

# Jian Wei Mark Lim

## List of Publications by Year in descending order

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papers

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citations

933447

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839539

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docs citations

24  
times ranked

475  
citing authors

#	ARTICLE	IF	CITATIONS
1	Miniaturized rotating magnetic field-driven plasma system: proof-of-concept experiments. Plasma Sources Science and Technology, 2021, 30, 065003.	3.1	7
2	Enhancement of discharge properties of atmospheric pressure plasma systems through trace radio-frequency oscillation control. Plasma Sources Science and Technology, 2021, 30, 075018.	3.1	3
3	Selective modulation of plasma parameters in an atmospheric dielectric barrier discharge driven by sawtooth-type tailored voltage waveforms. Physics of Plasmas, 2020, 27, 063519.	1.9	3
4	MoS <sub>2</sub> -based nanostructures: synthesis and applications in medicine. Journal Physics D: Applied Physics, 2019, 52, 183001.	2.8	53
5	Numerical studies on plasma parameter modulation of atmospheric pressure dielectric barrier discharge via 200 kHz/13.56 MHz dual-frequency excitation. Physics of Plasmas, 2019, 26, .	1.9	8
6	Comparison of sintering condition and radio frequency plasma discharge on the conversion of coal/biomass fly ash into high-temperature thermal energy storage material. Energy Conversion and Management, 2019, 192, 180-187.	9.2	10
7	Plasma parameters and discharge characteristics of lab-based krypton-propelled miniaturized Hall thruster. Plasma Sources Science and Technology, 2019, 28, 064003.	3.1	21
8	Ionization asymmetry effects on the properties modulation of atmospheric pressure dielectric barrier discharge sustained by tailored voltage waveforms. Physics of Plasmas, 2018, 25, 043502.	1.9	11
9	High-Efficiency Inductively Coupled Plasma Source With Dual Antenna Hybrid Scheme. IEEE Transactions on Plasma Science, 2018, 46, 954-961.	1.3	3
10	Hall Thrusters With Permanent Magnets: Current Solutions and Perspectives. IEEE Transactions on Plasma Science, 2018, 46, 239-251.	1.3	10
11	Precise Calibration of Propellant Flow and Forces in Specialized Electric Propulsion Test System. IEEE Transactions on Plasma Science, 2018, 46, 338-344.	1.3	5
12	Miniaturized Plasma Sources: Can Technological Solutions Help Electric Micropropulsion?. IEEE Transactions on Plasma Science, 2018, 46, 230-238.	1.3	13
13	Automated Integrated Robotic Systems for Diagnostics and Test of Electric and Micropropulsion Thrusters. IEEE Transactions on Plasma Science, 2018, 46, 345-353.	1.3	12
14	Development and Calibration of a Variable Range Stand for Testing Space Micropropulsion Thrusters. IEEE Transactions on Plasma Science, 2018, 46, 289-295.	1.3	3
15	Oxygen plasmas: a sharp chisel and handy trowel for nanofabrication. Nanoscale, 2018, 10, 17494-17511.	5.6	43
16	Ultra-low reflective black silicon photovoltaics by high density inductively coupled plasmas. Solar Energy, 2018, 171, 841-850.	6.1	12
17	Formation of vertically oriented graphenes: what are the key drivers of growth?. 2D Materials, 2018, 5, 044002.	4.4	31
18	From nanometre to millimetre: a range of capabilities for plasma-enabled surface functionalization and nanostructuring. Materials Horizons, 2018, 5, 765-798.	12.2	49

#	ARTICLE	IF	CITATIONS
19	Highly tunable electronic properties in plasma-synthesized B-doped microcrystalline-to-amorphous silicon nanostructure for solar cell applications. <i>Journal of Applied Physics</i> , 2017, 122, 133112.	2.5	1
20	Electron heating and mode transition in dual frequency atmospheric pressure argon dielectric barrier discharge. <i>AIP Advances</i> , 2017, 7, 105313.	1.3	13
21	Ultra-Low Reflective Silicon Surfaces for Photovoltaic Applications. <i>Procedia Engineering</i> , 2016, 139, 147-154.	1.2	2
22	High Quality Hydrogenated Amorphous Silicon Thin Films with Enhanced Growth Rates for Surface Passivation in an Al <sub>2</sub> O <sub>3</sub> Based ICP Reactor. <i>Procedia Engineering</i> , 2016, 139, 56-63.	1.2	3
23	Scalable Production of Silicon Nanocone Solar Cells in Integrated Plasma Photovoltaic Nanofabrication Cluster. <i>Plasma Processes and Polymers</i> , 2016, 13, 161-169.	3.0	5
24	The effect of dielectric top lids on materials processing in a low frequency inductively coupled plasma (LF-ICP) reactor. <i>International Journal of Modern Physics Conference Series</i> , 2014, 32, 1460340.	0.7	0