

## List of Publications by Year in descending order

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226  
papers

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172207

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docs citations

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4555  
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA Sensing on a DNA Probe-Modified Electrode Using Ferrocenylnaphthalene Diimide as the Electrochemically Active Ligand. <i>Analytical Chemistry</i> , 2000, 72, 1334-1341.	3.2	341
2	Effect of Indirect Nonequilibrium Atmospheric Pressure Plasma on Anti-Proliferative Activity against Chronic Chemo-Resistant Ovarian Cancer Cells In Vitro and In Vivo. <i>PLoS ONE</i> , 2013, 8, e81576.	1.1	335
3	Selective killing of ovarian cancer cells through induction of apoptosis by nonequilibrium atmospheric pressure plasma. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	276
4	Aromatic C-H coupling with hindered arylboronic acids by Pd/Fe dual catalysts. <i>Chemical Science</i> , 2013, 4, 3753.	3.7	140
5	Effect of Mg-doping on the degradation of LiNiO <sub>2</sub> -based cathode materials by combined spectroscopic methods. <i>Journal of Power Sources</i> , 2012, 205, 449-455.	4.0	104
6	Development of Microelectrode Arrays Using Electroless Plating for CMOS-Based Direct Counting of Bacterial and HeLa Cells. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2015, 9, 607-619.	2.7	72
7	Branch-Selective Allylic C-H Carboxylation of Terminal Alkenes by Pd/sox Catalyst. <i>Organic Letters</i> , 2014, 16, 4212-4215.	2.4	67
8	Self-extinguishing electrolytes using fluorinated alkyl phosphates for lithium batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5156-5162.	5.2	67
9	N-Graphene Nanowalls via Plasma Nitrogen Incorporation and Substitution: The Experimental Evidence. <i>Nano-Micro Letters</i> , 2020, 12, 53.	14.4	65
10	Clinical effectiveness of neuraminidase inhibitors—oseltamivir, zanamivir, laninamivir, and peramivir—for treatment of influenza A(H3N2) and A(H1N1)pdm09 infection: an observational study in the 2010–2011 influenza season in Japan. <i>Journal of Infection and Chemotherapy</i> , 2012, 18, 858-864.	0.8	64
11	Density control of carbon nanowalls grown by CH <sub>4</sub> /H <sub>2</sub> plasma and their electrical properties. <i>Carbon</i> , 2014, 68, 380-388.	5.4	64
12	Electron field emission enhancement of carbon nanowalls by plasma surface nitridation. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	61
13	Single-walled carbon nanotube synthesis using Pt catalysts under low ethanol pressure via cold-wall chemical vapor deposition in high vacuum. <i>Carbon</i> , 2016, 96, 6-13.	5.4	60
14	Visualization of DNA microarrays by scanning electrochemical microscopy (SECM). <i>Analyst</i> , The, 2001, 126, 1210-1211.	1.7	57
15	Oriented Carbon Nanostructures by Plasma Processing: Recent Advances and Future Challenges. <i>Micromachines</i> , 2018, 9, 565.	1.4	56
16	Molecular evolution of biotin-dependent carboxylases. <i>FEBS Journal</i> , 1993, 215, 687-696.	0.2	55
17	Plasma with high electron density and plasma-activated medium for cancer treatment. <i>Clinical Plasma Medicine</i> , 2015, 3, 72-76.	3.2	55
18	Ultrahigh-Speed Synthesis of Nanographene Using Alcohol In-Liquid Plasma. <i>Applied Physics Express</i> , 2012, 5, 035101.	1.1	48

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19	Oxidative stress-dependent and -independent death of glioblastoma cells induced by non-thermal plasma-exposed solutions. <i>Scientific Reports</i> , 2019, 9, 13657.	1.6	48
20	$Z^2$ topological invariant for magnon spin Hall systems. <i>Physical Review B</i> , 2019, 99, .	1.1	45
21	Neuraminidase inhibitor susceptibility profile of pandemic and seasonal influenza viruses during the 2009–2010 and 2010–2011 influenza seasons in Japan. <i>Antiviral Research</i> , 2013, 99, 261-269.	1.9	44
22	Measurement of Hydrogen Radical Density and Its Impact on Reduction of Copper Oxide in Atmospheric-Pressure Remote Plasma Using $H_2$ and Ar Mixture Gases. <i>Applied Physics Express</i> , 2010, 3, 126101.	1.1	42
23	Genetic Characterization of Human Influenza Viruses in the Pandemic (2009–2010) and Post-Pandemic (2010–2011) Periods in Japan. <i>PLoS ONE</i> , 2012, 7, e36455.	1.1	39
24	Atomic layer etching of SiO <sub>2</sub> by alternating an O <sub>2</sub> plasma with fluorocarbon film deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, .	0.9	38
25	Stabilizing Effect of Mg on the Energetics of the Li(Ni,Co,Al)O <sub>2</sub> Cathode Material for Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2013, 160, A302-A305.	1.3	36
26	Laser Scattering Diagnosis of a 60-Hz Non-Equilibrium Atmospheric Pressure Plasma Jet. <i>Applied Physics Express</i> , 2011, 4, 026101.	1.1	33
27	Real-time <i>in situ</i> electron spin resonance measurements on fungal spores of <i>Penicillium digitatum</i> during exposure of oxygen plasmas. <i>Applied Physics Letters</i> , 2012, 101, 013704.	1.5	33
28	Non-Hermiticity and topological invariants of magnon Bogoliubov–de Gennes systems. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, .	1.8	32
29	Control of Super Hydrophobic and Super Hydrophilic Surfaces of Carbon Nanowalls Using Atmospheric Pressure Plasma Treatments. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 01AJ07.	0.8	31
30	Chemical bond modification in porous SiOCH films by H <sub>2</sub> and H <sub>2</sub> /N <sub>2</sub> plasmas investigated by <i>in situ</i> infrared reflection absorption spectroscopy. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	30
31	Surface Chemical Modification of Carbon Nanowalls for Wide-Range Control of Surface Wettability. <i>Plasma Processes and Polymers</i> , 2013, 10, 582-592.	1.6	30
32	Nucleation Control of Carbon Nanowalls Using Inductively Coupled Plasma-Enhanced Chemical Vapor Deposition. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 01AK05.	0.8	30
33	Hydrogen peroxide sensor based on carbon nanowalls grown by plasma-enhanced chemical vapor deposition. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 06HF03.	0.8	28
34	Three-dimensional topological magnon systems. <i>Physical Review B</i> , 2019, 100, .	1.1	28
35	Direct current superposed dual-frequency capacitively coupled plasmas in selective etching of SiOCH over SiC. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 025203.	1.3	27
36	Influence of the Active Material on the Electronic Conductivity of the Positive Electrode in Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A1285-A1290.	1.3	26

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37	Polyethylene terephthalate (PET) surface modification by VUV and neutral active species in remote oxygen or hydrogen plasmas. <i>Plasma Processes and Polymers</i> , 2019, 16, 1800175.	1.6	26
38	Carbon nanowall scaffold to control culturing of cervical cancer cells. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	25
39	Pyridoxine biosynthesis in yeast: participation of ribose 5-phosphate ketol-isomerase. <i>Biochemical Journal</i> , 2004, 379, 65-70.	1.7	24
40	Mapping of Heterogeneous Chemical States of Lithium in a LiNiO <sub>2</sub> -Based Active Material by Electron Energy-Loss Spectroscopy. <i>Electrochemical and Solid-State Letters</i> , 2010, 13, A115.	2.2	24
41	Formation and mechanism of ultrahigh density platinum nanoparticles on vertically grown graphene sheets by metal-organic chemical supercritical fluid deposition. <i>Applied Physics Letters</i> , 2011, 98, 193108.	1.5	24
42	Fabrication of Carbon Nanowalls on Carbon Fiber Paper for Fuel Cell Application. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 01AK03.	0.8	24
43	Recombinant expression, molecular characterization and crystal structure of antitumor enzyme, L-lysine $\alpha$ -oxidase from <i>Trichoderma viride</i> . <i>Journal of Biochemistry</i> , 2015, 157, 549-559.	0.9	24
44	Radical-controlled plasma processing for nanofabrication. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 174027.	1.3	23
45	A High-Temperature Nitrogen Plasma Etching for Preserving Smooth and Stoichiometric GaN Surface. <i>Applied Physics Express</i> , 2013, 6, 056201.	1.1	23
46	Microscopic mechanism of path-dependence on charge-discharge history in lithium iron phosphate cathode analysis using scanning transmission electron microscopy and electron energy-loss spectroscopy spectral imaging. <i>Journal of Power Sources</i> , 2015, 291, 85-94.	4.0	23
47	Intracellular responses to reactive oxygen and nitrogen species, and lipid peroxidation in apoptotic cells cultivated in plasma-activated medium. <i>Plasma Processes and Polymers</i> , 2017, 14, 1700123.	1.6	23
48	Model validation and simulation study on the thermal abuse behavior of LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> -based batteries. <i>Journal of Power Sources</i> , 2020, 448, 227464.	4.0	23
49	Synergistic Formation of Radicals by Irradiation with Both Vacuum Ultraviolet and Atomic Hydrogen: A Real-Time In Situ Electron Spin Resonance Study. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1278-1281.	2.1	22
50	Rh-catalyzed regiodivergent hydrosilylation of acyl aminocyclopropanes controlled by monophosphine ligands. <i>Chemical Science</i> , 2017, 8, 3799-3803.	3.7	21
51	Safety and Long-Term Efficacy of Drug-Coated Balloon Angioplasty following Rotational Atherectomy for Severely Calcified Coronary Lesions Compared with New Generation Drug-Eluting Stents. <i>Journal of Interventional Cardiology</i> , 2019, 2019, 1-10.	0.5	21
52	Nonlinear magnon spin Nernst effect in antiferromagnets and strain-tunable pure spin current. <i>Physical Review Research</i> , 2022, 4, .	1.3	21
53	Identification of the Catalytic Residues Involved in the Carboxyl Transfer of Pyruvate Carboxylase. <i>Biochemistry</i> , 2004, 43, 5912-5920.	1.2	20
54	Epitaxial growth of GaN by radical-enhanced metalorganic chemical vapor deposition (REMOCVD) in the downflow of a very high frequency (VHF) N <sub>2</sub> /H <sub>2</sub> excited plasma effect of TMG flow rate and VHF power. <i>Journal of Crystal Growth</i> , 2014, 391, 97-103.	0.7	20

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55	Interaction of oxygen with polystyrene and polyethylene polymer films: A mechanistic study. Journal of Applied Physics, 2020, 127, .	1.1	20
56	Synthesis and characterization of novel tris-intercalators having potentially two different DNA binding modes. Supramolecular Chemistry, 1993, 2, 41-46.	1.5	19
57	Formation processes of Ge <sub>3</sub> N <sub>4</sub> films by radical nitridation and their electrical properties. Thin Solid Films, 2010, 518, S226-S230.	0.8	19
58	Optical Properties of Evolutionary Grown Layers of Carbon Nanowalls Analyzed by Spectroscopic Ellipsometry. Japanese Journal of Applied Physics, 2010, 49, 060220.	0.8	19
59	Genetic diversity and antiviral drug resistance of pandemic H1N1 2009 in Lebanon. Journal of Clinical Virology, 2011, 51, 170-174.	1.6	18
60	Highly Selective Etching of SiO <sub>2</sub> over Si <sub>3</sub> N <sub>4</sub> and Si in Capacitively Coupled Plasma Employing C <sub>5</sub> HF <sub>7</sub> Gas. Japanese Journal of Applied Physics, 2013, 52, 016201.	0.8	18
61	Nanographene synthesis employing in-liquid plasmas with alcohols or hydrocarbons. Japanese Journal of Applied Physics, 2018, 57, 026201.	0.8	18
62	Comprehensive Study of the Polarization Behavior of LiFePO <sub>4</sub> Electrodes Based on a Many-Particle Model. Journal of the Electrochemical Society, 2018, 165, A2047-A2057.	1.3	18
63	Critical Factors for Nucleation and Vertical Growth of Two Dimensional Nano-Graphene Sheets Employing a Novel Ar+Beam with Hydrogen and Fluorocarbon Radical Injection. Applied Physics Express, 2010, 3, 045102.	1.1	17
64	Dynamic analysis of reactive oxygen nitrogen species in plasma-activated culture medium by UV absorption spectroscopy. Journal of Applied Physics, 2017, 122, .	1.1	17
65	Effectiveness of four types of neuraminidase inhibitors approved in Japan for the treatment of influenza. PLoS ONE, 2019, 14, e0224683.	1.1	17
66	Synthesis of carbon nanowalls on the surface of nanoporous alumina membranes by RI-PECVD method. Applied Surface Science, 2020, 523, 146533.	3.1	17
67	Metal-organic chemical vapor deposition of high-dielectric-constant praseodymium oxide films using a cyclopentadienyl precursor. Applied Physics Letters, 2010, 96, 012105.	1.5	16
68	Synthesis of single-walled carbon nanotubes on graphene layers. Chemical Communications, 2015, 51, 8974-8977.	2.2	16
69	Full Genome Characterization of Human Influenza A/H3N2 Isolates from Asian Countries Reveals a Rare Amantadine Resistance-Confering Mutation and Novel PB1-F2 Polymorphisms. Frontiers in Microbiology, 2016, 7, 262.	1.5	16
70	Rapid growth of micron-sized graphene flakes using in-liquid plasma employing iron phthalocyanine-added ethanol. Applied Physics Express, 2018, 11, 015102.	1.1	16
71	̳f-Bond Hydroboration of Cyclopropanes. Journal of the American Chemical Society, 2020, 142, 11306-11313.	6.6	16
72	Low-Temperature Single-Walled Carbon Nanotube Growth from Pt Catalyst Using Alcohol Gas Source Method in High Vacuum. Japanese Journal of Applied Physics, 2013, 52, 06GD02.	0.8	15

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73	Highly Concentrated Electrolytes Containing a Phosphoric Acid Ester Amide with Self-Extinguishing Properties for Use in Lithium Batteries. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9738-9745.	1.5	15
74	Identification of lysine-238 of <i>Escherichia coli</i> biotin carboxylase as an ATP-binding residue. <i>FEBS Letters</i> , 1998, 427, 377-380.	1.3	14
75	Graphene Nanowalls. , 0, , .		14
76	Effects of nitrogen plasma post-treatment on electrical conduction of carbon nanowalls. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 040307.	0.8	14
77	Influenza Virus Shedding in Laninamivir-Treated Children upon Returning to School. <i>Tohoku Journal of Experimental Medicine</i> , 2016, 238, 113-121.	0.5	14
78	Phylogeographic analysis of human influenza A and B viruses in Myanmar, 2010–2015. <i>PLoS ONE</i> , 2019, 14, e0210550.	1.1	14
79	Discrimination of the length of double-stranded DNA fragments by the bis-intercalating ligand.. <i>Analytical Sciences</i> , 1997, 13, 177-180.	0.8	13
80	Composition Dependence of Work Function in Metal (Ni,Pt)-Germanide Gate Electrodes. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 1865-1869.	0.8	13
81	Formation of Pr Oxide Films by Atomic Layer Deposition Using Pr(EtCp) <sub>3</sub> Precursor. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 04DA14.	0.8	13
82	Silicon nitride etching performance of CH <sub>2</sub> F <sub>2</sub> plasma diluted with argon or krypton. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 040303.	0.8	13
83	Suppression of plasma-induced damage on GaN etched by a Cl <sub>2</sub> plasma at high temperatures. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 06GB04.	0.8	13
84	Investigation of effects of ion energies on both plasma-induced damage and surface morphologies and optimization of high-temperature Cl <sub>2</sub> plasma etching of GaN. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 026502.	0.8	13
85	Theoretical Elucidation of Potential Enantioselectivity in a Pd-Catalyzed Aromatic C–H Coupling Reaction. <i>Journal of Organic Chemistry</i> , 2017, 82, 4900-4906.	1.7	13
86	A 65-nm CMOS Fully Integrated Analysis Platform Using an On-Chip Vector Network Analyzer and a Transmission-Line-Based Detection Window for Analyzing Circulating Tumor Cell and Exosome. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2019, 13, 470-479.	2.7	13
87	<i>In situ</i> surface analysis of an ion-energy-dependent chlorination layer on GaN during cyclic etching using Ar <sup>+</sup> ions and Cl radicals. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020, 38, .	0.9	13
88	DC-Plasma over Aqueous Solution for the Synthesis of Titanium Dioxide Nanoparticles under Pressurized Argon. <i>ACS Omega</i> , 2020, 5, 5443-5451.	1.6	13
89	Achieving high-growth-rate in GaN homoepitaxy using high-density nitrogen radical source. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 2089-2091.	0.8	12
90	Behaviors of Absolute Densities of N, H, and NH <sub>3</sub> at Remote Region of High-Density Radical Source Employing N <sub>2</sub> -H <sub>2</sub> Mixture Plasmas. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 01AE03.	0.8	12

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91	Feature Profiles on Plasma Etch of Organic Films by a Temporal Control of Radical Densities and Real-Time Monitoring of Substrate Temperature. Japanese Journal of Applied Physics, 2012, 51, 016202.	0.8	12
92	Photoluminescence recovery by <i>in-situ</i> exposure of plasma-damaged n-GaN to atomic hydrogen at room temperature. AIP Advances, 2012, 2, .	0.6	12
93	Wavelength Dependence of Photon-Induced Interface Defects in Hydrogenated Silicon Nitride/Si Structure during Plasma Etching Processes. Japanese Journal of Applied Physics, 2013, 52, 05ED01.	0.8	12
94	Spatial profiles of interelectrode electron density in direct current superposed dual-frequency capacitively coupled plasmas. Journal Physics D: Applied Physics, 2017, 50, 155201.	1.3	12
95	High-durability catalytic electrode composed of Pt nanoparticle-supported carbon nanowalls synthesized by radical-injection plasma-enhanced chemical vapor deposition. Journal Physics D: Applied Physics, 2017, 50, 40LT01.	1.3	12
96	Effectiveness of the quadrivalent inactivated influenza vaccine in Japan during the 2015–2016 season: A test-negative case-control study comparing the results by real time PCR, virus isolation. Vaccine: X, 2019, 1, 100011.	0.9	12
97	Dirac Surface States in Magnonic Analogs of Topological Crystalline Insulators. Physical Review Letters, 2021, 127, 177201.	2.9	12
98	Strain relaxation of patterned Ge and SiGe layers on Si(100) substrates. Semiconductor Science and Technology, 2007, 22, S132-S136.	1.0	11
99	Silicide and germanide technology for contacts and gates in MOSFET applications. Thin Solid Films, 2008, 517, 80-83.	0.8	11
100	Reactive Ion Etching of Carbon Nanowalls. Japanese Journal of Applied Physics, 2011, 50, 075101.	0.8	11
101	Rapid measurement of substrate temperatures by frequency-domain low-coherence interferometry. Applied Physics Letters, 2013, 103, 182102.	1.5	11
102	Characterization of Human Influenza Viruses in Lebanon during 2010-2011 and 2011-2012 Post-Pandemic Seasons. Intervirology, 2014, 57, 344-352.	1.2	11
103	Nanographene synthesized in triple-phase plasmas as a highly durable support of catalysts for polymer electrolyte fuel cells. Japanese Journal of Applied Physics, 2018, 57, 045101.	0.8	11
104	Simulation study of rate limiting factors of Li-ion batteries using experimental functions of electronic and ionic resistances. Electrochimica Acta, 2021, 371, 137834.	2.6	11
105	Feature Profiles on Plasma Etch of Organic Films by a Temporal Control of Radical Densities and Real-Time Monitoring of Substrate Temperature. Japanese Journal of Applied Physics, 2012, 51, 016202.	0.8	11
106	Critical flux ratio of hydrogen radical to film precursor in microcrystalline silicon deposition for solar cells. Applied Physics Letters, 2012, 101, .	1.5	10
107	Control of Super Hydrophobic and Super Hydrophilic Surfaces of Carbon Nanowalls Using Atmospheric Pressure Plasma Treatments. Japanese Journal of Applied Physics, 2012, 51, 01AJ07.	0.8	10
108	Impact of hydrogen radical-injection plasma on fabrication of microcrystalline silicon thin film for solar cells. Journal of Applied Physics, 2013, 113, 033304.	1.1	10

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109	Supercritical Fluid Deposition of High-Density Nanoparticles of Photocatalytic TiO <sub>2</sub> on Carbon Nanowalls. Applied Physics Express, 2013, 6, 045103.	1.1	10
110	Spatiotemporal behaviors of absolute density of atomic oxygen in a planar type of Ar/O <sub>2</sub> non-equilibrium atmospheric-pressure plasma jet. Plasma Sources Science and Technology, 2014, 23, 025004.	1.3	10
111	Robust characteristics of semiconductor-substrate temperature measurement by autocorrelation-type frequency-domain low-coherence interferometry. Japanese Journal of Applied Physics, 2015, 54, 01AB03.	0.8	10
112	Hydrofluorocarbon ion density of argon- or krypton-diluted CH <sub>2</sub> F <sub>2</sub> plasmas: generation of CH <sub>2</sub> F <sup>+</sup> and CHF <sub>2</sub> <sup>+</sup> by dissociative-ionization in charge exchange collisions. Journal Physics D: Applied Physics, 2015, 48, 045202.	1.3	10
113	CF <sub>3</sub> <sup>+</sup> fragmentation by electron impact ionization of perfluoro-propyl-vinyl-ethers, C <sub>5</sub> F <sub>10</sub> O, in gas phase. Japanese Journal of Applied Physics, 2015, 54, 040301.	0.8	10
114	Effects of Radical Species on Structural and Electronic Properties of Amorphous Carbon Films Deposited by Radical-Injection Plasma-Enhanced Chemical Vapor Deposition. Plasma Processes and Polymers, 2016, 13, 730-736.	1.6	10
115	Lipid droplets exhaustion with caspases activation in HeLa cells cultured in plasma-activated medium observed by multiplex coherent anti-Stokes Raman scattering microscopy. Biointerphases, 2017, 12, 031006.	0.6	10
116	Electron behaviors in afterglow of synchronized dc-imposed pulsed fluorocarbon-based plasmas. Japanese Journal of Applied Physics, 2017, 56, 06HC03.	0.8	10
117	Atomic Oxygen Etching from the Top Edges of Carbon Nanowalls. Applied Physics Express, 2013, 6, 095201.	1.1	9
118	Surface roughness development on ArF-photoresist studied by beam-irradiation of CF <sub>4</sub> plasma. Journal Physics D: Applied Physics, 2013, 46, 102001.	1.3	9
119	Feedback Control System of Wafer Temperature for Advanced Plasma Processing and its Application to Organic Film Etching. IEEE Transactions on Semiconductor Manufacturing, 2015, 28, 515-520.	1.4	9
120	Effects of Atomic Layer Deposition-Al <sub>2</sub> O <sub>3</sub> Interface Layers on Interfacial Properties of Ge Metalâ€“Oxideâ€“Semiconductor Capacitors. Japanese Journal of Applied Physics, 2009, 48, 05DA04.	0.8	8
121	Individual Roles of Atoms and Ions during Hydrogen Plasma Passivation of Surface Defects on GaN Created by Plasma Etching. Japanese Journal of Applied Physics, 2012, 51, 111002.	0.8	8
122	Effectiveness of Trivalent Influenza Vaccine among Children in Two Consecutive Seasons in a Community in Japan. Tohoku Journal of Experimental Medicine, 2014, 232, 97-104.	0.5	8
123	Facile synthesis of SnO <sub>2</sub> -graphene composites employing nonthermal plasma and SnO <sub>2</sub> nanoparticles-dispersed ethanol. Journal Physics D: Applied Physics, 2019, 52, 175301.	1.3	8
124	Effect of electrical stimulation on proliferation and bone-formation by osteoblast-like cells cultured on carbon nanowalls scaffolds. Applied Physics Express, 2019, 12, 025006.	1.1	8
125	Single-Step, Low-Temperature Simultaneous Formations and in Situ Binding of Tin Oxide Nanoparticles to Graphene Nanosheets by In-Liquid Plasma for Potential Applications in Gas Sensing and Lithium-Ion Batteries. ACS Applied Nano Materials, 2019, 2, 649-654.	2.4	8
126	Control of sp <sup>2</sup> -C cluster incorporation of amorphous carbon films grown by H-radical-injection CH <sub>4</sub> /H <sub>2</sub> plasma-enhanced chemical vapor deposition. Japanese Journal of Applied Physics, 2019, 58, 030912.	0.8	8



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127	Structural basis of strict substrate recognition of l-lysine $\alpha$ -oxidase from <i>Trichoderma viride</i> . <i>Protein Science</i> , 2020, 29, 2213-2225.	3.1	8
128	Behaviors of Absolute Densities of N, H, and $\text{NH}_3$ at Remote Region of High-Density Radical Source Employing $\text{N}_2$ - $\text{H}_2$ Mixture Plasmas. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 01AE03.	0.8	8
129	Control of Interfacial Properties of $\text{Al}_2\text{O}_3/\text{Ge}$ Gate Stack Structure Using Radical Nitridation Technique. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 10PE02.	0.8	8
130	Recent progress in microwave-assisted preparations of 2D materials and catalysis applications. <i>Nanotechnology</i> , 2022, 33, 342002.	1.3	8
131	Theoretical Analysis of the Reaction Mechanism of Biotin Carboxylase. <i>Journal of Chemical Theory and Computation</i> , 2008, 4, 366-374.	2.3	7
132	Formation of $\text{Ge}_3\text{N}_4/\text{Ge}$ Structures Using Nitrogen Radicals and Their Thermal Stability. <i>ECS Transactions</i> , 2009, 16, 717-721.	0.3	7
133	Nitrogen-Content Dependence of Crystalline Structures and Resistivity of $\text{HfSiN}$ Gate Electrodes for Metal-Oxide-Semiconductor Field-Effect Transistors. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 045505.	0.8	7
134	Intracellular-molecular changes in plasma-irradiated budding yeast cells studied using multiplex coherent anti-Stokes Raman scattering microscopy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13438-13442.	1.3	7
135	Community- and hospital-acquired infections with oseltamivir- and peramivir-resistant influenza A(H1N1)pdm09 viruses during the 2015-2016 season in Japan. <i>Virus Genes</i> , 2017, 53, 89-94.	0.7	7
136	Effects of gas residence time of $\text{CH}_4/\text{H}_2$ on $\text{sp}^2$ fraction of amorphous carbon films and dissociated methyl density during radical-injection plasma-enhanced chemical vapor deposition. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 06JE03.	0.8	7
137	Effects of Carbon Nanowalls (CNWs) Substrates on Soft Ionization of Low-Molecular-Weight Organic Compounds in Surface-Assisted Laser Desorption/Ionization Mass Spectrometry (SALDI-MS). <i>Nanomaterials</i> , 2021, 11, 262.	1.9	7
138	Novel method to introduce uniaxial tensile strain in Ge by microfabrication of $\text{Ge}/\text{Si}^{111}\text{Ge}$ structures on $\text{Si}(001)$ substrates. <i>Solid-State Electronics</i> , 2009, 53, 1198-1201.	0.8	6
139	Control of Interfacial Properties of $\text{Al}_2\text{O}_3/\text{Ge}$ Gate Stack Structure Using Radical Nitridation Technique. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 10PE02.	0.8	6
140	Low Temperature Growth of Single-Walled Carbon Nanotubes from Pt Catalysts under Low Ethanol Pressure by Alcohol Gas Source Method. <i>Journal of Nanotechnology</i> , 2012, 2012, 1-5.	1.5	6
141	Surface loss probability of H radicals on silicon thin films in $\text{SiH}_4/\text{H}_2$ plasma. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	6
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