular adsorption on single-wall carbon nanotube surface. Chemical Physics Letters, 2004, 383, 469-474.	2.6	15
106	STEM observation of tungsten tips sharpened by field-assisted oxygen etching. Surface Science, 2010, 604, 1094-1099.	1.9	15
107	Effects of Water Vapor on Diameter Distribution of SWNTs Grown over Fe/MgO-Based Catalysts. Journal of Physical Chemistry C, 2010, 114, 3850-3856.	3.1	15
108	Synthesis of high-density arrays of graphene nanoribbons by anisotropic metal-assisted etching. Carbon, 2014, 78, 339-346.	10.3	14

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109	Chemical Vapor Deposition Growth of Uniform Multilayer Hexagonal Boron Nitride Driven by Structural Transformation of a Metal Thin Film. ACS Applied Electronic Materials, 2020, 2, 3270-3278.	4.3	14
110	Magnetic Properties of 1,3,5-Tris[bis(p-methoxyphenyl)amino]benzene Cation Radicals. Bulletin of the Chemical Society of Japan, 1996, 69, 1417-1422.	3.2	13
111	ESR study of Li-doped polyacenic semiconductor (PAS) materials. Synthetic Metals, 1997, 89, 133-139.	3.9	13
112	CVD Growth of High-Quality Single-Layer Graphene. , 2015, , 3-20.		13
113	Scanning MoirÃ© Fringe Method: A Superior Approach to Perceive Defects, Interfaces, and Distortion in 2D Materials. ACS Nano, 2020, 14, 6034-6042.	14.6	13
114	Effects of substrate and transfer on CVD-grown graphene over sapphire-induced Cu films. Science China Chemistry, 2014, 57, 895-901.	8.2	12
115	Direct observation of electrically induced Pauli paramagnetism in single-layer graphene using ESR spectroscopy. Scientific Reports, 2016, 6, 34966.	3.3	12
116	Polymorphic Phases of Metal Chlorides in the Confined 2D Space of Bilayer Graphene. Advanced Materials, 2021, 33, e2105898.	21.0	12
117	Electronic Properties of p-Type Doped Copolymers Consisting of Oligothienylene and Disilanylene Units. Chemistry of Materials, 1997, 9, 1159-1165.	6.7	11
118	Direct Growth of Bent Carbon Nanotubes on Surface Engineered Sapphire. Journal of Physical Chemistry C, 2009, 113, 13121-13124.	3.1	11
119	A general method of fabricating free-standing, monolayer graphene electronic device and its property characterization. Sensors and Actuators A: Physical, 2016, 247, 24-29.	4.1	11
120	Acceleration of Photocarrier Relaxation in Graphene Achieved by Epitaxial Growth: Ultrafast Photoluminescence Decay of Monolayer Graphene on SiC. Journal of Physical Chemistry C, 2018, 122, 19273-19279.	3.1	10
121	Coupling and Decoupling of Bilayer Graphene Monitored by Electron Energy Loss Spectroscopy. Nano Letters, 2021, 21, 10386-10391.	9.1	10
122	Electronic structures of donor-acceptor polymers based on polythiophene, polyfuran and polypyrrole. Molecular Engineering, 1996, 6, 239-248.	0.2	9
123	Structure and properties of deeply Li-doped polyacenic semiconductor (PAS). Synthetic Metals, 1997, 86, 2411-2414.	3.9	9
124	Theoretical design of donor-acceptor polymers with low bandgaps. Computational and Theoretical Chemistry, 1998, 427, 211-219.	1.5	9
125	Formation of Oriented Graphene Nanoribbons over Heteroepitaxial Cu Surfaces by Chemical Vapor Deposition. Chemistry of Materials, 2014, 26, 5215-5222.	6.7	9
126	Grain Boundaries and Gas Barrier Property of Graphene Revealed by Dark-Field Optical Microscopy. Journal of Physical Chemistry C, 2018, 122, 902-910.	3.1	9

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127	Graphene-based deep-ultraviolet photodetectors with ultrahigh responsivity using chemical vapor deposition of hexagonal boron nitride to achieve photogating. Optical Materials Express, 2022, 12, 2090.	3.0	9
128	Non-linear optical response and relaxation dynamics in double-walled carbon nanotubes. Journal of Luminescence, 2006, 119-120, 8-12.	3.1	8
129	Mechanical immobilization of Hela cells on aligned carbon nanotube array. Materials Letters, 2006, 60, 3851-3854.	2.6	8
130	Moisture barrier properties of single-layer graphene deposited on Cu films for Cu metallization. Japanese Journal of Applied Physics, 2018, 57, 04FC08.	1.5	8
131	van der Waals interaction-induced photoluminescence weakening and multilayer growth in epitaxially aligned WS₂. Physical Chemistry Chemical Physics, 2018, 20, 29790-29797.	2.8	7
132	Horizontally-Aligned Single-Walled Carbon Nanotubes on Sapphire. Journal of Nanoscience and Nanotechnology, 2008, 8, 6165-6169.	0.9	6
133	Measurements of In-Plane Thermal Conductivity and Electrical Conductivity of Suspended Platinum Thin Film. Netsu Bussei, 2005, 19, 9-14.	0.1	6
134	An ESR analysis of C60S16. Chemical Physics Letters, 1995, 235, 217-220.	2.6	5
135	Third-order nonlinear optical response in double-walled carbon nanotubes. Journal of Luminescence, 2009, 129, 1722-1725.	3.1	5
136	Hole Doping to Aligned Single-Walled Carbon Nanotubes from Sapphire Substrate Induced by Heat Treatment. Journal of Physical Chemistry C, 2008, 112, 18350-18354.	3.1	4
137	Chemical Doping: Chemically Tuned pâ€•and nâ€Type WSe₂ Monolayers with High Carrier Mobility for Advanced Electronics (Adv. Mater. 42/2019). Advanced Materials, 2019, 31, 1970301.	21.0	4
138	High density current operation in nanographite fiber synthesized by chemical vapor deposition. Journal of Applied Physics, 2003, 94, 3516-3519.	2.5	3
139	Effective Patterning of Metal Nanoparticles on Sapphire Surface for Aligned Growth of Single-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2010, 10, 3867-3872.	0.9	3
140	Electronic States of Electrochemically Doped Single-Layer Graphene Probed through Fano Resonance Effects in Raman Scattering. Journal of Physical Chemistry C, 2020, 124, 26428-26433.	3.1	3
141	Electronic structures of some novel functional polymers. Macromolecular Symposia, 1997, 118, 513-518.	0.7	2
142	Ultra-fast synthesis of graphene by melt spinning. Carbon, 2013, 61, 299-304.	10.3	2
143	Two-Step Excitation Triggered by One-Photon Absorption on Linear Dispersion in Monolayer Graphene. Journal of Physical Chemistry C, 2016, 120, 11225-11229.	3.1	2
144	Synthesis of High-Quality 2D Materials for Electronic Applications. , 2020, , .		2

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145	Frontiers of Carbon Nanotubes and Beyond. , 1999, , 164-183.		2
146	Polymorphic Phases of Metal Chlorides in the Confined 2D Space of Bilayer Graphene (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	21.0	2
147	ESR study of alkali-doped polyacenic semiconductor (PAS) materials prepared by thermal decomposition of azides. Carbon, 1997, 35, 651-656.	10.3	1
148	Growth of Horizontally-Aligned Single-Walled Carbon Nanotubes on Sapphire Surface by Needle-Scratching Method. Japanese Journal of Applied Physics, 2012, 51, 04DN02.	1.5	1
149	Electronic property of polyacene in a constant magnetic field perpendicular to the condensed aromatic-ring plane. Synthetic Metals, 1996, 79, 145-148.	3.9	0
150	Colloidal Solution of Metal Nanoparticles as a Catalyst for Carbon Nanotube Growth. Materials Research Society Symposia Proceedings, 2000, 633, 13181.	0.1	0
151	Directional Control of Single-Walled Carbon Nanotubes on Surface-Engineered Sapphire. , 2007, , .		0
152	Horizontally-Aligned Single-Walled Carbon Nanotubes on Sapphire: Growth Mechanism and Characterization. , 2007, , .		0
153	Epitaxial Growth of Faceted Co Nanoparticles on Sapphire Surfaces. Chemistry Letters, 2010, 39, 964-965.	1.3	0
154	Growth of Horizontally-Aligned Single-Walled Carbon Nanotubes on Sapphire Surface by Needle-Scratching Method. Japanese Journal of Applied Physics, 2012, 51, 04DN02.	1.5	0
155	Dynamics of photoexcited carriers in monolayer epitaxial graphene probed by photoluminescence in the near-infrared region. , 2013, , .		0
156	Epitaxial CVD growth of high-quality graphene and recent development of 2D heterostructures. , 2015, , .		0
157	Observation of spontaneous terahertz emission from optically pumped monolayer intrinsic graphene. , 2016, , .		0
158	Catalytic Effects in the Large-scale Synthesis of Carbon Nanotubes. Hyomen Kagaku, 2004, 25, 345-351.	0.0	0
159	CVD Growth of High-quality Graphene and Visualization of the Growth Process. Vacuum and Surface Science, 2022, 65, 177-183.	0.1	0