

# You-Nian Wang

## List of Publications by Year in descending order

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224  
papers

3,358  
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226  
docs citations

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times ranked

1141  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid simulation of instabilities in capacitively coupled RF CF <sub>4</sub> /Ar plasmas. Plasma Sources Science and Technology, 2022, 31, 025006.	1.3	2
2	Nonlinear transmission line (NTL) model study of electromagnetic effects in high-frequency asymmetrically driven capacitive discharges. Physics of Plasmas, 2022, 29, 013508.	0.7	3
3	Permeability enhancement of the KcsA channel under radiation of a terahertz wave. Physical Review E, 2022, 105, 024104.	0.8	9
4	Electron power absorption mode transition in capacitively coupled Ar/CF <sub>4</sub> discharges: hybrid modeling investigation. Journal Physics D: Applied Physics, 2022, 55, 200001.	1.3	1
5	Collisionless magnetized sheath resonance heating induced by a transverse magnetic field in low-pressure capacitive rf discharges. Plasma Sources Science and Technology, 2022, 31, 045011.	1.3	7
6	Power transfer efficiency and the power threshold for E to H mode transition in inductively coupled plasmas. Journal of Applied Physics, 2022, 131, 133301.	1.1	0
7	Striations in dual-low-frequency (2/10 MHz) driven capacitively coupled CF <sub>4</sub> plasmas. Plasma Sources Science and Technology, 2022, 31, 064002.	1.3	4
8	Experimental study on the ignition process of a pulsed capacitively coupled RF discharge: Effects of gas pressure and voltage amplitude. Physics of Plasmas, 2022, 29, .	0.7	5
9	Simulation study of coupled two-stream and current filamentation instability excited by accelerator electron beams in plasmas. Physics of Plasmas, 2022, 29, .	0.7	3
10	Effects of the excited states on electron kinetics and power absorption and dissipation in inductively coupled Ar plasmas. AIP Advances, 2022, 12, 055222.	0.6	1
11	Effects of chamber size on electron bounce-resonance heating and power deposition profile in a finite inductive discharge. Physics of Plasmas, 2022, 29, 063503.	0.7	0
12	Investigation of active species in low-pressure capacitively coupled N <sub>2</sub> /Ar plasmas. Physics of Plasmas, 2021, 28, .	0.7	5
13	Observation of nonlinear sheath oscillations in symmetric capacitive discharges at low pressures. Physics of Plasmas, 2021, 28, 013509.	0.7	9
14	Positive and negative streamer propagation in volume dielectric barrier discharges with planar and porous electrodes. Plasma Processes and Polymers, 2021, 18, 2000234.	1.6	20
15	Hybrid model of radio-frequency low-pressure inductively coupled plasma discharge with self-consistent electron energy distribution and 2D electric field distribution. Plasma Physics and Controlled Fusion, 2021, 63, 035031.	0.9	6
16	Measurement of electronegativity during the E to H mode transition in a radio frequency inductively coupled Ar/O <sub>2</sub> plasma*. Chinese Physics B, 2021, 30, 035202.	0.7	4
17	Nonlinear harmonic excitations in collisional, asymmetrically-driven capacitive discharges. Plasma Sources Science and Technology, 2021, 30, 045017.	1.3	8
18	Spatio-temporal measurements of overshoot phenomenon in pulsed inductively coupled discharge*. Chinese Physics B, 2021, 30, 045202.	0.7	3

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19	The effect of a negative direct-current voltage on striated structures and electrical parameters in a capacitively coupled rf discharge in CF <sub>4</sub> . Plasma Sources Science and Technology, 2021, 30, 055019.	1.3	4
20	Experimental and numerical investigations of the characteristics of electron density in O <sub>2</sub> /Ar pulsed planar-coil-driven inductively coupled plasmas. Physics of Plasmas, 2021, 28, 053510.	0.7	0
21	Hybrid simulation of radio frequency biased inductively coupled Cl <sub>2</sub> plasmas. Physics of Plasmas, 2021, 28, 053512.	0.7	8
22	Collective energy-spectrum broadening of a proton beam in a gas-discharge plasma. Physical Review E, 2021, 103, 063216.	0.8	4
23	Analysis of the chemical network in a volume-production high-current negative hydrogen ion source. Plasma Sources Science and Technology, 2021, 30, 065027.	1.3	1
24	Comprehensive understanding of the ignition process of a pulsed capacitively coupled radio frequency discharge: the effect of power-off duration. Plasma Sources Science and Technology, 2021, 30, 075011.	1.3	15
25	Two-dimensional spatial distribution and production mechanism of H <sup>+</sup> ions in cylindrical inductively coupled H <sub>2</sub> discharges. Physics of Plasmas, 2021, 28, .	0.7	2
26	How to balance computational cost and accuracy of the model for negative hydrogen ion sources? A level-lumping strategy. Plasma Sources Science and Technology, 2021, 30, 075028.	1.3	2
27	Modulation of uniform magnetic field on electron dynamics in low-pressure capacitively coupled plasmas. Plasma Processes and Polymers, 2021, 18, 2100072.	1.6	5
28	Numerical investigation of radio-frequency negative hydrogen ion sources by a three-dimensional fluid model*. Chinese Physics B, 2021, 30, 095205.	0.7	4
29	Temporal evolution of plasma characteristics in synchronized dual-level RF pulsed capacitively coupled discharge. Plasma Sources Science and Technology, 2021, 30, 105018.	1.3	5
30	Resonant sheath heating in weakly magnetized capacitively coupled plasmas due to electron-cyclotron motion. Physical Review E, 2021, 104, 045209.	0.8	25
31	Experimental Investigation of Nonlinear Standing Waves in DC/VHF Hybrid Capacitive Discharges. IEEE Transactions on Plasma Science, 2021, , 1-6.	0.6	0
32	Simulation of nonlinear standing wave excitation in very-high-frequency asymmetric capacitive discharges: roles of radial plasma density profile and rf power. Plasma Sources Science and Technology, 2021, 30, 125017.	1.3	3
33	Fluid simulation of the superimposed dual-frequency source effect in inductively coupled discharges. Physics of Plasmas, 2021, 28, 113504.	0.7	1
34	Radially-dependent ignition process of a pulsed capacitively coupled RF argon plasma over 300 mm-diameter electrodes: multi-fold experimental diagnostics. Plasma Sources Science and Technology, 2021, 30, 125013.	1.3	6
35	Numerical investigation of ion energy and angular distributions in a dc-biased H <sub>2</sub> inductively coupled discharge. Physics of Plasmas, 2020, 27, 093512.	0.7	1
36	How to address the issue of uniformity in large area capacitively coupled plasmas? A modeling investigation. Plasma Sources Science and Technology, 2020, 29, 084003.	1.3	12

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37	Simulations of electromagnetic effects in large-area high-frequency capacitively coupled plasmas with symmetric electrodes: Different axial plasma density profiles. <i>Physics of Plasmas</i> , 2020, 27, 023502.	0.7	8
38	Gamma-ray beam produced by a plasma lens focused electron bunch. <i>Physics of Plasmas</i> , 2020, 27, 023103.	0.7	3
39	Enhanced collective stopping and drift of electron beams in fusion plasmas with heavy-ion species. <i>Physical Review E</i> , 2020, 101, 043203.	0.8	3
40	Investigation of voltage effect on reaction mechanisms in capacitively coupled N <sub>2</sub> discharges. <i>Journal of Applied Physics</i> , 2020, 127, 133301.	1.1	5
41	Suppression of nonlinear standing wave excitation via the electrical asymmetry effect. <i>Plasma Sources Science and Technology</i> , 2020, 29, 124001.	1.3	16
42	Avalanche induced rapid impedance change and electron power absorption during gas breakdown under radio-frequency excitation. <i>Plasma Sources Science and Technology</i> , 2020, 29, 12LT03.	1.3	17
43	Effect of radio frequency bias on plasma characteristics of inductively coupled argon discharge based on fluid simulations*. <i>Chinese Physics B</i> , 2020, 29, 095203.	0.7	3
44	Non-Linear Sheath Oscillation Mechanism in Symmetric Capacitively Coupled Plasma Sheaths. , 2020, , .		0
45	The effects of electron surface interactions in geometrically symmetric capacitive RF plasmas in the presence of different electrode surface materials. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	18
46	Longitudinal magnetic field generation during the early stage of relativistic electron beam-plasma interaction. <i>Physics of Plasmas</i> , 2019, 26, 073104.	0.7	1
47	Convenient analytical solution for vibrational distribution function of molecules colliding with a wall. <i>Plasma Sources Science and Technology</i> , 2019, 28, 10LT01.	1.3	7
48	Modulation of ion beams in two-component plasmas: Three-dimensional particle-in-cell simulation. <i>Physics of Plasmas</i> , 2019, 26, 093104.	0.7	2
49	Complex transients of input power and electron density in pulsed inductively coupled discharges. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	11
50	Secondary electron effect on sustaining capacitively coupled discharges: A hybrid modeling investigation of the ionization rate. <i>AIP Advances</i> , 2019, 9, .	0.6	11
51	Striations in dual-frequency capacitively coupled CF <sub>4</sub> plasmas: the role of the high-frequency voltage amplitude. <i>Plasma Sources Science and Technology</i> , 2019, 28, 075005.	1.3	19
52	Investigation of the power transfer efficiency in a radio-frequency driven negative hydrogen ion source. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	8
53	Interactions of the external charged particle beams with double-layer two-dimensional electron gases separated by insulating medium. <i>Radiation Effects and Defects in Solids</i> , 2019, 174, 19-30.	0.4	4
54	Ion energy and angular distributions in planar Ar/O <sub>2</sub> inductively coupled plasmas: hybrid simulation and experimental validation. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 295204.	1.3	9

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55	Observation of Nonlinear Standing Waves Excited by Plasma-Series-Resonance-Enhanced Harmonics in Capacitive Discharges. <i>Physical Review Letters</i> , 2019, 122, 185002.	2.9	38
56	Fluid simulation of the plasma uniformity in pulsed dual frequency inductively coupled plasma. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	12
57	Disruption of self-organized striated structure induced by secondary electron emission in capacitive oxygen discharges. <i>Plasma Sources Science and Technology</i> , 2019, 28, 055007.	1.3	23
58	Experimental investigation of the electron impact excitation behavior in pulse-modulated radio frequency Ar/O <sub>2</sub> inductively coupled plasma. <i>Journal of Applied Physics</i> , 2019, 125, 023303.	1.1	12
59	Experimental investigation of mode transitions in asymmetric capacitively coupled radio-frequency Ne and CF <sub>4</sub> plasmas. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	11
60	Phase shift effects of radio-frequency bias on ion energy distribution in continuous wave and pulse modulated inductively coupled plasmas. <i>Chinese Physics B</i> , 2018, 27, 045202.	0.7	8
61	Experimental and numerical investigations of electron characteristics in 2â€‰MHz and 13.56â€‰MHz inductively coupled hydrogen plasmas with an expansion region. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	19
62	Plasma characteristics in an electrically asymmetric capacitive discharge sustained by multiple harmonics: operating in the very high frequency regime. <i>Plasma Sources Science and Technology</i> , 2018, 27, 055003.	1.3	13
63	Benchmarking and validation of global model code for negative hydrogen ion sources. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	24
64	Comparative measurement of plasma potential with tube probe and Langmuir probe. <i>AIP Advances</i> , 2018, 8, .	0.6	4
65	Modulation of proton beams by relativistic electron beam-plasma instability. <i>Physics of Plasmas</i> , 2018, 25, 102104.	0.7	3
66	A new B-dot probe circuit for magnetic diagnostics of radio frequency discharges. <i>Review of Scientific Instruments</i> , 2018, 89, 105104.	0.6	2
67	Two-dimensional fluid simulation of a radio frequency capacitively coupled plasma in SiH <sub>4</sub> /N <sub>2</sub> /O <sub>2</sub> . <i>Physics of Plasmas</i> , 2018, 25, 093501.	0.7	2
68	Experimental investigation of standing wave effect in dual-frequency capacitively coupled argon discharges: role of a low-frequency source. <i>Plasma Sources Science and Technology</i> , 2018, 27, 055017.	1.3	20
69	A comparative study of emissive probe techniques for vacuum space potential measurements. <i>Vacuum</i> , 2018, 155, 566-571.	1.6	8
70	A global model study of the population dynamics of molecular hydrogen and the generation of negative hydrogen ions in low-pressure ICP discharge with an expansion region: effects of EEPF. <i>Plasma Sources Science and Technology</i> , 2018, 27, 075006.	1.3	6
71	Effects of secondary electron emission on plasma density and electron excitation dynamics in dual-frequency asymmetric capacitively coupled argon plasmas. <i>Plasma Sources Science and Technology</i> , 2018, 27, 064004.	1.3	12
72	Observation of the standing wave effect in large-area, very-high-frequency capacitively coupled plasmas by using a fiber Bragg grating sensor. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	9

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73	Ion Energy and Angular Distribution in Biased Inductively Coupled Ar/O <sub>2</sub> Discharges by Using a Hybrid Model. <i>Plasma Processes and Polymers</i> , 2017, 14, 1600100.	1.6	14
74	Two-dimensional fluid simulation on transient behavior and plasma uniformity in pulsed RF CCP sustained in SiH <sub>4</sub> /N <sub>2</sub> /O <sub>2</sub> . <i>Journal Physics D: Applied Physics</i> , 2017, 50, 165206.	1.3	3
75	Fluid simulation of the pulsed bias effect on inductively coupled nitrogen discharges for low-voltage plasma immersion ion implantation. <i>Chinese Physics B</i> , 2017, 26, 015201.	0.7	3
76	Striations in electronegative capacitively coupled radio-frequency plasmas: analysis of the pattern formation and the effect of the driving frequency. <i>Plasma Sources Science and Technology</i> , 2017, 26, 055024.	1.3	24
77	Experimental and numerical investigations on time-resolved characteristics of pulsed inductively coupled O <sub>2</sub> /Ar plasmas. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, .	0.9	16
78	A nonlinear electromagnetics model of an asymmetrically-driven, low pressure capacitive discharge. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	21
79	Interactions of moving charged particles with triple-walled carbon nanotubes. <i>European Physical Journal D</i> , 2017, 71, 1.	0.6	1
80	Fluid simulation of species concentrations in capacitively coupled N <sub>2</sub> /Ar plasmas: Effect of gas proportion. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	8
81	Striations in electronegative capacitively coupled radio-frequency plasmas: Effects of the pressure, voltage, and electrode gap. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	26
82	Spatial distributions of plasma parameters in inductively coupled hydrogen discharges with an expansion region. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	15
83	Two-dimensional particle-in-cell simulations of standing waves and wave-induced hysteresis in asymmetric capacitive discharges. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 495201.	1.3	15
84	Double-ring structure formation of intense ion beams with finite radius in a pre-formed plasma. <i>Physics of Plasmas</i> , 2017, 24, 123103.	0.7	6
85	Automatic emissive probe apparatus for efficient plasma potential measurements. <i>Review of Scientific Instruments</i> , 2017, 88, 115106.	0.6	6
86	Hybrid simulation of electron energy distributions and plasma characteristics in pulsed RF CCP sustained in Ar and SiH <sub>4</sub> /Ar discharges. <i>Physics of Plasmas</i> , 2017, 24, 113503.	0.7	13
87	Nonlocal electron kinetics and spatial transport in radio-frequency two-chamber inductively coupled plasmas with argon discharges. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	25
88	Nonlinear series resonance and standing waves in dual-frequency capacitive discharges. <i>Plasma Sources Science and Technology</i> , 2017, 26, 015007.	1.3	28
89	A hybrid model of radio frequency biased inductively coupled plasma discharges: description of model and experimental validation in argon. <i>Plasma Sources Science and Technology</i> , 2016, 25, 045009.	1.3	22
90	Hollow structure formation of intense ion beams with sharp edge in background plasmas. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	6

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91	Experimental investigations of the plasma radial uniformity in single and dual frequency capacitively coupled argon discharges. <i>Physics of Plasmas</i> , 2016, 23, 123512.	0.7	14
92	F-atom kinetics in SF <sub>6</sub> /Ar inductively coupled plasmas. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016, 34, .	0.9	12
93	Harmonic plasma waves excitation and structure evolution of intense ion beams in background plasmas. <i>Physics of Plasmas</i> , 2016, 23, 083118.	0.7	1
94	Determination of neutral temperature using fiber Bragg grating sensor in capacitively coupled argon plasmas. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	8
95	Hybrid simulations of solenoidal radio-frequency inductively coupled hydrogen discharges at low pressures. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	20
96	Experimental Observation and Computational Analysis of Striations in Electronegative Capacitively Coupled Radio-Frequency Plasmas. <i>Physical Review Letters</i> , 2016, 116, 255002.	2.9	63
97	Improved inflection point method of emissive probe for accurate measurement of plasma potential. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016, 34, .	0.9	13
98	Electromagnetic effects in high-frequency large-area capacitive discharges: A review. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2015, 33, .	0.9	24
99	Heating mode transition in capacitively coupled CF <sub>4</sub> discharges: comparison of experiments with simulations. <i>Plasma Sources Science and Technology</i> , 2015, 24, 034006.	1.3	30
100	Equivalent circuit effects on mode transitions in H <sub>2</sub> inductively coupled plasmas. <i>Physics of Plasmas</i> , 2015, 22, 043508.	0.7	10
101	Modulations of the plasma uniformity by low frequency sources in a large-area dual frequency inductively coupled plasma based on fluid simulations. <i>Physics of Plasmas</i> , 2015, 22, 053508.	0.7	15
102	Experimental diagnostics of plasma radial uniformity and comparisons with computational simulations in capacitive discharges. <i>Plasma Sources Science and Technology</i> , 2015, 24, 025013.	1.3	25
103	Characterization of O <sub>2</sub> /Ar inductively coupled plasma studied by using a Langmuir probe and global model. <i>Plasma Sources Science and Technology</i> , 2015, 24, 025035.	1.3	26
104	Fluid simulation and experimental validation of plasma radial uniformity in 60 MHz capacitively coupled nitrogen discharges. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	9
105	Fluid simulation of the bias effect in inductive/capacitive discharges. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2015, 33, .	0.9	21
106	Plasmon excitation in metal slab by fast point charge: The role of additional boundary conditions in quantum hydrodynamic model. <i>Physics of Plasmas</i> , 2014, 21, 102114.	0.7	31
107	Absolute CF <sub>2</sub> density and gas temperature measurements by absorption spectroscopy in dual-frequency capacitively coupled CF <sub>4</sub> /Ar plasmas. <i>Physics of Plasmas</i> , 2014, 21, 103501.	0.7	10
108	Experimental observation of standing wave effect in low-pressure 200 MHz capacitive discharges. , 2014, , .		0

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109	Experimental observation of standing wave effect in low-pressure very-high-frequency capacitive discharges. <i>Journal of Applied Physics</i> , 2014, 116, 043303.	1.1	24
110	Heating mode transition in a hybrid direct current/dual-frequency capacitively coupled CF <sub>4</sub> discharge. <i>Journal of Applied Physics</i> , 2014, 115, 223302.	1.1	20
111	Phase modulation in pulsed dual-frequency capacitively coupled plasmas. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	21
112	Electron self-injection in the proton-driven-plasma-wakefield acceleration. , 2014, , .		0
113	Effect of reactant transport on the trench profile evolution for silicon etching in chlorine plasmas. <i>Vacuum</i> , 2014, 99, 180-188.	1.6	12
114	Channeling of protons in single-walled carbon nanotubes based on kinetic and molecular-dynamics treatment. <i>Carbon</i> , 2014, 71, 196-205.	5.4	10
115	Current neutralization and plasma polarization for intense ion beams propagating through magnetized background plasmas in a two-dimensional slab approximation. <i>Frontiers of Physics</i> , 2014, 9, 226-233.	2.4	9
116	Interactions of charged particle beams with double-layered two-dimensional quantum electron gases. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1626-1631.	0.9	8
117	Experimental investigations of electron density and ion energy distributions in dual-frequency capacitively coupled plasmas for Ar/CF <sub>4</sub> and Ar/O <sub>2</sub> /CF <sub>4</sub> discharges. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	13
118	Study on feature profile evolution for chlorine etching of silicon in an RF biased sheath. <i>Vacuum</i> , 2013, 89, 197-202.	1.6	11
119	Effects of reactor geometry and frequency coupling on dual-frequency capacitively coupled plasmas. <i>Plasma Sources Science and Technology</i> , 2013, 22, 055007.	1.3	14
120	Electron bounce resonance heating in dual-frequency capacitively coupled oxygen discharges. <i>Plasma Sources Science and Technology</i> , 2013, 22, 025012.	1.3	15
121	Gas ratio effects on the Si etch rate and profile uniformity in an inductively coupled Ar/CF <sub>4</sub> plasma. <i>Plasma Sources Science and Technology</i> , 2013, 22, 015017.	1.3	16
122	Mode transition in CF <sub>4</sub> +Ar inductively coupled plasma. <i>Physics of Plasmas</i> , 2013, 20, 123513.	1.3	20
123	Spectroscopy diagnostic of dual-frequency capacitively coupled CHF <sub>3</sub> /Ar plasma. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	4
124	Wake Effects in Ion Transport through Carbon Nanotubes. <i>Chinese Physics Letters</i> , 2013, 30, 096103.	1.3	5
125	Modulation of continuous ion beams with low drift velocity by induced wakefield in background plasmas. <i>Laser and Particle Beams</i> , 2013, 31, 135-140.	0.4	8
126	Simulations of interactions of high-energy proton beam with high dense matter based on two-dimensional quantum hydrodynamic model. <i>Laser and Particle Beams</i> , 2013, 31, 345-351.	0.4	5



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127	Experimental and numerical investigations of electron density in low-pressure dual-frequency capacitively coupled oxygen discharges. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2013, 31, 061308.	0.9	11
128	Heating mechanism in direct current superposed single-frequency and dual-frequency capacitively coupled plasmas. <i>Plasma Sources Science and Technology</i> , 2013, 22, 025014.	1.3	14
129	Changes of the electron dynamics in hydrogen inductively coupled plasma. <i>Chinese Physics B</i> , 2013, 22, 115205.	0.7	6
130	Measurements of ion energy distributions in a dual-frequency capacitively coupled plasma for Ar/O <sub>2</sub> discharges. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 235202.	1.3	13
131	Fluid simulation of the phase-shift effect in hydrogen capacitively coupled plasmas: II. Radial uniformity of the plasma characteristics. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 015203.	1.3	19
132	Influence of a strong laser field on Coulomb explosion and stopping power of energetic H <sub>3</sub> <sup>+</sup> clusters in plasmas. <i>Physics of Plasmas</i> , 2012, 19, 093116.	0.7	2
133	Fluid simulation of the phase-shift effect in hydrogen capacitively coupled plasmas: I. Transient behaviour of electrodynamic and power deposition. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 015202.	1.3	18
134	Fluid simulation of the phase-shift effect in Ar/CF <sub>4</sub> capacitively coupled plasmas. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 485204.	1.3	14
135	The effect of F <sub>2</sub> attachment by low-energy electrons on the electron behaviour in an Ar/CF <sub>4</sub> inductively coupled plasma. <i>Plasma Sources Science and Technology</i> , 2012, 21, 025008.	1.3	23
136	Fluid simulation of the electromagnetic effects and the phase shift effect in Ar/CF <sub>4</sub> capacitively coupled plasmas. , 2012, , .		0
137	Time evolution and energy deposition for ion clusters injected into magnetized two-component plasmas. <i>Physical Review E</i> , 2012, 85, 016402.	0.8	11
138	Two-dimensional quantum hydrodynamic model for the heating of a solid target using a Gaussian cluster. <i>Laser and Particle Beams</i> , 2012, 30, 671-677.	0.4	2
139	Experimental study of hybrid capacitively/inductively coupled discharges. , 2012, , .		0
140	Influence of a strong laser field on the Coulomb explosion and the stopping power of fast C <sub>60</sub> clusters in plasmas. <i>Physical Review A</i> , 2012, 86, .	1.0	5
141	An overview of diagnostic methods of low-pressure capacitively coupled plasmas. <i>Thin Solid Films</i> , 2012, 521, 141-145.	0.8	4
142	Interactions of ion beams with dense plasmas using hybrid simulations. , 2012, , .		0
143	Experimental validation and simulation of collisionless bounce-resonance heating in capacitively coupled radio-frequency discharges. <i>Plasma Sources Science and Technology</i> , 2012, 21, 035010.	1.3	21
144	Effect of bulk electric field reversal on the bounce resonance heating in dual-frequency capacitively coupled electronegative plasmas. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	36

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145	Influence of dual-frequency source powers on ion density and electron temperature in capacitively-coupled argon plasma. <i>Vacuum</i> , 2012, 86, 881-884.	1.6	9
146	Wake potential and stopping power for a charged particle moving outside a nanosphere. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 763-767.	0.9	3
147	Phase-shift effects on growth and transport of dust particles in VHF capacitively coupled silane discharges: Two dimensional fluid simulation. <i>Physics of Plasmas</i> , 2011, 18, 083508.	0.7	3
148	Numerical simulations of electrical asymmetry effect on electronegative plasmas in capacitively coupled rf discharge. <i>Journal of Applied Physics</i> , 2011, 109, 013308.	1.1	41
149	Implicit and electrostatic particle-in-cell/Monte Carlo model in two-dimensional and axisymmetric geometry: II. Self-bias voltage effects in capacitively coupled plasmas. <i>Plasma Sources Science and Technology</i> , 2011, 20, 035013.	1.3	53
150	Study of the dust removal efficiency in capacitively coupled plasmas with annular electrodes. <i>Current Applied Physics</i> , 2011, 11, S131-S134.	1.1	0
151	A brief review of dual-frequency capacitively coupled discharges. <i>Current Applied Physics</i> , 2011, 11, S2-S8.	1.1	35
152	Spatially resolved measurements of ion density and electron temperature in a dual-frequency capacitively coupled plasma by complete floating double probe technique. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2011, 29, .	0.9	23
153	Collisionless Bounce Resonance Heating in Dual-Frequency Capcitively Coupled Plasmas. <i>Physical Review Letters</i> , 2011, 107, 055002.	2.9	101
154	Energy dissipation of ion beam in two-component plasma in the presence of laser irradiation. <i>Laser and Particle Beams</i> , 2011, 29, 299-304.	0.4	10
155	Fluid simulations of frequency effects on nonlinear harmonics in inductively coupled plasma. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	18
156	Stopping power for a charged particle moving through three-dimensional nonideal finite-temperature electron gases. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	6
157	Nonlinear wake potential and stopping power for charged particles interacting with a one-dimensional electron gas. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	9
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