

List of Publications by Year in descending order

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papers

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all docs

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docs citations

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times ranked

4555
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of titanium dioxide nanoparticle by means of discharge plasma over an aqueous solution under high-pressure gas environment. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 3805-3820.	3.4	6
2	Nonlinear magnon spin Nernst effect in antiferromagnets and strain-tunable pure spin current. <i>Physical Review Research</i> , 2022, 4, .	1.3	21
3	In-liquid plasma synthesis of iron-nitrogen-doped carbon nanoflakes with high catalytic activity. <i>Plasma Processes and Polymers</i> , 2022, 19, .	1.6	3
4	Recent progress in microwave-assisted preparations of 2D materials and catalysis applications. <i>Nanotechnology</i> , 2022, 33, 342002.	1.3	8
5	Simulation study of rate limiting factors of Li-ion batteries using experimental functions of electronic and ionic resistances. <i>Electrochimica Acta</i> , 2021, 371, 137834.	2.6	11
6	Continuous Decomposition of Cobalt Oxides by Iodine-Trimethyl Phosphate Complex during Electrochemical Charge toward Cobalt Recovery. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8731-8735.	3.2	2
7	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
8	Acute diffuse thickening like halo™ of the coronary tunica adventitia after rotational atherectomy. <i>Coronary Artery Disease</i> , 2021, 32, 665-667.	0.3	3
9	Dirac Surface States in Magnonic Analogs of Topological Crystalline Insulators. <i>Physical Review Letters</i> , 2021, 127, 177201.	2.9	12
10	In-Liquid Plasma Synthesis of Nanographene with a Mixture of Methanol and 1-Butanol. <i>ChemNanoMat</i> , 2020, 6, 604-609.	1.5	4
11	Gas-phase and film analysis of hydrogenated amorphous carbon films: Effect of ion bombardment energy flux on sp ² carbon structures. <i>Diamond and Related Materials</i> , 2020, 104, 107651.	1.8	5
12	Model validation and simulation study on the thermal abuse behavior of LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ -based batteries. <i>Journal of Power Sources</i> , 2020, 448, 227464.	4.0	23
13	In situ surface analysis of an ion-energy-dependent chlorination layer on GaN during cyclic etching using Ar ⁺ ions and Cl radicals. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020, 38, .	0.9	13
14	Measurements of nitrogen atom density in a microwave-excited plasma jet produced under moderate pressures. <i>IEEE Transactions on Electrical and Electronic Engineering</i> , 2020, 15, 1281-1287.	0.8	3
15	Structural basis of strict substrate recognition of lysine oxidase from <i>Trichoderma viride</i> . <i>Protein Science</i> , 2020, 29, 2213-2225.	3.1	8
16	σ-Bond Hydroboration of Cyclopropanes. <i>Journal of the American Chemical Society</i> , 2020, 142, 11306-11313.	6.6	16
17	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
18	N-Graphene Nanowalls via Plasma Nitrogen Incorporation and Substitution: The Experimental Evidence. <i>Nano-Micro Letters</i> , 2020, 12, 53.	14.4	65

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19	Interaction of oxygen with polystyrene and polyethylene polymer films: A mechanistic study. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	20
20	Mediator Catalyst for Lithium Fluoride Decomposition for Lithium Recovery. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2260-2266.	3.2	2
21	Synthesis of carbon nanowalls on the surface of nanoporous alumina membranes by RI-PECVD method. <i>Applied Surface Science</i> , 2020, 523, 146533.	3.1	17
22	Transparent elongation and compressive strain sensors based on aligned carbon nanowalls embedded in polyurethane. <i>Sensors and Actuators A: Physical</i> , 2020, 306, 111946.	2.0	5
23	Non-Hermiticity and topological invariants of magnon Bogoliubovâ€™de Gennes systems. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, .	1.8	32
24	Efficacy of Low-Pressure Inflation of Oversized Drug-Coated Balloon for Coronary Artery Disease. <i>Journal of Interventional Cardiology</i> , 2020, 2020, 1-10.	0.5	2
25	Atmospheric Pressure Plasma-Treated Carbon Nanowallsâ€™ Surface-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry (CNW-SALDI-MS). <i>Journal of Carbon Research</i> , 2019, 5, 40.	1.4	5
26	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
27	Three-dimensional topological magnon systems. <i>Physical Review B</i> , 2019, 100, .	1.1	28
28	Electrochemical Reaction in Hydrogen Peroxide and Structural Change of Platinum Nanoparticle-Supported Carbon Nanowalls Grown Using Plasma-Enhanced Chemical Vapor Deposition. <i>Journal of Carbon Research</i> , 2019, 5, 7.	1.4	3
29	Iodine Mediator with Anomalously High Redox Potential and Its Application to a Catalytic Cycle for Lithium Carbonate Decomposition toward Future Lithium Reproduction. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3944-3950.	1.5	6
30	Facile synthesis of SnO ₂ -graphene composites employing nonthermal plasma and SnO ₂ nanoparticles-dispersed ethanol. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 175301.	1.3	8
31	Effectiveness of the quadrivalent inactivated influenza vaccine in Japan during the 2015â€™2016 season: A test-negative case-control study comparing the results by real time PCR, virus isolation. <i>Vaccine: X</i> , 2019, 1, 100011.	0.9	12
32	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
33	Gene Expression of Osteoblast-like Cells on Carbon-Nanowall as Scaffolds during Incubation with Electrical Stimulation. <i>ACS Applied Bio Materials</i> , 2019, 2, 2698-2702.	2.3	6
34	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
35	Phylogeographic analysis of human influenza A and B viruses in Myanmar, 2010â€™2015. <i>PLoS ONE</i> , 2019, 14, e0210550.	1.1	14
36	Effects of Ion Bombardment Energy Flux on Chemical Compositions and Structures of Hydrogenated Amorphous Carbon Films Grown by a Radical-Injection Plasma-Enhanced Chemical Vapor Deposition. <i>Journal of Carbon Research</i> , 2019, 5, 8.	1.4	1

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37	Effects of plasma shield plate design on epitaxial GaN films grown for large-sized wafers in radical-enhanced metalorganic chemical vapor deposition. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2019, 37, 031201.	0.6	4
38	Effect of electrical stimulation on proliferation and bone-formation by osteoblast-like cells cultured on carbon nanowalls scaffolds. <i>Applied Physics Express</i> , 2019, 12, 025006.	1.1	8
39	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
40	Narrow free-standing features fabricated by top-down self-limited trimming of organic materials using precisely temperature-controlled plasma etching system. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 020906.	0.8	4
41	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. <i>ACS Applied Nano Materials</i> , 2019, 2, 649-654.	2.4	8
42	Effectiveness of four types of neuraminidase inhibitors approved in Japan for the treatment of influenza. <i>PLoS ONE</i> , 2019, 14, e0224683.	1.1	17
43	Simulation-aided design of very-high-frequency excited nitrogen plasma confinement using a shield plate. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2019, 37, .	0.6	2
44	Effects of 3D structure on electrochemical oxygen reduction characteristics of Pt-nanoparticle-supported carbon nanowalls. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 105503.	1.3	5
45	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="double-struck"} \rangle Z \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ topological invariant for magnon spin Hall systems. <i>Physical Review B</i> , 2019, 99, .	1.1	45
46	Control of sp^2 -C cluster incorporation of amorphous carbon films grown by H-radical-injection CH_4/H_2 plasma-enhanced chemical vapor deposition. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 030912.	0.8	8
47	Pt nanoparticle-supported carbon nanowalls electrode with improved durability for fuel cell applications using $\text{C}_2\text{F}_6/\text{H}_2$ plasma-enhanced chemical vapor deposition. <i>Applied Physics Express</i> , 2019, 12, 015001.	1.1	6
48	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
49	Oxygen reduction reaction properties of nitrogen-incorporated nanographenes synthesized using in-liquid plasma from mixture of ethanol and iron phthalocyanine. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 040303.	0.8	6
50	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
51	Neuraminidase inhibitor susceptibility and evolutionary analysis of human influenza B isolates from three Asian countries during 2012–2015. <i>Infection, Genetics and Evolution</i> , 2018, 62, 27-33.	1.0	1
52	Nanographene synthesis employing in-liquid plasmas with alcohols or hydrocarbons. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 026201.	0.8	18
53	Rapid growth of micron-sized graphene flakes using in-liquid plasma employing iron phthalocyanine-added ethanol. <i>Applied Physics Express</i> , 2018, 11, 015102.	1.1	16
54	Nanographene synthesized in triple-phase plasmas as a highly durable support of catalysts for polymer electrolyte fuel cells. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 045101.	0.8	11

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55	Temperature dependence on plasma-induced damage and chemical reactions in GaN etching processes using chlorine plasma. Japanese Journal of Applied Physics, 2018, 57, 06JD01.	0.8	3
56	Impact of helium pressure in arc plasma synthesis on crystallinity of single-walled carbon nanotubes. Japanese Journal of Applied Physics, 2018, 57, 06JF01.	0.8	0
57	Effects of gas residence time of CH ₄ /H ₂ on sp ² fraction of amorphous carbon films and dissociated methyl density during radical-injection plasma-enhanced chemical vapor deposition. Japanese Journal of Applied Physics, 2018, 57, 06JE03.	0.8	7
58	Effect of N ₂ /H ₂ plasma on GaN substrate cleaning for homoepitaxial GaN growth by radical-enhanced metalorganic chemical vapor deposition (REMOCVD). AIP Advances, 2018, 8, 115116.	0.6	4
59	Oriented Carbon Nanostructures by Plasma Processing: Recent Advances and Future Challenges. Micromachines, 2018, 9, 565.	1.4	56
60	Reaction mechanisms between chlorine plasma and a spin-on-type polymer mask for high-temperature plasma etching. Japanese Journal of Applied Physics, 2018, 57, 106502.	0.8	1
61	Elevated-temperature etching of gallium nitride (GaN) in dual-frequency capacitively coupled plasma of CH ₄ /H ₂ at 300–500 Å°C. Vacuum, 2018, 156, 219-223.	1.6	6
62	Comprehensive Study of the Polarization Behavior of LiFePO ₄ Electrodes Based on a Many-Particle Model. Journal of the Electrochemical Society, 2018, 165, A2047-A2057.	1.3	18
63	Atomic layer etching of SiO ₂ by alternating an O ₂ plasma with fluorocarbon film deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, .	0.9	38
64	Investigation of effects of ion energies on both plasma-induced damage and surface morphologies and optimization of high-temperature Cl ₂ plasma etching of GaN. Japanese Journal of Applied Physics, 2017, 56, 026502.	0.8	13
65	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
66	Characteristics of optical emissions of arc plasma processing for high-rate synthesis of highly crystalline single-walled carbon nanotubes. Japanese Journal of Applied Physics, 2017, 56, 035101.	0.8	5
67	Self-extinguishing electrolytes using fluorinated alkyl phosphates for lithium batteries. Journal of Materials Chemistry A, 2017, 5, 5156-5162.	5.2	67
68	Theoretical Elucidation of Potential Enantioselectivity in a Pd-Catalyzed Aromatic C–H Coupling Reaction. Journal of Organic Chemistry, 2017, 82, 4900-4906.	1.7	13
69	Intracellular-molecular changes in plasma-irradiated budding yeast cells studied using multiplex coherent anti-Stokes Raman scattering microscopy. Physical Chemistry Chemical Physics, 2017, 19, 13438-13442.	1.3	7
70	Temperature dependence of protection layer formation on organic trench sidewall in H ₂ /N ₂ plasma etching with control of substrate temperature. Japanese Journal of Applied Physics, 2017, 56, 076202.	0.8	4
71	Hydrogen peroxide sensor based on carbon nanowalls grown by plasma-enhanced chemical vapor deposition. Japanese Journal of Applied Physics, 2017, 56, 06HF03.	0.8	28
72	Rh-catalyzed regioselective hydrosilylation of acyl aminocyclopropanes controlled by monophosphine ligands. Chemical Science, 2017, 8, 3799-3803.	3.7	21

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73	Thermally enhanced formation of photon-induced damage on GaN films in Cl ₂ plasma. Japanese Journal of Applied Physics, 2017, 56, 096501.	0.8	4
74	Absolute density of precursor SiH ₃ radicals and H atoms in H ₂ -diluted SiH ₄ gas plasma for deposition of microcrystalline silicon films. Applied Physics Letters, 2017, 110, 043902.	1.5	4
75	Intracellular responses to reactive oxygen and nitrogen species, and lipid peroxidation in apoptotic cells cultivated in plasma-activated medium. Plasma Processes and Polymers, 2017, 14, 1700123.	1.6	23
76	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
77	Growth of InN films by radical-enhanced metal organic chemical vapor deposition at a low temperature of 200 Å°C. Japanese Journal of Applied Physics, 2017, 56, 06HE08.	0.8	4
78	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
79	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
80	Surface roughening of photoresist after change of the photon/radical and ion treatment sequence. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, 060606.	0.9	2
81	A construction of diffusion processes associated with sub-Laplacian on CR manifolds and its applications. Journal of the Mathematical Society of Japan, 2017, 69, .	0.3	2
82	Community- and hospital-acquired infections with oseltamivir- and peramivir-resistant influenza A(H1N1)pdm09 viruses during the 2015â€“2016 season in Japan. Virus Genes, 2017, 53, 89-94.	0.7	7
83	Electron behaviors in afterglow of synchronized dc-imposed pulsed fluorocarbon-based plasmas. Japanese Journal of Applied Physics, 2017, 56, 06HC03.	0.8	10
84	A CONCRETE APPROACH TO DIAGONAL SHORT TIME ASYMPTOTICS OF HEAT KERNELS ASSOCIATED WITH SUB-LAPLACIAN ON CR MANIFOLDS. Kyushu Journal of Mathematics, 2017, 71, 65-84.	0.2	0
85	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
86	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
87	Real-time temperature monitoring of Si substrate during plasma processing and its heat-flux analysis. Japanese Journal of Applied Physics, 2016, 55, 01AB04.	0.8	6
88	Influenza Virus Shedding in Laninamivir-Treated Children upon Returning to School. Tohoku Journal of Experimental Medicine, 2016, 238, 113-121.	0.5	14
89	Effect of gas residence time on near-edge X-ray absorption fine structures of hydrogenated amorphous carbon films grown by plasma-enhanced chemical vapor deposition. Japanese Journal of Applied Physics, 2016, 55, 040305.	0.8	4
90	Single-walled carbon nanotube synthesis using Pt catalysts under low ethanol pressure via cold-wall chemical vapor deposition in high vacuum. Carbon, 2016, 96, 6-13.	5.4	60

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91	Single-Walled Carbon Nanotube Growth from Pt catalysts using Alcohol Gas Source Method: Comparison with Co catalysts. Transactions of the Materials Research Society of Japan, 2015, 40, 405-408.	0.2	0
92	Nanoplatform Based on Vertical Nanographene. , 2015, , .		1
93	Growth Mechanism of Single-Walled Carbon Nanotubes from Pt Catalysts by Alcohol Catalytic CVD. Materials Research Society Symposia Proceedings, 2015, 1752, 27-30.	0.1	0
94	Silicon nitride etching performance of CH ₂ F ₂ plasma diluted with argon or krypton. Japanese Journal of Applied Physics, 2015, 54, 040303.	0.8	13
95	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
96	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
97	Development of Microelectrode Arrays Using Electroless Plating for CMOS-Based Direct Counting of Bacterial and HeLa Cells. IEEE Transactions on Biomedical Circuits and Systems, 2015, 9, 607-619.	2.7	72
98	Hydrofluorocarbon ion density of argon- or krypton-diluted CH ₂ F ₂ plasmas: generation of CH ₂ F ⁺ and CHF ₂ ⁺ by dissociative-ionization in charge exchange collisions. Journal Physics D: Applied Physics, 2015, 48, 045202.	1.3	10
99	Recombinant expression, molecular characterization and crystal structure of antitumor enzyme, L-lysine Å-oxidase from Trichoderma viride. Journal of Biochemistry, 2015, 157, 549-559.	0.9	24
100	Synthesis of single-walled carbon nanotubes on graphene layers. Chemical Communications, 2015, 51, 8974-8977.	2.2	16
101	Angle-dependent hard X-ray photoemission study of Nb hydride formation in high-pressure supercritical water. Journal of Alloys and Compounds, 2015, 643, 195-200.	2.8	4
102	Microscopic mechanism of path-dependence on chargeâ€ discharge history in lithium iron phosphate cathode analysis using scanning transmission electron microscopy and electron energy-loss spectroscopy spectral imaging. Journal of Power Sources, 2015, 291, 85-94.	4.0	23
103	Suppression of plasma-induced damage on GaN etched by a Cl ₂ plasma at high temperatures. Japanese Journal of Applied Physics, 2015, 54, 06GB04.	0.8	13
104	CF ₃ ⁺ fragmentation by electron impact ionization of perfluoro-propyl-vinyl-ethers, C ₅ F ₁₀ O, in gas phase. Japanese Journal of Applied Physics, 2015, 54, 040301.	0.8	10
105	Plasma with high electron density and plasma-activated medium for cancer treatment. Clinical Plasma Medicine, 2015, 3, 72-76.	3.2	55
106	Governmental transfers and altruistic private transfers. Journal of Population Economics, 2015, 28, 509-533.	3.5	2
107	Live demonstration: A CMOS sensor platform with 1.2 μm × 2.05 μm electroless-plated 1024 × 1024 microelectrode array for high-sensitivity rapid direct bacteria counting. , 2014, , .		1
108	A CMOS sensor platform with 1.2 μm × 2.05 μm electroless-plated 1024 × 1024 microelectrode array for high-sensitivity rapid direct bacteria counting. , 2014, , .		6

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109	Carbon nanowall scaffold to control culturing of cervical cancer cells. Applied Physics Letters, 2014, 105, .	1.5	25
110	Effects of nitrogen plasma post-treatment on electrical conduction of carbon nanowalls. Japanese Journal of Applied Physics, 2014, 53, 040307.	0.8	14
111	Nanostructure modification to carbon nanowall surface employing hydrogen peroxide solution. Japanese Journal of Applied Physics, 2014, 53, 040305.	0.8	3
112	Hierarchical regrowth of flowerlike nanographene sheets on oxygen-plasma-treated carbon nanowalls. Applied Physics Express, 2014, 7, 046201.	1.1	5
113	Temporal changes in absolute atom densities in H ₂ and N ₂ mixture gas plasmas by surface modifications of reactor wall. Japanese Journal of Applied Physics, 2014, 53, 050301.	0.8	6
114	Single-Walled Carbon Nanotube Growth with Narrow Diameter Distribution from Pt Catalysts by Alcohol Gas Source Method. Materials Research Society Symposia Proceedings, 2014, 1659, 107-112.	0.1	0
115	Spatiotemporal behaviors of absolute density of atomic oxygen in a planar type of Ar/O ₂ non-equilibrium atmospheric-pressure plasma jet. Plasma Sources Science and Technology, 2014, 23, 025004.	1.3	10
116	Density control of carbon nanowalls grown by CH ₄ /H ₂ plasma and their electrical properties. Carbon, 2014, 68, 380-388.	5.4	64
117	Characterization of Human Influenza Viruses in Lebanon during 2010-2011 and 2011-2012 Post-Pandemic Seasons. Intervirology, 2014, 57, 344-352.	1.2	11
118	Recovery of atom density drift caused by change in reactor wall conditions by real-time autonomous control. Journal Physics D: Applied Physics, 2014, 47, 422002.	1.3	4
119	Branch-Selective Allylic C-H Carboxylation of Terminal Alkenes by Pd/sox Catalyst. Organic Letters, 2014, 16, 4212-4215.	2.4	67
120	Epitaxial growth of GaN by radical-enhanced metalorganic chemical vapor deposition (REMOCVD) in the downflow of a very high frequency (VHF) N ₂ /H ₂ excited plasma – effect of TMG flow rate and VHF power. Journal of Crystal Growth, 2014, 391, 97-103.	0.7	20
121	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
122	Surface Chemical Modification of Carbon Nanowalls for Wide-Range Control of Surface Wettability. Plasma Processes and Polymers, 2013, 10, 582-592.	1.6	30
123	Atomic Oxygen Etching from the Top Edges of Carbon Nanowalls. Applied Physics Express, 2013, 6, 095201.	1.1	9
124	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
125	Fabrication of Carbon Nanowalls on Carbon Fiber Paper for Fuel Cell Application. Japanese Journal of Applied Physics, 2013, 52, 01AK03.	0.8	24
126	Aromatic C-H coupling with hindered arylboronic acids by Pd/Fe dual catalysts. Chemical Science, 2013, 4, 3753.	3.7	140

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127	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
128	Characterization of Nb hydrides synthesized in high-pressure supercritical water by micro-beam hard X-ray photoelectron spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013, 186, 54-57.	0.8	3
129	Surface roughness development on ArF-photoresist studied by beam-irradiation of CF_4 plasma. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 102001.	1.3	9
130	Highly Selective Etching of SiO_2 over Si_3N_4 and Si in Capacitively Coupled Plasma Employing C_5HF_7 Gas. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 016201.	0.8	18
131	Wavelength Dependence of Photon-Induced Interface Defects in Hydrogenated Silicon Nitride/Si Structure during Plasma Etching Processes. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 05ED01.	0.8	12
132	A High-Temperature Nitrogen Plasma Etching for Preserving Smooth and Stoichiometric GaN Surface. <i>Applied Physics Express</i> , 2013, 6, 056201.	1.1	23
133	Field Emissions from Organic Nanorods Armored with Metal Nanoparticles. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 120203.	0.8	2
134	Low-Temperature Single-Walled Carbon Nanotube Growth from Pt Catalyst Using Alcohol Gas Source Method in High Vacuum. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 06GD02.	0.8	15
135	Stabilizing Effect of Mg on the Energetics of the $Li(Ni,Co,Al)O_2$ Cathode Material for Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2013, 160, A302-A305.	1.3	36
136	Development of the sputtering yields of ArF photoresist after the onset of argon ion bombardment. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	3
137	Surface loss probability of H radicals on silicon thin films in SiH_4/H_2 plasma. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	6
138	Supercritical Fluid Deposition of High-Density Nanoparticles of Photocatalytic TiO_2 on Carbon Nanowalls. <i>Applied Physics Express</i> , 2013, 6, 045103.	1.1	10
139	Rapid measurement of substrate temperatures by frequency-domain low-coherence interferometry. <i>Applied Physics Letters</i> , 2013, 103, 182102.	1.5	11
140	Development of High-Density Nitrogen Radical Source for Low Mosaicity and High Rate Growth of InGaN Films in Molecular Beam Epitaxy. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 021001.	0.8	5
141	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
142	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
143	Surface morphology on high-temperature plasma-etched gallium nitride. <i>Transactions of the Materials Research Society of Japan</i> , 2013, 38, 325-328.	0.2	3
144	Growth of Single-Walled Carbon Nanotubes from Pt catalysts by the Alcohol Gas Source Method under Low Ethanol Pressure: Growth Temperature Dependence. <i>Transactions of the Materials Research Society of Japan</i> , 2013, 38, 585-588.	0.2	0

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145	Direct current superposed dual-frequency capacitively coupled plasmas in selective etching of SiOCH over SiC. Journal Physics D: Applied Physics, 2012, 45, 025203.	1.3	27
146	Electron Spin Resonance (ESR) Observation of Radicals on Biological Organism Interacted with Plasmas. Materials Research Society Symposia Proceedings, 2012, 1469, 39.	0.1	0
147	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
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