Sususmu Okada

List of Publications by Year
in descending order

324 papers	8,028 citations	50273 46 h-index	66906 78 g-index
327 all docs	327 docs citations	327 times ranked	8048 citing authors

#	Article	IF	Citations
1	Geometric and Electronic Structures of Spiro-graphene Comprising Fused Pentagons and Octagons. Journal of the Physical Society of Japan, 2022, 91, .	1.6	1
2	A two-dimensional magnetic carbon allotrope of hexagonally arranged fused pentagons. Applied Physics Express, 2022, 15, 035001.	2.4	0
3	Magnonâ€Coupled Intralayer MoirÃ© Trion in Monolayer Semiconductorâ€“Antiferromagnet Heterostructures. Advanced Materials, 2022, 34, e2200301.	21.0	7
4	Formation of a Two-Dimensional Electronic System in Laterally Assembled WTe Nanowires. ACS Applied Nano Materials, 2022, 5, 6277-6284.	5.0	4
5	Science of 2.5 dimensional materials: paradigm shift of materials science toward future social innovation. Science and Technology of Advanced Materials, 2022, 23, 275-299.	6.1	32
6	All carbon p-n border in bilayer graphene by the molecular orientation of intercalated corannulene. Journal of Applied Physics, 2022, 131, .	2.5	2
7	Electronic properties of diamond nanowires under an external electric field. Diamond and Related Materials, 2022, 125, 109029.	3.9	4
8	Electrostatic properties of two-dimensional C₆₀ polymer thin films under an external electric field. Japanese Journal of Applied Physics, 2022, 61, 075004.	1.5	0
9	Wafer-Scale Growth of One-Dimensional Transition-Metal Telluride Nanowires. Nano Letters, 2021, 21, 243-249.	9.1	18
10	Carrier distribution control in bilayer graphene under a perpendicular electric field by interlayer stacking arrangements. Applied Physics Express, 2021, 14, 035001.	2.4	4
11	Carrier Redistribution in van der Waals Nanostructures Consisting of Bilayer Graphene and Buckybowl: Implications for Piezoelectric Devices. ACS Applied Nano Materials, 2021, 4, 3007-3012.	5.0	4
12	Photoluminescence from Single-Walled MoS₂ Nanotubes Coaxially Grown on Boron Nitride Nanotubes. ACS Nano, 2021, 15, 8418-8426.	14.6	35
13	Indirect-to-direct band gap crossover of single walled MoS₂ nanotubes. Japanese Journal of Applied Physics, 2021, 60, 065002.	1.5	6
14	Chemical stability of hydrogen boride nanosheets in water. Communications Materials, 2021, 2, .	6.9	15
15	Dynamics of a charged Ne atom near graphene edges under a positive static electric field. FlatChem, 2021, 28, 100265.	5.6	0
16	Electronic structure of a borophene layer in rare-earth aluminum/chromium boride and its hydrogenated derivative borophane. Physical Review Materials, 2021, 5, .	2.4	13
17	Geometric structure and piezoelectric polarization of MoS2 nanoribbons under uniaxial strain. FlatChem, 2021, 29, 100289.	5.6	1
18	Spiro-graphene: A two-dimensional metallic carbon allotrope of fused pentagons. Carbon, 2021, 185, 404-409.	10.3	7

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19	Modulation of intertube band dispersion relation of carbon nanotube bundles by symmetry and intertube wave function coupling. Japanese Journal of Applied Physics, 2021, 60, 025002.	1.5	1
20	Versatile Post-Doping toward Two-Dimensional Semiconductors. ACS Nano, 2021, 15, 19225-19232.	14.6	14
21	Edge morphology effect on field emission properties of graphene thin films. Carbon, 2020, 157, 33-39.	10.3	12
22	Asymptotic behavior of the energetics and electronic structures of graphene with pyridinic defects. Chemical Physics Letters, 2020, 739, 136966.	2.6	1
23	Energetics and electronic structures of single walled carbon nanotubes encapsulated in boron nitride nanotubes. Applied Physics Express, 2020, 13, 015004.	2.4	5
24	Asymmetric carrier penetration into hexagonal boron nitride in graphene field-effect transistors. Applied Physics Express, 2020, 13, 075005.	2.4	0
25	Carrier Distribution Control in van der Waals Heterostructures of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Mo</mml:mi><mml:mi mathvariant="normal">S</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>WS</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math>	3.8	9
26	Excitation Energy Transfer by Electron Exchange via Two-Step Electron Transfer between a Single-Walled Carbon Nanotube and Encapsulated Magnesium Porphyrin. Journal of Physical Chemistry C, 2020, 124, 19406-19412.	3.1	8
27	Microscopic Mechanism of Van der Waals Heteroepitaxy in the Formation of MoS2/hBN Vertical Heterostructures. ACS Omega, 2020, 5, 31692-31699.	3.5	5
28	Influence of interlayer stacking arrangements on carrier accumulation in bilayer graphene field effect transistors. Applied Physics Express, 2020, 13, 065006.	2.4	6
29	Momentum-selective optical absorption in triptycene molecular membrane. Physical Review B, 2020, 101, .	3.2	2
30	Pentadiamond: A Hard Carbon Allotrope of a Pentagonal Network of sp2 and sp3 C Atoms. Physical Review Letters, 2020, 125, 016001.	7.8	25
31	One-dimensional van der Waals heterostructures. Science, 2020, 367, 537-542.	12.6	238
32	Structural effects on carrier doping in carbon nanotube thin-film transistors. Journal of Applied Physics, 2020, 127, .	2.5	4
33	Influence of Interlayer Stacking on Gate-Induced Carrier Accumulation in Bilayer MoS₂. ACS Applied Electronic Materials, 2020, 2, 1352-1357.	4.3	12
34	Electronic structure of graphene under periodic uniaxial tensile strain. Japanese Journal of Applied Physics, 2020, 59, 075002.	1.5	0
35	Mechanical properties of carbon nanotube under uniaxial tensile strain. Japanese Journal of Applied Physics, 2020, 59, SIID02.	1.5	2
36	Growth and characterization of in-plane heterostructures based on two-dimensional materials. , 2019, , .		0

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37	Energetics and electronic structures of borders between MoS₂ and WS₂. Japanese Journal of Applied Physics, 2019, 58, 095002.	1.5	0
38	Energetics and electronic structure of graphene nanoribbons under uniaxial torsional strain. Japanese Journal of Applied Physics, 2019, 58, SDDD05.	1.5	0
39	Three-dimensional covalent networks of sp2 and sp3 C atoms: energetics and electronic properties of polymerized diphenylmethane and tetraphenylmethane. Japanese Journal of Applied Physics, 2019, 58, 085001.	1.5	5
40	Chemically Tuned pâ€•and nâ€Type WSe₂ Monolayers with High Carrier Mobility for Advanced Electronics. Advanced Materials, 2019, 31, e1903613.	21.0	111
41	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
42	Vapor Phase Selective Growth of Two-Dimensional Perovskite/WS₂ Heterostructures for Optoelectronic Applications. ACS Applied Materials & Interfaces, 2019, 11, 40503-40511.	8.0	39
43	Experimental Evidence of Anisotropic and Stable Charged Excitons (Trions) in Atomically Thin 2D ReS₂. Advanced Functional Materials, 2019, 29, 1905961.	14.9	18
44	Photoinduced hydrogen release from hydrogen boride sheets. Nature Communications, 2019, 10, 4880.	12.8	63
45	Electronic structure of thin films of hydrocarbon molecules under an external electric field. Japanese Journal of Applied Physics, 2019, 58, 075001.	1.5	0
46	Rhenium dinitride: Carrier transport in a novel transition metal dinitride layered crystal. APL Materials, 2019, 7, 101103.	5.1	7
47	Confinement Effect of Sub-nanometer Difference on Melting Point of Ice-Nanotubes Measured by Photoluminescence Spectroscopy. ACS Nano, 2019, 13, 1177-1182.	14.6	17
48	Formation of environmentally stable hole-doped graphene films with instantaneous and high-density carrier doping via a boron-based oxidant. Npj 2D Materials and Applications, 2019, 3, .	7.9	21
49	Asymmetric carrier accumulation in van der Waals heterostructures of MoS2/WS2 under an external electric field. Applied Physics Express, 2019, 12, 075008.	2.4	10
50	Continuous Heteroepitaxy of Two-Dimensional Heterostructures Based on Layered Chalcogenides. ACS Nano, 2019, 13, 7527-7535.	14.6	48
51	Energetics and electronic structures of MoS2 nanoribbons. Japanese Journal of Applied Physics, 2019, 58, 075002.	1.5	2
52	Physics of Carbon Nanotubes and New Type of Carbon Network Materials: Electronic and Magnetic Properties. , 2019, , 97-120.		0
53	Catalystâ€Selective Growth of Singleâ€Orientation Hexagonal Boron Nitride toward Highâ€Performance Atomically Thin Electric Barriers. Advanced Materials, 2019, 31, e1900880.	21.0	21
54	A novel graphene barrier against moisture by multiple stacking large-grain graphene. Scientific Reports, 2019, 9, 3777.	3.3	19

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55	Energetics and electronic structures of N-doped graphene nanoribbons with pyridinic and graphitic edges. Japanese Journal of Applied Physics, 2019, 58, 125001.	1.5	0
56	Direct and Indirect Exciton Dynamics in Fewâ€Layered ReS₂ Revealed by Photoluminescence and Pumpâ€Probe Spectroscopy. Advanced Functional Materials, 2019, 29, 1806169.	14.9	39
57	Site-dependence of relationships between photoluminescence and applied electric field in monolayer and bilayer molybdenum disulfide. Japanese Journal of Applied Physics, 2019, 58, 015001.	1.5	1
58	Field emission properties of edge-functionalized graphene. Carbon, 2019, 142, 190-195.	10.3	12
59	Energetics and electronic structures of polymeric all-benzene hollow-cages and planar networks. Japanese Journal of Applied Physics, 2019, 58, 015002.	1.5	0
60	Semimetallicity of free-standing hydrogenated monolayer boron from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MgB</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review Materials, 2019, 3, .	2.4	29
61	Flat bands and higher-order topology in polymerized triptycene: Tight-binding analysis on decorated star lattices. Physical Review Materials, 2019, 3, .	2.4	20
62	Electrostatic properties of graphene edges for electron emission under an external electric field. Applied Physics Letters, 2018, 112, .	3.3	4
63	Molecular Arrangements of Corannulene and Sumanene in Singleâ€Walled Carbon Nanotubes. ChemNanoMat, 2018, 4, 557-561.	2.8	8
64	Mechanical properties of graphene nanoribbons under uniaxial tensile strain. Japanese Journal of Applied Physics, 2018, 57, 035101.	1.5	3
65	Carrier Transport and Photoresponse in GeSe/MoS₂ Heterojunction pâ€“n Diodes. Small, 2018, 14, e1704559.	10.0	32
66	Electronic Structure of Two-Dimensional Hydrocarbon Networks of sp2 and sp3 C Atoms. Journal of the Physical Society of Japan, 2018, 87, 034704.	1.6	8
67	Different Molecular Arrangement of Perylene in Metallic and Semiconducting Carbon Nanotubes: Impact of van der Waals Interaction. Journal of Physical Chemistry C, 2018, 122, 5805-5812.	3.1	15
68	Bandâ€Gap Engineering of Graphene Heterostructures by Substitutional Doping with B 3 N 3. ChemPhysChem, 2018, 19, 237-242.	2.1	7
69	Hydrogen-Assisted Epitaxial Growth of Monolayer Tungsten Disulfide and Seamless Grain Stitching. Chemistry of Materials, 2018, 30, 403-411.	6.7	60
70	Geometric and electronic structures of a two-dimensional covalent network of sp2 and sp3 carbon atoms. Diamond and Related Materials, 2018, 81, 103-107.	3.9	5
71	Energetics and electronic structures of chemically decorated C₆₀ chains. Japanese Journal of Applied Physics, 2018, 57, 06HB02.	1.5	2
72	Energetics and electronic structures of corrugated graphene nanoribbons. Japanese Journal of Applied Physics, 2018, 57, 085101.	1.5	1

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73	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
74	Geometric and electronic structures of two-dimensionally polymerized triptycene: covalent honeycomb networks comprising triptycene and polyphenyl. Japanese Journal of Applied Physics, 2018, 57, 125203.	1.5	10
75	Energetics and Electronic Structure of Triangular Hexagonal Boron Nitride Nanoflakes. Scientific Reports, 2018, 8, 16657.	3.3	25
76	Surface-Mediated Aligned Growth of Monolayer MoS₂ and In-Plane Heterostructures with Graphene on Sapphire. ACS Nano, 2018, 12, 10032-10044.	14.6	64
77	Solvent-Mediated Shape Engineering of Fullerene (C₆₀) Polyhedral Microcrystals. Chemistry of Materials, 2018, 30, 7146-7153.	6.7	37
78	Energetics and formation mechanism of borders between hexagonal boron nitride and graphene. Applied Physics Express, 2018, 11, 065201.	2.4	3
79	Field-induced structural control of COx molecules adsorbed on graphene. Journal of Applied Physics, 2018, 123, 174302.	2.5	1
80	Energetics of edge oxidization of graphene nanoribbons. Japanese Journal of Applied Physics, 2018, 57, 06HB03.	1.5	0
81	Ultrafast Charge Transfer and Relaxation Dynamics in Polymer-Encapsulating Single-Walled Carbon Nanotubes: Polythiophene and Coronene Polymer. Journal of Physical Chemistry C, 2018, 122, 16940-16949.	3.1	12
82	Efficient Photocarrier Transfer and Effective Photoluminescence Enhancement in Type I Monolayer MoTe₂/WSe₂ Heterostructure. Advanced Functional Materials, 2018, 28, 1801021.	14.9	62
83	Electronic structure and cohesive energy of silylmethyl fullerene and methanoindene fullerene solids. Japanese Journal of Applied Physics, 2018, 57, 085102.	1.5	0
84	Energetics and electronic structures of perylene confined in carbon nanotubes. Royal Society Open Science, 2018, 5, 180359.	2.4	2
85	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
86	Fermi-level pinning of bilayer graphene with defects under an external electric field. Applied Physics Letters, 2017, 110, 011601.	3.3	6
87	Polarity control of h-BN nanoribbon edges by strain and edge termination. Physical Chemistry Chemical Physics, 2017, 19, 9113-9117.	2.8	10
88	Electrostatic potential barrier for electron emission at graphene edges induced by the nearly free electron states. Applied Physics Express, 2017, 10, 055104.	2.4	7
89	Electronic properties of electron-doped [6,6]-phenyl-C61-butyric acid methyl ester and silylmethylfullerene. Chemical Physics Letters, 2017, 678, 5-8.	2.6	1
90	Investigations of charge-changing processes for light proton-rich nuclei on carbon and solid-hydrogen targets. Nuclear Physics A, 2017, 961, 142-153.	1.5	8

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91	Suppression of conductivity deterioration of copper thin films by coating with atomic-layer materials. Applied Physics Letters, 2017, 110, .	3.3	22
92	Polarization modulation of nanotrenches in GaN (0001)/$(000ar{1})$ by surface hydrogenation. Japanese Journal of Applied Physics, 2017, 56, 111002.	1.5	1
93	Energetics and electronic structures of thin films and heterostructures of a hexagonal GaN sheet. Japanese Journal of Applied Physics, 2017, 56, 065201.	1.5	5
94	Formation and Characterization of Hydrogen Boride Sheets Derived from MgB₂ by Cation Exchange. Journal of the American Chemical Society, 2017, 139, 13761-13769.	13.7	157
95	Highly Conductive and Transparent Largeâ€Area Bilayer Graphene Realized by MoCl₅ Intercalation. Advanced Materials, 2017, 29, 1702141.	21.0	50
96	Electronic structure and electric polarity of edge-functionalized graphene nanoribbons. Japanese Journal of Applied Physics, 2017, 56, 085103.	1.5	5
97	Modulation of the Local Density of States of Carbon Nanotubes by Encapsulation of Europium Nanowires As Observed by Scanning Tunneling Microscopy and Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 18195-18201.	3.1	2
98	Magnetic properties of two-dimensional hydrocarbon networks of sp2 and sp3 C atoms. Physical Review B, 2017, 96, .	3.2	8
99	Energetics and electronic structure of nanoscale rotors consisting of triptycene and hydrocarbon molecules. Japanese Journal of Applied Physics, 2017, 56, 105201.	1.5	1
100	Carrier injection in nonbonding Ï€ states of N-doped graphene by an external electric field. Japanese Journal of Applied Physics, 2017, 56, 075101.	1.5	3
101	Outâ€ofâ€Plane Strain Induced in a MoirÃ© Superstructure of Monolayer MoS₂ and MoSe₂ on Au(111). Small, 2017, 13, 1700748.	10.0	26
102	Geometric structures of Al nanoparticles adsorbed on graphene under an external electric field. Japanese Journal of Applied Physics, 2017, 56, 125101.	1.5	1
103	Porous hydrocarbon networks of pyramidal molecules. Japanese Journal of Applied Physics, 2017, 56, 06GE03.	1.5	0
104	Effect of charged metal nanoparticles on carrier injection in graphene by an external electric field. Applied Physics Express, 2017, 10, 025101.	2.4	4
105	Energetics and Electronic Structures of Inclusion Compounds of Large Fullerenes and Cycloparaphenylenes. Journal of the Physical Society of Japan, 2017, 86, 104702.	1.6	0
106	Interplay between the Kagome flat band and the Dirac cone in porous graphitic networks. Carbon, 2017, 125, 530-535.	10.3	23
107	Asymmetric carrier accumulation in double-walled carbon nanotube by an external electric field. Applied Physics Express, 2017, 10, 075101.	2.4	2
108	Electronic structure of bilayer graphene with defects under an external electric field. Japanese Journal of Applied Physics, 2017, 56, 06GE01.	1.5	2

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109	Strain-induced charge transfer and polarity control of a heterosheet comprising C₆₀and graphene. Applied Physics Express, 2017, 10, 095101.	2.4	6
110	Electronic structure of carbon nanotube thin films with nanoscale interfaces under an electric field. Japanese Journal of Applied Physics, 2017, 56, 06GE02.	1.5	2
111	Geometric and electronic structures of one-dimensionally polymerized coronene molecules. Japanese Journal of Applied Physics, 2016, 55, 06GF02.	1.5	2
112	Effect of an intersection of carbon nanotubes on the carrier accumulation under an external electric field. Applied Physics Express, 2016, 9, 085103.	2.4	7
113	Electronic structure modulation of graphene edges by chemical functionalization. Applied Physics Express, 2016, 9, 115102.	2.4	16
114	Electron-state tuning of multilayer graphene by defects. Japanese Journal of Applied Physics, 2016, 55, 06GF06.	1.5	5
115	Ambipolar transistors based on random networks of WS₂ nanotubes. Applied Physics Express, 2016, 9, 075001.	2.4	16
116	Electronic transport properties of graphene channel with metal electrodes or insulating substrates in 10â€‰nm-scale devices. Journal of Applied Physics, 2016, 120, .	2.5	4
117	Anomalous electrostatic potential properties in carbon nanotube thin films under a weak external electric field. Applied Physics Express, 2016, 9, 045101.	2.4	4
118	Effect of structural deformation on carrier accumulation in semiconducting carbon nanotubes under an external electric field. Japanese Journal of Applied Physics, 2016, 55, 045101.	1.5	14
119	Coexistence of Dirac cones and Kagome flat bands in a porous graphene. Carbon, 2016, 109, 755-763.	10.3	46
120	Na-ion diffusion in a NASICON-type solid electrolyte: a density functional study. Physical Chemistry Chemical Physics, 2016, 18, 27226-27231.	2.8	36
121	Geometric and electronic structures of GaN sheet. , 2016, , .		0
122	Polar properties of a hexagonally bonded GaN sheet under biaxial compression. Applied Physics Express, 2016, 9, 095201.	2.4	15
123	Enhanced thermoelectric power in two-dimensional transition metal dichalcogenide monolayers. Physical Review B, 2016, 94, .	3.2	71
124	Energetics and Electronic Structure of h-BN Nanoflakes. Scientific Reports, 2016, 6, 30653.	3.3	32
125	Magnetic moment of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>13</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:msup></mml:mrow></mml:math>isomeric state in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Cu</mml:mi><mml:mprescripts /><mml:none /><mml:mn>69</mml:mn></mml:mmultiscripts></mml:math>: Spin alignment in the one-nucleon removal reaction. Physical Review C, 2016, 93, .	2.9	0
126	Theoretical Investigation on Electronic and Magnetic Structures of FeRh. Journal of the Magnetics Society of Japan, 2016, 40, 77-80.	0.9	4

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127	Energetics of H2O encapsulated in fullerenes under an electric field. Japanese Journal of Applied Physics, 2016, 55, 04EP02.	1.5	1
128	Energetics and electronic structure of tubular Si vacancies filled with carbon nanotubes. Japanese Journal of Applied Physics, 2016, 55, 055101.	1.5	1
129	Electronic properties of pentaorgano[60]fullerenes under an external electric field. Applied Physics Express, 2016, 9, 115103.	2.4	2
130	Highly Uniform Bilayer Graphene on Epitaxial Cuâ€“Ni(111) Alloy. Chemistry of Materials, 2016, 28, 4583-4592.	6.7	103
131	Electrostatic properties of fullerenes under an external electric field: First-principles calculations of energetics for all IPR isomers from C60 to C78. Chemical Physics Letters, 2016, 659, 1-5.	2.6	8
132	Gate-Tunable Dirac Point of Molecular Doped Graphene. ACS Nano, 2016, 10, 2930-2939.	14.6	49
133	Energetics and electronic structure of graphene nanoribbons under a lateral electric field. Carbon, 2016, 96, 351-361.	10.3	31
134	Geometric and electronic structures of corannulene polymers: Ultra narrow graphene ribbons with corrugation and topological defects. Chemical Physics Letters, 2016, 650, 76-81.	2.6	4
135	Influence of electric field on electronic states of graphene nanoribbons under a FET structure. Japanese Journal of Applied Physics, 2016, 55, 035101.	1.5	8
136	Magnetic Properties of Graphene Quantum Dots Embedded in h-BN Sheet. Journal of Physical Chemistry C, 2016, 120, 1293-1302.	3.1	33
137	Influence of defects on the electronic structures of bilayer graphene. Surface Science, 2016, 644, 18-23.	1.9	7
138	Radical spin interaction in one-dimensional chains of decamethyl C60. Chemical Physics Letters, 2015, 634, 129-133.	2.6	0
139	Electrically induced ambipolar spin vanishments in carbon nanotubes. Scientific Reports, 2015, 5, 11859.	3.3	10
140	Observation of Landau levels on nitrogen-doped flat graphite surfaces without external magnetic fields. Scientific Reports, 2015, 5, 16412.	3.3	44
141	Electronic Transport Properties of Graphene Channel between Au Electrodes. E-Journal of Surface Science and Nanotechnology, 2015, 13, 54-58.	0.4	3
142	Threshold voltage variation for charge accumulation in carbon nanotube owing to monatomic defect arrangement. Japanese Journal of Applied Physics, 2015, 54, 06FF04.	1.5	0
143	Dispersion of carbon nanotubes in organic solvent by commercial polymers with ethylene chains: Experimental and theoretical studies. Japanese Journal of Applied Physics, 2015, 54, 035101.	1.5	6
144	Nano-Saturn: Energetics of the Inclusion Process of C₆₀ into Cyclohexabiphenylene. Journal of Physical Chemistry C, 2015, 119, 8931-8936.	3.1	14

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145	Fabrication and Optical Probing of Highly Extended, Ultrathin Graphene Nanoribbons in Carbon Nanotubes. ACS Nano, 2015, 9, 5034-5040.	14.6	36
146	Nano-Saturn: Theoretical design of new C₆₀inclusion compounds. Japanese Journal of Applied Physics, 2015, 54, 06FF01.	1.5	6
147	Tuning Localized Transverse Surface Plasmon Resonance in Electricity-Selected Single-Wall Carbon Nanotubes by Electrochemical Doping. Physical Review Letters, 2015, 114, 176807.	7.8	30
148	Hybrid functional study of the NASICON-type Na₃V₂(PO₄)₃: crystal and electronic structures, and polaronâ€“Na vacancy complex diffusion. Physical Chemistry Chemical Physics, 2015, 17, 30433-30439.	2.8	84
149	Mechanically activated switching of Si-based single-molecule junction as imaged with three-dimensional dynamic probe. Nature Communications, 2015, 6, 8465.	12.8	14
150	Geometric and Electronic Structures of Two-Dimensional Networks of Fused C₃₆ Fullerenes. Journal of the Physical Society of Japan, 2015, 84, 084706.	1.6	14
151	Influence of defects on carrier injection in carbon nanotubes with defects. Japanese Journal of Applied Physics, 2015, 54, 065101.	1.5	10
152	Geometric and electronic structures of polymerized C32 fullerenes: Electronic structure tuning by fullerene and carbon nanotube filling. Japanese Journal of Applied Physics, 2015, 54, 06FF02.	1.5	6
153	Spin-state tuning of decamethyl C₆₀by an electric field: First-principles studies on electronic structure. Japanese Journal of Applied Physics, 2015, 54, 06FF09.	1.5	0
154	Nanoporous Carbon Tubes from Fullerene Crystals as the Ï€â€Electron Carbon Source. Angewandte Chemie - International Edition, 2015, 54, 951-955.	13.8	116
155	Charge-changing interactions probing point-proton radii of nuclei. EPJ Web of Conferences, 2014, 66, 03099.	0.3	1
156	Electron injection into nearly free electron states of graphene nanoribbons under a lateral electric field. Applied Physics Express, 2014, 7, 125103.	2.4	16
157	Electronic structures of carbon nanotubes with monovacancy under an electric field. Japanese Journal of Applied Physics, 2014, 53, 115102.	1.5	4
158	Energetics and Electronic Structures of Carbon Nanotubes Encapsulating Polycyclic Aromatic Hydrocarbon Molecules. Journal of the Physical Society of Japan, 2014, 83, 124709.	1.6	17
159	Two-dimensional sp²carbon networks of fused pentagons. Japanese Journal of Applied Physics, 2014, 53, 06JD02.	1.5	10
160	Effect of Coulomb interactions on optical properties of monolayer transition-metal dichalcogenides. Physical Review B, 2014, 90, .	3.2	32
161	Structural dependence of electronic properties of graphene nanoribbons on an electric field. Japanese Journal of Applied Physics, 2014, 53, 06JD05.	1.5	5
162	Energetics and electronic structures of polymerized cyclobutadiene. Japanese Journal of Applied Physics, 2014, 53, 035103.	1.5	3

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163	Energetics and electronic structures of C₆₀included within [n]cyclacene molecules: Formation processes and dynamical property of C₆₀. Japanese Journal of Applied Physics, 2014, 53, 06JD06.	1.5	4
164	Flexible metallic nanowires with self-adaptive contacts to semiconducting transition-metal dichalcogenide monolayers. Nature Nanotechnology, 2014, 9, 436-442.	31.5	228
165	An anomalous dipoleâ€“dipole arrangement of water molecules encapsulated into C60 dimer. Chemical Physics Letters, 2014, 608, 351-354.	2.6	5
166	Spin-state tuning of decamethyl C60 by an electric field. Chemical Physics Letters, 2014, 614, 10-14.	2.6	6
167	Gate-induced electron-state tuning of MoS₂: first-principles calculations. Journal of Physics Condensed Matter, 2014, 26, 135001.	1.8	30
168	Cherenkov light detection as a velocity selector for uranium fission products at intermediate energies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 766, 123-125.	1.6	6
169	Latex Polymer/Super Growth-Single-Walled Carbon Nanotube Composites with High Electroconductivity Fabricated by Wet Processing. Bulletin of the Chemical Society of Japan, 2014, 87, 1343-1348.	3.2	2
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