

# Heung-Sik Tae

## List of Publications by Year in descending order

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207  
papers

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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	Photoresist Removal Using Reactive Oxygen Species Produced by an Atmospheric Pressure Plasma Reactor. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 045010.	1.8	1
4	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
5	Optimization of Atmospheric Pressure Plasma Jet with Single-Pin Electrode Configuration and Its Application in Polyaniline Thin Film Growth. <i>Polymers</i> , 2022, 14, 1535.	4.5	3
6	Morphological and Electrical Properties of Polythiophene Nanostructured Film Synthesized Using Atmospheric Pressure-Plasma Reactor with Double V-Shaped Bare Electrode. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 064005.	1.8	0
7	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
8	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
9	A Review of Plasma Synthesis Methods for Polymer Films and Nanoparticles under Atmospheric Pressure Conditions. <i>Polymers</i> , 2021, 13, 2267.	4.5	35
10	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
11	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
12	Synthesis and Properties of Thiophene and Aniline Copolymer Using Atmospheric Pressure Plasma Jets Copolymerization Technique. <i>Polymers</i> , 2020, 12, 2225.	4.5	12
13	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
14	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
15	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
16	Uniform Area Treatment for Surface Modification by Simple Atmospheric Pressure Plasma Treatment Technique. <i>IEEE Access</i> , 2019, 7, 103727-103737.	4.2	10
17	Synthesis and Properties of Plasma-Polymerized Methyl Methacrylate via the Atmospheric Pressure Plasma Polymerization Technique. <i>Polymers</i> , 2019, 11, 396.	4.5	15
18	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

#	ARTICLE	IF	CITATIONS
19	Development of Sensors for On-Site Analysis of Total Dissolved Phosphorus in Natural Waters. , 2019, , .		0
20	Effects of iodine dopant on atmospheric pressure plasma polymerized pyrrole in remote and coupling methods. Molecular Crystals and Liquid Crystals, 2018, 677, 135-142.	0.9	5
21	Voltage Margin and Luminous Efficiency by Changing Positive and Negative Sustain Voltage in AC Plasma Display Panel. Molecular Crystals and Liquid Crystals, 2018, 677, 143-152.	0.9	1
22	Study on overlap scan waveform for low write voltage in AC plasma display panel. Molecular Crystals and Liquid Crystals, 2018, 663, 124-131.	0.9	0
23	Experimental study on solid electrolyte interphase of graphite electrode in Li-ion battery by surface analysis technique. Molecular Crystals and Liquid Crystals, 2018, 663, 158-167.	0.9	3
24	In-Liquid Plasma Process for Size- and Shape-Controlled Synthesis of Silver Nanoparticles by Controlling Gas Bubbles in Water. Materials, 2018, 11, 891.	2.9	19
25	Influences of graphite electrode on degradation induced by accelerated charging&quot;discharging cycling in lithium-ion battery. Molecular Crystals and Liquid Crystals, 2018, 663, 90-98.	0.9	1
26	Synthesis of carbon materials by solution plasma reactor with stable discharge and advanced plasma spray deposition method. Molecular Crystals and Liquid Crystals, 2018, 663, 115-123.	0.9	2
27	Modified driving waveform for improving write discharge characteristics in open dielectric structure of AC PDP. Molecular Crystals and Liquid Crystals, 2018, 663, 132-142.	0.9	0
28	Experimental study on atmospheric pressure plasma polymerized conducting polymer under coupling and remote conditions. Molecular Crystals and Liquid Crystals, 2018, 663, 108-114.	0.9	6
29	Characteristics of PVDF Polymer Films Synthesized by Atmospheric Pressure Plasma Polymerization for Flexible Nanogenerator Applications. , 2018, , .		0
30	Analysis on Intense and Broaden Atmospheric Pressure Plasma for Large Area Surface Modification. , 2018, , .		0
31	Properties of Water-Pretreatment by Atmospheric Pressure Microplasma Discharge Using Nanopulse for Portable Device Applications. , 2018, , .		0
32	Humidity-independent conducting polyaniline films synthesized using advanced atmospheric pressure plasma polymerization with <i>in-situ</i> iodine doping. Applied Physics Letters, 2017, 110, .	3.3	28
33	Influences of guide-tube and bluff-body on advanced atmospheric pressure plasma source for single-crystalline polymer nanoparticle synthesis at low temperature. Physics of Plasmas, 2017, 24, .	1.9	19
34	Simulated results of plasma discharge in AC plasma display panel with asymmetric electrode. Molecular Crystals and Liquid Crystals, 2017, 651, 189-195.	0.9	0
35	TOF-SIMS study on nano size conducting polymer prepared by simple atmospheric pressure plasma polymerization technique for display applications. Molecular Crystals and Liquid Crystals, 2017, 651, 16-25.	0.9	7
36	Discharge and structural characteristics of MgO thin films under various O2 and H2 gas flow rates during MgO deposition when using ion plating method in microdischarge cells. Molecular Crystals and Liquid Crystals, 2017, 645, 123-129.	0.9	0

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37	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
38	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
39	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
40	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
41	Study on luminous efficiency of AC plasma display panel with large gap between sustain electrode. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 645, 93-101.	0.9	0
42	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
43	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
44	Microplasma Jet Device For Plasma Thruster. , 2017, , .		0
45	Atmospheric Pressure Plasma Polymerization Synthesis and Characterization of Polyaniline Films Doped with and without Iodine. <i>Materials</i> , 2017, 10, 1272.	2.9	29
46	Atmospheric Pressure Plasma Sources for Plasma Polymerization and Large Area Treatment. , 2017, , .		0
47	Effects of Bubble Control on Synthesis and Characterization of Carbon Nanoparticle in AC Solution Plasma. , 2017, , .		0
48	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
49	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
50	Designing whispering gallery modes via transformation optics. <i>Nature Photonics</i> , 2016, 10, 647-652.	31.4	47
51	Optical, electrical, and structural studies of atmospheric pressure plasma polymerized and iodine-doped nano size polyaniline. , 2016, , .		1
52	Designing whispering gallery modes via transformation optics. , 2016, , .		0
53	Surface plasmon polaritons of a symmetric metamaterial slab waveguide with a hollow core for fluid sensing. <i>Journal of the Korean Physical Society</i> , 2015, 67, 663-667.	0.7	2
54	Address Discharge Simulation of Additional Pulse Application to Common Electrode in AC PDP. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 617, 130-138.	0.9	0

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55	Cost-Effective Local Dimming Driving Scheme of Xe-Lamp for Low-Power Backlight Unit. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 617, 147-157.	0.9	0
56	Atmospheric pressure plasma polymerization using double grounded electrodes with He/Ar mixture. <i>AIP Advances</i> , 2015, 5, 097137.	1.3	13
57	Improvement of stability of sinusoidally driven atmospheric pressure plasma jet using auxiliary bias voltage. <i>AIP Advances</i> , 2015, 5, 127141.	1.3	4
58	Improving luminous efficacy using dual sustain pulse waveform associated with short sustain pulse width in AC-plasma display panels. <i>AIP Advances</i> , 2015, 5, 057119.	1.3	6
59	Designing whispering gallery modes via transformation optics. , 2015, , .		0
60	Address Discharge Characteristics by Changes in Sustain Pulse Numbers in Plasma Display Panel with High Xe Contents. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 617, 158-167.	0.9	0
61	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
62	Modified Driving Waveform for Stable High-Speed Address Discharge in AC PDP under High Xe Gas Mixture. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 617, 119-129.	0.9	0
63	Strong discharge processes by atmospheric plasma jet array without external ground electrode. , 2015, , .		0
64	Study on Address Discharge Characteristics Using Wall Charge on Three Electrodes during an Address Period in AC PDP. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 602, 56-63.	0.9	0
65	Flame and Trident Plasma Emissions of Single Rectangular-Shaped Atmospheric Pressure Plasma Jet. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 2486-2487.	1.3	1
66	Electrode-Embedded Atmospheric Pressure Plasma Jet Device for Humid Environment. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 2476-2477.	1.3	1
67	Intense Ar Plasma Array Jet With Ring-Type Focusing Electrode. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 2478-2479.	1.3	4
68	Plasma Jet-to-Jet Coupling Behavior Between Two Plasma Jet Arrays for Surface Treatments Requiring Strong Discharge Process. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 2474-2475.	1.3	2
69	Improvement of Luminous Efficacy Using Short Sustain Pulsewidth and Long Off-Time Between Sustain Pulses in AC Plasma Display Panel. <i>IEEE Transactions on Plasma Science</i> , 2013, 41, 887-891.	1.3	3
70	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
71	Analysis of Weak and Strong Discharge Characteristics for Fast Address Discharge in Microplasma Cells. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 585, 25-33.	0.9	2
72	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

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73	Adaptive Three-Dimensional Error Diffusion Method for Improving Image Quality in Plasma Display Panel. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 585, 7-14.	0.9	1
74	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
75	Investigation of Address Discharge and Efficiency Characteristics by Thickness of Phosphor Layer in Microplasma Cells. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 564, 104-111.	0.9	0
76	Reduction of Power Consumption of Counter Electrode Structure in AC-PDP. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 564, 85-93.	0.9	1
77	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
78	Effects of Gas Pressure on Temporal Image Sticking in AC Plasma Display Panel. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 564, 67-75.	0.9	1
79	Analysis on discharge characteristics of MgCaO crystal powders on Li-doped MgO layer in AC plasma display panels. , 2012, , .		0
80	Short pulse type dual sustain discharge waveform for improving discharge efficiency in microdischarge cell. , 2012, , .		0
81	Influences of He Contents and Panel Working Gas Pressures in Ternary Gas Mixture on Discharge Characteristics in AC Plasma Display Panel. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 564, 76-84.	0.9	0
82	Temporal Bright and Dark Image Sticking Phenomena of Counter-type Electrodes with Parallel Electric Field in AC-PDP. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 564, 94-103.	0.9	0
83	Effects of Positive-Biased Conditions of Address Electrode During Sustain Discharge on Permanent Image Sticking in AC Plasma Display Panel. <i>IEEE Journal of Quantum Electronics</i> , 2012, 48, 783-789.	1.9	1
84	Improvement of Address Discharge Delay Time Using Modified Reset Waveform in AC Plasma Display Panel. <i>IEICE Transactions on Electronics</i> , 2012, E95.C, 958-963.	0.6	2
85	A Cost-Effective Energy-Recovering Sustain Driving Circuit for ac Plasma Display Panels. <i>IEICE Transactions on Electronics</i> , 2012, E95-C, 303-308.	0.6	0
86	Reduction of Permanent Image Sticking in AC Plasma Display Panel Using Negative Sustain Waveform. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 551, 104-115.	0.9	3
87	Effects of RF-Plasma Pretreatment on Panel-Aging Characteristics in AC Plasma Display Panel with Full-HD Cell Size. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 551, 95-103.	0.9	3
88	37.4: Analysis on Address Discharge Characteristics of MgO Layer with MgO Single Crystal Powder under Various Panel Temperatures in AC-PDP. <i>Digest of Technical Papers SID International Symposium</i> , 2011, 42, 510-512.	0.3	0
89	Pâ€94: Experimental Study on Reduction of Temporal Image Sticking Using Positive Biasedâ€and Floatedâ€Address Waveforms During Sustain Period in ACâ€PDP with MgCaO Protective Layer. <i>Digest of Technical Papers SID International Symposium</i> , 2011, 42, 1462-1464.	0.3	2
90	Pâ€96: Analysis of Address Discharge Delay Characteristics Using Transient Characteristics of IR Emission Intensity in Plasma Display Panel. <i>Digest of Technical Papers SID International Symposium</i> , 2011, 42, 1468-1470.	0.3	1

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91	A New Reset Waveform for Stable Discharge Under Variable Panel Temperatures in AC-Plasma Display Panel. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 551, 86-94.	0.9	3
92	Three-Dimensional ICCD Observation of Dual Sustain Discharge Mode in Three-Electrode Microdischarge Cell. <i>IEEE Transactions on Plasma Science</i> , 2011, 39, 2990-2991.	1.3	1
93	P-85: Energy Recovery Circuit with Variable Inductance in AC-Plasma Display Panel. <i>Digest of Technical Papers SID International Symposium</i> , 2010, 41, 1565.	0.3	0
94	P-95: Driving Waveform to Reduce Power Consumption in AC-PDP with MgO Single-Crystal Powder. <i>Digest of Technical Papers SID International Symposium</i> , 2010, 41, 1602.	0.3	1
95	P-94: Long Time-Discharge Characteristics of MgO Layer with Nano-Powder in AC Plasma Display Panel. <i>Digest of Technical Papers SID International Symposium</i> , 2010, 41, 1599.	0.3	0
96	Temperature-Adaptive Driving Waveform With Multiscan High Voltages for Stable Address Discharge in AC Plasma Display Panel. <i>IEEE Transactions on Electron Devices</i> , 2010, 57, 3123-3130.	3.0	4
97	Broadband Wilkinson balun using pure left-handed transmission line. <i>Microwave and Optical Technology Letters</i> , 2010, 52, 1665-1668.	1.4	2
98	Improvement of MgO Characteristics Using RF-Plasma Treatment in AC Plasma Display Panel. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 531, 73/[373]-81/[381].	0.9	2
99	Influence of Ion Bombardment on Electron Emission of MgO Surface in AC Plasma Display Panel. <i>IEEE Transactions on Plasma Science</i> , 2010, 38, 2439-2444.	1.3	17
100	Effects of Xe content on wall-voltage variation during address period in AC plasma-display panel. <i>Journal of the Society for Information Display</i> , 2010, 18, 614.	2.1	8
101	Influence of Cell Size on Discharge Characteristics in ac-PDPs With HD and full-HD Resolution. <i>IEEE Transactions on Plasma Science</i> , 2010, 38, 3128-3135.	1.3	1
102	New Cost-Effective Driving Circuit for Plasma-TV. <i>IEICE Transactions on Electronics</i> , 2010, E93-C, 200-204.	0.6	0
103	Experimental Observation of Discharge Characteristics Under Variable Ambient Temperature in AC Plasma Display Panel. <i>IEEE Transactions on Plasma Science</i> , 2009, 37, 334-338.	1.3	3
104	A Study on MgO Characteristics of AC Plasma Display Panel Fabricated by Vacuum Sealing Method. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 499, 224/[546]-233/[555].	0.9	3
105	Effects of $Xe$ and $He$ Contents in Ternary Gas Mixture on Luminous Efficiency in AC Plasma Display Panel With Full-HD Cell Size. <i>IEEE Transactions on Plasma Science</i> , 2009, 37, 2061-2067.	1.3	6
106	New cost-effective driving circuit for plasma-TV. , 2009, , .		0
107	Discharge Characteristics and Fabrication Process of Face-to-Face Sustain Electrode Structure in AC-Plasma Display Panel. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 499, 213/[535]-223/[545].	0.9	1
108	26.4: Enhancement of Discharge Characteristics Using RF-Plasma Treatment on MgO Layer in 50-In. Full-HD AC-PDPs. <i>Digest of Technical Papers SID International Symposium</i> , 2009, 40, 363.	0.3	4

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109	Pâ€92: Driving Waveforms for Improving Temporal Bright Image Sticking in AC Plasma Display Panel. Digest of Technical Papers SID International Symposium, 2009, 40, 1464-1467.	0.3	0
110	Pâ€93: New Reset Waveform for High Speed Address under High Ambient Temperature in AC PDP. Digest of Technical Papers SID International Symposium, 2009, 40, 1468-1471.	0.3	1
111	Effects of Address-on-Time on Wall Voltage Variation during Address-Period in AC Plasma Display Panel. IEICE Transactions on Electronics, 2009, E92-C, 1347-1352.	0.6	5
112	A Study on Temporal Dark Image Sticking in AC-PDP Using Vacuum-Sealing Method. IEICE Transactions on Electronics, 2009, E92-C, 161-165.	0.6	11
113	ICCD Observation on Discharge Characteristics in AC Plasma Display Panel Prepared by Vacuum Sealing Process. IEICE Transactions on Electronics, 2009, E92-C, 898-901.	0.6	1
114	Negative Sustain Waveform for Improving Discharge Characteristics in AC Plasma Display Panel. IEEE Transactions on Electron Devices, 2008, 55, 2595-2601.	3.0	3
115	New Sustain Waveform for Improving Luminous Efficiency in Wide-Gap Plasma-Display Panel. IEEE Transactions on Electron Devices, 2008, 55, 1129-1136.	3.0	6
116	Analysis of Reset Discharge Characteristics in AC-Plasma Display Panel With Various Sustain Gaps Using $V_{t}$ Close-Curve. IEEE Transactions on Electron Devices, 2008, 55, 2329-2337.	3.0	3
117	DGS Dual Composite Right/LeftHanded Transmission Line. IEEE Microwave and Wireless Components Letters, 2008, 18, 434-436.	3.2	27
118	A Study on Wall-Charge Behavior of Single-Sustain Waveform Based on $V_{t}$ Close-Curve Analysis in AC Plasma Display Panel. IEEE Transactions on Plasma Science, 2008, 36, 192-199.	1.3	6
119	Effects of Operating Frequency on Luminance Characteristics of Wide-Gap AC Plasma Display Panel. IEEE Transactions on Plasma Science, 2008, 36, 809-815.	1.3	4
120	Discharge Characteristics of AC Plasma Display Panel Prepared Using Vacuum Sealing Method. IEEE Transactions on Plasma Science, 2008, 36, 1925-1929.	1.3	7
121	Multi-band antenna using dual composite right/left handed transmission line. , 2008, , .		1
122	P-120: Comparison of Discharge Characteristics between Coplanar- and Plate-Gap Structures in Xe-Backlight Unit. Digest of Technical Papers SID International Symposium, 2008, 39, 1641.	0.3	1
123	P-128: Experimental Study on Reduction of Temporal Bright Image Sticking in AC-PDP Using Vacuum-Sealing Method. Digest of Technical Papers SID International Symposium, 2008, 39, 1674.	0.3	1
124	P-139: Distinguished Student Paper: Driving Waveform with Multi-Scan High Level for Stable Address Discharge Under Variable Ambient Temperature. Digest of Technical Papers SID International Symposium, 2008, 39, 1729.	0.3	5
125	P-135: Analysis on Sustain-Waveform Distortion Induced by Display-Pattern Type in AC-Plasma Display Panel. Digest of Technical Papers SID International Symposium, 2008, 39, 1713.	0.3	0
126	P-140: A Modified Selective Reset-Waveform to Minimize Wall-Voltage Variation During Address-Period in Full-HD PDP. Digest of Technical Papers SID International Symposium, 2008, 39, 1733.	0.3	1



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127	A novel planar left-handed transmission line using defected ground structure with inter-digital gap. , 2007, , .		1
128	55.4: Influence of He Contents on Reset and Address Discharge Characteristics Under Variable Panel Temperature in ac PDPs. Digest of Technical Papers SID International Symposium, 2007, 38, 1629-1632.	0.3	2
129	P-91: A Study on Discharge Characteristics of Face-to-Face and Coplanar Sustain Electrode Structures in 42-inch Full HD Grade AC PDPs. Digest of Technical Papers SID International Symposium, 2007, 38, 542-545.	0.3	2
130	P-95: Distortion of Sustain Waveform Relative to Displayed Area and Its Compensation for Stable Address Discharge in AC-Plasma Display Panel. Digest of Technical Papers SID International Symposium, 2007, 38, 557-560.	0.3	0
131	55.3: Study on Address Discharge Characteristics Using VtClose-Curve Analysis in ac PDPs. Digest of Technical Papers SID International Symposium, 2007, 38, 1625-1628.	0.3	1
132	43.3: Discharge Characteristics of 42-in. AC Plasma Display Panel Fabricated by Vacuum Sealing Method. Digest of Technical Papers SID International Symposium, 2007, 38, 1434-1437.	0.3	5
133	P-96: Analysis of Discharge Characteristics on 50-in. Full HD, 50-in. HD, and 42-in. HD PDP Cells using Vt Close-Curve. Digest of Technical Papers SID International Symposium, 2007, 38, 561-564.	0.3	2
134	P-204L:Late-News Poster: Analysis of Statistical Time Lags Based on Wall Charges Prior to Address Discharge Using Vt Close-Curve Method for Full-HD AC-PDP. Digest of Technical Papers SID International Symposium, 2007, 38, 569-572.	0.3	6
135	55.1:Invited Paper: Solution to Boundary Image Sticking in AC Plasma Display Panel. Digest of Technical Papers SID International Symposium, 2007, 38, 1617-1620.	0.3	3
136	P-97: Analysis of Wall-Voltage Variation During Address Period Using V(t) Closed Curves. Digest of Technical Papers SID International Symposium, 2007, 38, 565-568.	0.3	5
137	Analysis on Discharge Modes in AC Plasma Display Panel With Sustain Gap of 200 $\mu\text{m}$ . IEEE Transactions on Plasma Science, 2007, 35, 1766-1774.	1.3	8
138	Recovery of Boundary Image Sticking Using Aging Discharge in AC Plasma Display Panel. IEEE Transactions on Plasma Science, 2007, 35, 1511-1517.	1.3	9
139	Experimental Observation of Halo-Type Boundary Image Sticking in AC Plasma Display Panel. IEEE Transactions on Electron Devices, 2007, 54, 1315-1320.	3.0	26
140	Guided electromagnetic modes along circular air holes with dispersive metamaterial claddings. , 2006, , .		0
141	Driving waveform for reducing temporal dark image sticking in AC plasma display panel based on perceived luminance. IEEE Transactions on Plasma Science, 2006, 34, 996-1003.	1.3	23
142	A new driving waveform for improving luminous efficiency in AC PDP with large sustain gap under high Xe content. IEEE Transactions on Plasma Science, 2006, 34, 390-396.	1.3	12
143	Effect of Voltage Distribution Among Three Electrodes on Microdischarge Characteristics in AC-PDP With Long Discharge Path. IEEE Transactions on Plasma Science, 2006, 34, 2579-2587.	1.3	10
144	24.3: Experimental Study on Halo-Type Boundary Image Sticking in 42-in. AC Plasma Display Panel. Digest of Technical Papers SID International Symposium, 2006, 37, 1213.	0.3	6

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145	P-99: Effects of Width of Address Electrode on Sustain and Address Discharge Characteristics in AC Plasma Display Panel. Digest of Technical Papers SID International Symposium, 2006, 37, 571.	0.3	3
146	P-106: Improvement of Luminance and Luminous Efficiency Using New Negative Sustain Waveform in AC-Plasma Display Panel. Digest of Technical Papers SID International Symposium, 2006, 37, 597.	0.3	4
147	49.3: Preferred Skin Color Reproduction Based on Affine Transform and Contour Reduction Function Using Erosion. Digest of Technical Papers SID International Symposium, 2006, 37, 1598.	0.3	5
148	P-102: A Study on Plasma Mode and Efficiency of Coplanar and Face-to-Face Electrode Structures in AC PDPs. Digest of Technical Papers SID International Symposium, 2006, 37, 582.	0.3	4
149	High-speed driving method using bipolar scan waveform in AC plasma display panel. IEEE Transactions on Electron Devices, 2006, 53, 196-204.	3.0	19
150	Study on discharge stability of cost-effective driving method based on $V_{sub t}$ /close-curve analysis in AC plasma-display panel. IEEE Transactions on Electron Devices, 2006, 53, 1112-1119.	3.0	16
151	Effects of Saturation Characteristics of Red, Green, and Blue Phosphor Layers on White Color Balancing in Alternate Current Plasma Display Panel. Molecular Crystals and Liquid Crystals, 2006, 459, 191/[471]-203/[483].	0.9	2
152	Experimental observation of temperature- dependent characteristics for temporal dark boundary image sticking in 42-in AC-PDP. IEEE Transactions on Plasma Science, 2006, 34, 324-330.	1.3	17
153	26.3: A New Driving Waveform for Improving Luminous Efficiency in AC PDP with Large Sustain Gap under High Xe content. Digest of Technical Papers SID International Symposium, 2005, 36, 1138.	0.3	4
154	20.3: Experimental Study on Temperature-dependent Characteristics of Temporal Dark Boundary Image Sticking in 42 in. AC-PDP. Digest of Technical Papers SID International Symposium, 2005, 36, 1036.	0.3	0
155	P-176L: Late-News Poster: Improvement of Luminous Characteristics of AC-PDP with Long Discharge Path Using Ridged Front Dielectric Layer. Digest of Technical Papers SID International Symposium, 2005, 36, 630.	0.3	0
156	Discharge characteristics of cross-shaped microdischarge cells in ac-plasma display panel. IEEE Transactions on Plasma Science, 2005, 33, 1053-1060.	1.3	0
157	Case studies on temperature-dependent Characteristics in AC PDPs. IEEE Transactions on Plasma Science, 2005, 33, 162-169.	1.3	12
158	New first subfield waveform for improving low gray level linearity in AC-plasma display panel. , 2005, , .		0
159	Improvement of low gray-level linearity using perceived luminance of human visual system in PDP-TV. , 2005, , .		0
160	New first subfield waveform for improving low gray level linearity in AC-plasma display panel. IEEE Transactions on Consumer Electronics, 2005, 51, 198-203.	3.6	4
161	Improvement of low gray-level linearity using perceived luminance of human visual system in PDP-TV. IEEE Transactions on Consumer Electronics, 2005, 51, 204-209.	3.6	15
162	Analysis of microdischarge characteristics induced by synchronized auxiliary address pulse based on cross-sectional infrared observation in AC plasma display panel. IEEE Transactions on Plasma Science, 2005, 33, 931-940.	1.3	10

#	ARTICLE	IF	CITATIONS
163	Characteristics of an address discharge in ac plasma display panels. IEEE Transactions on Plasma Science, 2005, 33, 1426-1430.	1.3	9
164	Dispersion characteristics of dispersive double negative (DNG) metamaterial columns. , 2004, , .		1
165	Experimental Observation of Image Sticking Phenomenon in AC Plasma Display Panel. IEEE Transactions on Plasma Science, 2004, 32, 2189-2196.	1.3	21
166	Firing and Sustaining Discharge Characteristics in Alternating Current Microdischarge Cell With Three Electrodes. IEEE Transactions on Plasma Science, 2004, 32, 488-492.	1.3	8
167	Reduction of low gray-level contours using error diffusion based on emission characteristics of PDP. IEEE Transactions on Consumer Electronics, 2004, 50, 401-406.	3.6	9
168	8.3: New Bipolar Ramp Waveform for Enhancing Low-Gray-Level Expression in ACPDPs. Digest of Technical Papers SID International Symposium, 2004, 35, 100.	0.3	0
169	P-76: Design of Facing Reset Discharge Waveform for Reducing Dark Image Sticking in AC-PDP. Digest of Technical Papers SID International Symposium, 2004, 35, 532.	0.3	3
170	P-70: New Long Gap Discharge Mode Driven by Low Sustain Voltage for Highly Efficient Plasma Displays. Digest of Technical Papers SID International Symposium, 2004, 35, 510.	0.3	5
171	P-71: Cross-Shaped Cell Structure Employing Auxiliary Address Pulse Driving Scheme in AC-PDP. Digest of Technical Papers SID International Symposium, 2004, 35, 514.	0.3	0
172	New color-enhancing discharge mode using self-erasing discharge in ac plasma display panel. IEEE Transactions on Plasma Science, 2003, 31, 256-263.	1.3	2
173	Self-erasing discharge mode for improvement of luminous efficiency in AC plasma display panel. IEEE Transactions on Electron Devices, 2003, 50, 522-524.	3.0	9
174	Improvement of color temperature using independent control of red, green, blue luminance in AC plasma display panel. IEEE Transactions on Electron Devices, 2003, 50, 359-365.	3.0	17
175	Plasma display panel with Ne+ N/sub 2/ gas-mixture discharges. IEEE Transactions on Electron Devices, 2003, 50, 1440-1444.	3.0	7
176	Improvement of address discharge characteristics using asymmetric variable-width scan waveform in ac plasma display panel. IEEE Transactions on Electron Devices, 2003, 50, 1758-1765.	3.0	11
177	Color reproduction error correction for color temperature conversion in PDP-TV. IEEE Transactions on Consumer Electronics, 2003, 49, 473-478.	3.6	7
178	5.4: Long Gap Discharge Characteristics Based on Control of Voltage Distribution among Three Electrodes for Positive Column AC-PDPs. Digest of Technical Papers SID International Symposium, 2003, 34, 40.	0.3	2
179	17.4: Experimental Observation on Image Sticking of 42-inch PDP-TV. Digest of Technical Papers SID International Symposium, 2003, 34, 788.	0.3	7
180	P-65: White Color Balancing using New Luminance Compensation Driving Method in AC PDP. Digest of Technical Papers SID International Symposium, 2002, 33, 448.	0.3	0

#	ARTICLE	IF	CITATIONS
181	P-63: Self-Erasing Discharge Using Short Address Pulse During Sustain Period in AC Plasma Display Panel. Digest of Technical Papers SID International Symposium, 2002, 33, 440.	0.3	2
182	P-61: Discharge Characteristics of Ne+N2 Gas-Mixture in an AC Plasma Display Panel. Digest of Technical Papers SID International Symposium, 2002, 33, 432.	0.3	0
183	P-64: Improvement of Color Gamut Using New Auxiliary Negative Pulse in AC-PDPs. Digest of Technical Papers SID International Symposium, 2002, 33, 444.	0.3	0
184	Improvement of low gray scale linearity using multi-luminance-level subfield method in plasma display panel. IEEE Transactions on Consumer Electronics, 2002, 48, 377-381.	3.6	14
185	New driving scheme for white color balancing of plasma display panel television. IEEE Transactions on Consumer Electronics, 2002, 48, 382-387.	3.6	2
186	Measurement of dielectric and radiation losses for flexible circular dielectric waveguides in Q-band. Microwave and Optical Technology Letters, 2002, 35, 102-106.	1.4	11
187	New driving scheme for improving color temperature of plasma display panel. IEEE Transactions on Consumer Electronics, 2001, 47, 335-339.	3.6	4
188	Effects of Phosphor Layer Morphology on Discharge Characteristics of Red, Green, and Blue Cells in AC-PDP. Journal of Information Display, 2001, 2, 52-56.	4.0	1
189	P-64: Improvement of Color Temperature Using Address Voltage Pulse During Sustain Period of AC-PDP. Digest of Technical Papers SID International Symposium, 2001, 32, 794.	0.3	1
190	Improvement in the luminous efficiency using ramped-square sustain waveform in an AC surface-discharge plasma display panel. IEEE Transactions on Electron Devices, 2001, 48, 1469-1472.	3.0	18
191	Improvement of luminance and luminous efficiency using address voltage pulse during sustain-period of AC-PDP. IEEE Transactions on Electron Devices, 2001, 48, 1903-1910.	3.0	46
192	P-42: The Three-Dimensional Analysis for the Discharge of Plasma Display Panel by Optical Emission Measurement. Digest of Technical Papers SID International Symposium, 2000, 31, 699-701.	0.3	1
193	The characteristics of plasma display with the cylindrical hollow cathode. IEEE Transactions on Electron Devices, 1999, 46, 2344-2347.	3.0	4
194	Electric field in magnetized inductively coupled plasma. IEEE Transactions on Plasma Science, 1999, 27, 52-53.	1.3	10
195	Lateral field emission diodes using SIMOX wafer. IEEE Transactions on Electron Devices, 1997, 44, 1018-1021.	3.0	38
196	Design of a nonradiative dielectric Rotman lens in the millimeter wave frequency. , 0, , .		1
197	New driving scheme for improving color temperature of plasma display panel-HDTV. , 0, , .		0
198	Measurements on dielectric and radiation loss of flexible circular dielectric waveguides in Q-band. , 0, , .		0

#	ARTICLE	IF	CITATIONS
199	Broadband gap-coupled unidirectional dielectric radiator (UDR) in the millimeter wave band. , 0, , .		1
200	Radiation characteristics of flexible circular dielectric waveguides in Q-band. , 0, , .		2
201	New driving scheme for white color balancing of plasma display panel television. , 0, , .		0
202	Improvement of low gray scale linearity using multi-luminance-level subfield method in plasma display panel. , 0, , .		0
203	Firing and sustaining discharge characteristics in alternate current micro-discharge cell with three electrodes. , 0, , .		0
204	Control of initial wall charges for multi-luminance of AC-plasma display panel. , 0, , .		0
205	Color reproduction error correction for color temperature conversion in PDP-TV. , 0, , .		0
206	Leaky Mode Characteristics of Plasma Column Waveguides. , 0, , .		0
207	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