

# Choon-Sang Park

## List of Publications by Year in descending order

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68  
papers

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citations

840776

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of poly(pyrrole-co-aniline) copolymer using atmospheric pressure plasma polymerization. <i>Molecular Crystals and Liquid Crystals</i> , 2022, 733, 103-113.	0.9	3
2	Characteristics of polyaniline nanoparticles prepared by electrochemical solution plasma process for flexible devices. <i>Molecular Crystals and Liquid Crystals</i> , 2022, 733, 114-124.	0.9	2
3	Improvement of Nanostructured Polythiophene Film Uniformity Using a Cruciform Electrode and Substrate Rotation in Atmospheric Pressure Plasma Polymerization. <i>Nanomaterials</i> , 2022, 12, 32.	4.1	3
4	In-Situ Iodine Doping Characteristics of Conductive Polyaniline Film Polymerized by Low-Voltage-Driven Atmospheric Pressure Plasma. <i>Polymers</i> , 2021, 13, 418.	4.5	12
5	Ultrafast Room Temperature Synthesis of Porous Polythiophene via Atmospheric Pressure Plasma Polymerization Technique and Its Application to NO <sub>2</sub> Gas Sensors. <i>Polymers</i> , 2021, 13, 1783.	4.5	13
6	A Review of Plasma Synthesis Methods for Polymer Films and Nanoparticles under Atmospheric Pressure Conditions. <i>Polymers</i> , 2021, 13, 2267.	4.5	35
7	Improvement of the Uniformity and Electrical Properties of Polyaniline Nanocomposite Film by Addition of Auxiliary Gases during Atmospheric Pressure Plasma Polymerization. <i>Nanomaterials</i> , 2021, 11, 2315.	4.1	5
8	Potential Application of Pin-to-Liquid Dielectric Barrier Discharge Structure in Decomposing Aqueous Phosphorus Compounds for Monitoring Water Quality. <i>Materials</i> , 2021, 14, 7559.	2.9	5
9	A Directional Microplasma Thruster Exhibiting a Switchable Intense Plasma Coupling. <i>IEEE Access</i> , 2020, 8, 104269-104280.	4.2	0
10	Synthesis and Properties of Thiophene and Aniline Copolymer Using Atmospheric Pressure Plasma Jets Copolymerization Technique. <i>Polymers</i> , 2020, 12, 2225.	4.5	12
11	Effects of a Dielectric Barrier Discharge (DBD) on Characteristics of Polyaniline Nanoparticles Synthesized by a Solution Plasma Process with an Ar Gas Bubble Channel. <i>Polymers</i> , 2020, 12, 1939.	4.5	5
12	Preparation and synthesis of carbon nanomaterials from 1-hexanol by solution plasma process with Ar/O <sub>2</sub> gas bubbles. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 678, 20-32.	0.9	4
13	Influences of post-heating treatment on crystalline phases of PVDF thin films prepared by atmospheric pressure plasma deposition. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 678, 9-19.	0.9	4
14	Synthesis and Properties of Plasma-Polymerized Methyl Methacrylate via the Atmospheric Pressure Plasma Polymerization Technique. <i>Polymers</i> , 2019, 11, 396.	4.5	15
15	Synthesis of a Polyaniline Nanoparticle Using a Solution Plasma Process with an Ar Gas Bubble Channel. <i>Polymers</i> , 2019, 11, 105.	4.5	25
16	Development of Sensors for On-Site Analysis of Total Dissolved Phosphorus in Natural Waters. , 2019, , .		0
17	Effects of iodine dopant on atmospheric pressure plasma polymerized pyrrole in remote and coupling methods. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 677, 135-142.	0.9	5
18	Voltage Margin and Luminous Efficiency by Changing Positive and Negative Sustain Voltage in AC Plasma Display Panel. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 677, 143-152.	0.9	1

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19	Study on overlap scan waveform for low write voltage in AC plasma display panel. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 663, 124-131.	0.9	0
20	Experimental study on solid electrolyte interphase of graphite electrode in Li-ion battery by surface analysis technique. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 663, 158-167.	0.9	3
21	In-Liquid Plasma Process for Size- and Shape-Controlled Synthesis of Silver Nanoparticles by Controlling Gas Bubbles in Water. <i>Materials</i> , 2018, 11, 891.	2.9	19
22	Influences of graphite electrode on degradation induced by accelerated charging&discharging cycling in lithium-ion battery. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 663, 90-98.	0.9	1
23	Synthesis of carbon materials by solution plasma reactor with stable discharge and advanced plasma spray deposition method. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 663, 115-123.	0.9	2
24	Modified driving waveform for improving write discharge characteristics in open dielectric structure of AC PDP. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 663, 132-142.	0.9	0
25	Experimental study on atmospheric pressure plasma polymerized conducting polymer under coupling and remote conditions. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 663, 108-114.	0.9	6
26	Characteristics of PVDF Polymer Films Synthesized by Atmospheric Pressure Plasma Polymerization for Flexible Nanogenerator Applications. , 2018, , .		0
27	Analysis on Intense and Broaden Atmospheric Pressure Plasma for Large Area Surface Modification. , 2018, , .		0
28	Properties of Water-Pretreatment by Atmospheric Pressure Microplasma Discharge Using Nanopulse for Portable Device Applications. , 2018, , .		0
29	Room-Temperature NO <sub>2</sub> Sensors of Polyphosphene Films by Atmospheric Pressure Plasma Polymerization Technique. , 2018, , .		0
30	Humidity-independent conducting polyaniline films synthesized using advanced atmospheric pressure plasma polymerization with <i>in-situ</i> iodine doping. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	28
31	Influences of guide-tube and bluff-body on advanced atmospheric pressure plasma source for single-crystalline polymer nanoparticle synthesis at low temperature. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	19
32	Simulated results of plasma discharge in AC plasma display panel with asymmetric electrode. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 651, 189-195.	0.9	0
33	TOF-SIMS study on nano size conducting polymer prepared by simple atmospheric pressure plasma polymerization technique for display applications. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 651, 16-25.	0.9	7
34	Discharge and structural characteristics of MgO thin films under various O <sub>2</sub> and H <sub>2</sub> gas flow rates during MgO deposition when using ion plating method in microdischarge cells. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 645, 123-129.	0.9	0
35	Improvement of luminous efficiency using Li-doped MgO layer coated by MgCaO crystal powders in plasma display panels. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 645, 130-137.	0.9	3
36	Investigation for the effect of redeposited Mg particles on the discharge characteristics in an alternating-current plasma display panel. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 645, 65-71.	0.9	1

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37	Influence of overlapped sustain waveform on panel-aging characteristics based on MgO surface morphology variation in alternating-current plasma display panel. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 645, 72-80.	0.9	1
38	Experimental study on permanent image sticking of single and double barrier ribs in alternating-current plasma display panel. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 645, 112-122.	0.9	3
39	Investigation of plasma polymerized pyrrole under various gas flow rates and input power using atmospheric pressure plasma jets. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 651, 26-34.	0.9	2
40	Analysis on electron emission characteristics of MgO layer with MgO crystal powder under various panel temperatures in ac-plasma display panels. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 645, 102-111.	0.9	0
41	Microplasma Jet Device For Plasma Thruster. , 2017, , .		0
42	Atmospheric Pressure Plasma Polymerization Synthesis and Characterization of Polyaniline Films Doped with and without Iodine. <i>Materials</i> , 2017, 10, 1272.	2.9	29
43	Atmospheric Pressure Plasma Sources for Plasma Polymerization and Large Area Treatment. , 2017, , .		0
44	Effects of Bubble Control on Synthesis and Characterization of Carbon Nanoparticle in AC Solution Plasma. , 2017, , .		0
45	Synthesis and Characterization of Nanofibrous Polyaniline Thin Film Prepared by Novel Atmospheric Pressure Plasma Polymerization Technique. <i>Materials</i> , 2016, 9, 39.	2.9	28
46	Conductive Polymer Synthesis with Single-Crystallinity via a Novel Plasma Polymerization Technique for Gas Sensor Applications. <i>Materials</i> , 2016, 9, 812.	2.9	34
47	Optical, electrical, and structural studies of atmospheric pressure plasma polymerized and iodine-doped nano size polyaniline. , 2016, , .		1
48	Atmospheric pressure plasma polymerization using double grounded electrodes with He/Ar mixture. <i>AIP Advances</i> , 2015, 5, 097137.	1.3	13
49	Improvement of stability of sinusoidally driven atmospheric pressure plasma jet using auxiliary bias voltage. <i>AIP Advances</i> , 2015, 5, 127141.	1.3	4
50	Influences of MgO Thicknesses Variation on Degradation Characteristics during Long-term Discharge in Microdischarge Cells. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 617, 109-118.	0.9	0
51	Influence of Surface Contamination on the Electrical Breakdown between Ag Electrodes in AC Plasma Display Panels. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 585, 34-40.	0.9	0
52	Effects of Operating Frequency on Panel-Aging and Discharge Characteristics in AC Plasma Display Panel. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 585, 41-49.	0.9	0
53	Numerical Analysis and Experiment on Discharge Characteristics Under Various Address Electrode Widths in AC Plasma Display Panel. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 564, 56-66.	0.9	0
54	Improvement of Temporal Image Sticking Characteristics Using Negative Sustain Waveform in AC Plasma Display Panel. <i>IEEE Transactions on Plasma Science</i> , 2012, 40, 1350-1355.	1.3	1

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55	Effects of Gas Pressure on Temporal Image Sticking in AC Plasma Display Panel. Molecular Crystals and Liquid Crystals, 2012, 564, 67-75.	0.9	1
56	The Influence of the Defect States on the Secondary Electron Emission from the Mg <sub>1-x</sub> BexO Protective Layer of AC Plasma Display Panels. Molecular Crystals and Liquid Crystals, 2012, 564, 43-49.	0.9	1
57	Analysis on discharge characteristics of MgCaO crystal powders on Li-doped MgO layer in AC plasma display panels. , 2012, , .		0
58	Short pulse type dual sustain discharge waveform for improving discharge efficiency in microdischarge cell. , 2012, , .		0
59	Influences of He Contents and Panel Working Gas Pressures in Ternary Gas Mixture on Discharge Characteristics in AC Plasma Display Panel. Molecular Crystals and Liquid Crystals, 2012, 564, 76-84.	0.9	0
60	Temporal Bright and Dark Image Sticking Phenomena of Counter-type Electrodes with Parallel Electric Field in AC-PDP. Molecular Crystals and Liquid Crystals, 2012, 564, 94-103.	0.9	0
61	Effects of Positive-Biased Conditions of Address Electrode During Sustain Discharge on Permanent Image Sticking in AC Plasma Display Panel. IEEE Journal of Quantum Electronics, 2012, 48, 783-789.	1.9	1
62	Reduction of Permanent Image Sticking in AC Plasma Display Panel Using Negative Sustain Waveform. Molecular Crystals and Liquid Crystals, 2011, 551, 104-115.	0.9	3
63	Effects of RF-Plasma Pretreatment on Panel-Aging Characteristics in AC Plasma Display Panel with Full-HD Cell Size. Molecular Crystals and Liquid Crystals, 2011, 551, 95-103.	0.9	3
64	Experimental Study on Reduction of Temporal Image Sticking Using Positive Biased and Floated Address Waveforms During Sustain Period in AC-PDP with MgCaO Protective Layer. Digest of Technical Papers SID International Symposium, 2011, 42, 1462-1464.	0.3	2
65	Mechanism of permanent image sticking induced by ion bombardment and reduction method for ac plasma display panels. Applied Physics Letters, 2011, 99, 083503.	3.3	6
66	A New Reset Waveform for Stable Discharge Under Variable Panel Temperatures in AC-Plasma Display Panel. Molecular Crystals and Liquid Crystals, 2011, 551, 86-94.	0.9	3
67	Temperature-Adaptive Driving Waveform With Multiscan High Voltages for Stable Address Discharge in AC Plasma Display Panel. IEEE Transactions on Electron Devices, 2010, 57, 3123-3130.	3.0	4
68	Synthesis of polyvinylidene fluoride film using novel atmospheric pressure plasma deposition with direct-injection nozzle. Molecular Crystals and Liquid Crystals, 0, , 1-9.	0.9	1