

# Yun Wu

## List of Publications by Year in descending order

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34  
papers

527  
citations

840776

11  
h-index

677142

22  
g-index

35  
all docs

35  
docs citations

35  
times ranked

345  
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of the corner separation in a compressor cascade by steady and unsteady plasma aerodynamic actuation. <i>Experiments in Fluids</i> , 2010, 48, 1015-1023.	2.4	86
2	New layer-structured ferroelectric polycrystalline materials, $\text{Na}_{0.5}\text{Nd}_x\text{Bi}_{4.5-x}\text{Ti}_4\text{O}_{15}$ : crystal structures, electrical properties and conduction behaviors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8852-8864.	5.5	60
3	Influence of operating pressure on surface dielectric barrier discharge plasma aerodynamic actuation characteristics. <i>Applied Physics Letters</i> , 2008, 93, 031503.	3.3	51
4	Experimental Investigation into Characteristics of Plasma Aerodynamic Actuation Generated by Dielectric Barrier Discharge. <i>Chinese Journal of Aeronautics</i> , 2010, 23, 39-45.	5.3	51
5	Effect of the streamwise pulsed arc discharge array on shock wave/boundary layer interaction control. <i>Physics of Fluids</i> , 2020, 32, .	4.0	38
6	Performance and mechanism analysis of nanosecond pulsed surface dielectric barrier discharge based plasma deicer. <i>Physics of Fluids</i> , 2019, 31, .	4.0	34
7	Optical emission characteristics of surface nanosecond pulsed dielectric barrier discharge plasma. <i>Journal of Applied Physics</i> , 2013, 113, 033303.	2.5	24
8	Effect of parallel magnetic field on repetitively unipolar nanosecond pulsed dielectric barrier discharge under different pulse repetition frequencies. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	23
9	Experimental investigation on compression ramp shock wave/boundary layer interaction control using plasma actuator array. <i>Physics of Fluids</i> , 2021, 33, .	4.0	23
10	Experimental Study on Anti-Icing Performance of NS-DBD Plasma Actuator. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1889.	2.5	22
11	Radar Chart for Estimation Performance Evaluation. <i>IEEE Access</i> , 2019, 7, 113880-113888.	4.2	16
12	N-Decane Reforming by Gliding Arc Plasma in Air and Nitrogen. <i>Plasma Chemistry and Plasma Processing</i> , 2020, 40, 1429-1443.	2.4	11
13	PI/Al <sub>2</sub> O <sub>3</sub> nanocomposite based long lifetime surface dielectric barrier discharge plasma actuator. <i>Sensors and Actuators A: Physical</i> , 2017, 267, 90-98.	4.1	10
14	Effects of material degradation on electrical and optical characteristics of surface dielectric barrier discharge. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	10
15	Characterization of surface dielectric barrier discharge (SDBD) based on PI/Al <sub>2</sub> O <sub>3</sub> nanocomposite. <i>Plasma Processes and Polymers</i> , 2018, 15, 1700236.	3.0	9
16	Enduring and Stable Surface Dielectric Barrier Discharge (SDBD) Plasma Using Fluorinated Multi-Layered Polyimide. <i>Polymers</i> , 2018, 10, 606.	4.5	6
17	Investigation of endwall flow behavior with plasma flow control on a highly loaded compressor cascade. <i>Journal of Thermal Science</i> , 2012, 21, 295-301.	1.9	5
18	A Novel Way to Enhance the Spark Plasma-Assisted Ignition for an Aero-Engine Under Low Pressure. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1533.	2.5	5

#	ARTICLE	IF	CITATIONS
19	Investigation of rotating detonation fueled by pre-combustion cracked kerosene under different channel widths. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2021, 235, 1023-1035.	1.3	5
20	Effects of fuel decomposition and stratification on the forced ignition of a static flammable mixture. Combustion Theory and Modelling, 2021, 25, 813-831.	1.9	5
21	Flow Control Effect of Spanwise Distributed Pulsed Arc Discharge Plasma Actuation on Supersonic Compressor Cascade Flow. Journal of Thermal Science, 2022, 31, 1723-1733.	1.9	4
22	Tailoring electric field signals of nonequilibrium discharges by the deep learning method and physical corrections. Plasma Processes and Polymers, 2022, 19, .	3.0	4
23	Experimental Investigation on Plasma Aerodynamic Actuator's Emission Spectrum Characteristic. , 2008, , .		3
24	Experimental Investigation of the Plasma Aerodynamic Actuation Generated by Nanosecond-pulse Sliding Discharge. , 2011, , .		3
25	Topological analysis of plasma flow control on corner separation in a highly loaded compressor cascade. Acta Mechanica Sinica/Lixue Xuebao, 2012, 28, 1277-1286.	3.4	3
26	Analytic Model and the Influence of Actuator Number on the Performance of Plasma Synthetic Jet Actuator Array. Applied Sciences (Switzerland), 2018, 8, 1534.	2.5	3
27	Experimental Investigation on High-Altitude Ignition and Ignition Enhancement by Multi-Channel Plasma Igniter. Plasma Chemistry and Plasma Processing, 2021, 41, 1435-1454.	2.4	3
28	Corner Separation Control in a Highly Loaded Compressor Cascade Using Plasma Aerodynamic Actuation. , 2012, , .		2
29	Study on the spark discharge plasma jet driven by nanosecond pulses. , 2013, , .		2
30	Driving mechanism of drift-step-recovery diodes. Review of Scientific Instruments, 2021, 92, 084702.	1.3	2
31	Experimental Study on Combustion Efficiency and Gas Analysis of RDC with Different Blockage Ratio. Combustion Science and Technology, 0, , 1-20.	2.3	2
32	Combustion Products Analysis of Large-scale Kerosene/air Rotating Detonation Combustor. Combustion Science and Technology, 2023, 195, 2510-2522.	2.3	1
33	Influence of excitation voltage waveform on dielectric barrier discharge plasma aerodynamic actuation characteristics. International Journal of Applied Electromagnetics and Mechanics, 2010, 33, 1405-1410.	0.6	0
34	Investigating Rotating Detonation Mode Fueled by Precombustion Cracking Gas. Journal of Propulsion and Power, 0, , 1-9.	2.2	0