

# Jiting Ouyang

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

549  
citations

687363  
13  
h-index

794594  
19  
g-index

76  
all docs

76  
docs citations

76  
times ranked

459  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of double layer in argon helicon plasma and magnetized DC discharge plasma. Plasma Science and Technology, 2022, 24, 035401.	1.5	0
2	Experiments on plasma dynamics of electrical wire explosion in air. High Voltage, 2022, 7, 117-136.	4.7	22
3	Mechanisms of atmospheric pressure plasma protection of neuronal cells under simulated ischemic stroke conditions. AIP Advances, 2022, 12, .	1.3	3
4	Inhalation of Atmospheric-Pressure Gas Plasma Attenuates Brain Infarction in Rats With Experimental Ischemic Stroke. Frontiers in Neuroscience, 2022, 16, 875053.	2.8	0
5	Microwave propagation along nonuniform plasma column as surface plasmon. Physics of Plasmas, 2022, 29, 063505.	1.9	0
6	Study on the characteristics of helium plasma jet by pulsed micro-hollow cathode discharge. Plasma Sources Science and Technology, 2021, 30, 025001.	3.1	7
7	Influence of nitrogen and oxygen admixture on the development of helium atmospheric-pressure plasma jet. Journal of Applied Physics, 2021, 129, .	2.5	12
8	A Micro-plasma Device for Neuroprotection and Its Characteristics. , 2021, , .		0
9	Morphology and Radiation Characteristics of Blue Core in Argon Helicon Plasma Discharge. , 2021, , .		0
10	Dynamics of plasma bullets by nanosecond pulsed micro-hollow cathode discharge within air. Plasma Science and Technology, 2021, 23, 085401.	1.5	1
11	Influence of neutral depletion on blue core in argon helicon plasma. Physics of Plasmas, 2021, 28, .	1.9	15
12	Electrical explosion across gas-liquid interface: Aerosol breakdown, shock waves, and cavity dynamics. Physics of Fluids, 2021, 33, 077115.	4.0	8
13	“Breakdown” of stratified electrical explosion products: Plasma development and its mechanical effect. Physics of Fluids, 2021, 33, .	4.0	9
14	Striations in helicon-type argon plasma. Physics of Plasmas, 2021, 28, .	1.9	4
15	Effect of magnetic field on double layer in argon helicon plasma. High Voltage, 2021, 6, 358-365.	4.7	2
16	Diagnosis of helicon plasma by local OES. Plasma Sources Science and Technology, 2020, 29, 015018.	3.1	26
17	Beam Plasma Characteristics of a Helicon Plasma Source Measured by a Spatially Resolved Optical Emission Spectroscopy. IEEE Transactions on Plasma Science, 2020, 48, 2487-2494.	1.3	4
18	Experiments on the characteristics of underwater electrical wire explosions for reservoir stimulation. Matter and Radiation at Extremes, 2020, 5, .	3.9	28

#	ARTICLE	IF	CITATIONS
19	Spatial-temporal evolution of plasma radiation in electrical wire explosion: a morphological observation. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 345201.	2.8	14
20	Synthesis and performance characterization of an efficient coal dust suppressant for synergistic combustion with coal dust. <i>Journal of Environmental Management</i> , 2020, 269, 110854.	7.8	13
21	Atmospheric pressure plasma treatments protect neural cells from ischemic stroke-relevant injuries by targeting mitochondria. <i>Plasma Processes and Polymers</i> , 2020, 17, 2000063.	3.0	6
22	Effects of water states on the process of underwater electrical wire explosion under micro-second timescale pulsed discharge. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	6
23	Characteristics of inductively coupled plasma (ICP) and helicon plasma in a single-loop antenna. <i>Plasma Science and Technology</i> , 2020, 22, 085405.	1.5	6
24	Optical emission and quenching process of a Cu wire explosion: a spectroscopy study. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 225202.	2.8	5
25	The influence of defects in a plasma photonic crystal on the characteristics of microwave transmittance. <i>Plasma Science and Technology</i> , 2020, 22, 085002.	1.5	0
26	N doped ZnO (N:ZnO) film prepared by reactive HiPIMS deposition technique. <i>AIP Advances</i> , 2020, 10, .	1.3	7
27	Preparation of an Intelligent Oleophobic Hydrogel and Its Application in the Replacement of Locally Damaged Oil Pipelines. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 52018-52027.	8.0	4
28	Effects of electrode gap on radio-frequency discharge characteristics with a hollow electrode. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	7
29	Influence of Magnet on Helium Atmospheric Pressure Plasma Jet. , 2020, , .		1
30	Study on Ionic Wind of Bipolar Corona and Its Sterilization Effect. , 2020, , .		0
31	Multimethods and Underlying Mechanism for Realizing Uniform Discharge From Patterned Structures by Varying Controlling Parameters. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 2645-2651.	1.3	2
32	Observation of striations in RF hollow electrode discharge in argon. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	5
33	New Design of Ion Blower Based on Needle-Dielectric-Needle Bipolar Corona Discharge. <i>IEEE Access</i> , 2019, 7, 129192-129199.	4.2	2
34	Plasma medicine for neuroscience-an introduction. <i>Chinese Neurosurgical Journal</i> , 2019, 5, 25.	0.9	15
35	Numerical Simulation on Microwave Transmission Properties of 1-D Periodic Super-Lattice Plasma Photonic Crystals With a Finite-Difference Time-Domain Method. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 3168-3175.	1.3	2
36	Transition of predominant mechanism for the deviation of micro-gap dc gas breakdown character with electrode gap changing. <i>AIP Advances</i> , 2019, 9, .	1.3	7

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37	Axial profiles of argon helicon plasma by optical emission spectroscopy and Langmuir probe. <i>Plasma Science and Technology</i> , 2019, 21, 074009.	1.5	14
38	Cytoprotective effect of atmospheric pressure helium plasma on oxygen and glucose deprivation-induced cell death in H9C2 cardiac myoblasts and primary neonatal rat cardiomyocytes. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 135401.	2.8	5
39	Discharge characteristics of a needle-to-plate electrode at a micro-scale gap. <i>Plasma Science and Technology</i> , 2018, 20, 054017.	1.5	7
40	Numerical study of the influence of dielectric tube on propagation of atmospheric pressure plasma jet based on coplanar dielectric barrier discharge. <i>Plasma Science and Technology</i> , 2018, 20, 054010.	1.5	4
41	Comparison between Trichel pulse in negative corona and self-pulsing in other configurations. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	13
42	Cytoprotective effects of atmospheric-pressure plasmas against hypoxia-induced neuronal injuries. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 085401.	2.8	9
43	Study of axial double layer in helicon plasma by optical emission spectroscopy and simple probe. <i>Plasma Science and Technology</i> , 2018, 20, 075402.	1.5	12
44	Development from dielectric barrier discharge to atmospheric pressure plasma jet in helium: experiment and fluid modeling. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 405202.	2.8	18
45	Nonlinear phenomena in dielectric barrier discharges: pattern, striation and chaos. <i>Plasma Science and Technology</i> , 2018, 20, 103002.	1.5	37
46	Protective effect of atmospheric pressure plasma on oxidative stress-induced neuronal injuries: an <i>in vitro</i> study. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 095401.	2.8	8
47	Effect of external electric and magnetic field on propagation of atmospheric pressure plasma jet. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	17
48	New Application of an Atmospheric Pressure Plasma Jet as a Neuro-protective Agent Against Glucose Deprivation-induced Injury of SH-SY5Y Cells. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	3
49	Ion source for IMS based on wire-to-plate corona discharge. <i>European Physical Journal: Special Topics</i> , 2017, 226, 2955-2964.	2.6	2
50	Trichel pulse in various gases and the key factor for its formation. <i>Scientific Reports</i> , 2017, 7, 10135.	3.3	29
51	The discharge characteristics in nitrogen helicon plasma. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	19
52	Time-resolved analysis and optical diagnostics of Trichel corona in atmospheric air. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 245206.	2.8	21
53	Microwaves Scattering by Underdense Inhomogeneous Plasma Column. <i>Plasma Science and Technology</i> , 2016, 18, 266-272.	1.5	13
54	Striated Structure of Constricted Discharges in Coplanar Dielectric Barrier Discharge in Neon. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 2374-2375.	1.3	2

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55	Electrical characteristics and formation mechanism of atmospheric pressure plasma jet. Applied Physics Letters, 2014, 104, .	3.3	22
56	Behavior of Atmospheric Pressure Plasma Jet in External Electric Field. IEEE Transactions on Plasma Science, 2014, 42, 2494-2495.	1.3	8
57	Self-pulsing operating mode of hollow cathode discharge in noble gas. Physics of Plasmas, 2012, 19, 023504.	1.9	15
58	Formation of striations in large-gap coplanar dielectric barrier discharge. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2057-2061.	2.1	7
59	Prediction of atmospheric pressure glow discharge in dielectric-barrier system. Applied Physics Letters, 2010, 96, 231502.	3.3	9
60	Simulation of striation in large-gap coplanar plasma display panels. Physics of Plasmas, 2010, 17, .	1.9	10
61	Discharge and post-explosion behaviors of electrical explosion of conductors from a single wire to planar wire array. Plasma Science and Technology, 0, , .	1.5	1
62	Study on electrostatic discharge (ESD) characteristics of ultra-thin dielectric film. Plasma Science and Technology, 0, , .	1.5	0