Heung-Sik Tae

List of Publications by Year
in descending order

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207	1,101	471509	580821
papers	citations	17 h-index	25 g-index

207	207	207	556
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Designing whispering gallery modes via transformation optics. Nature Photonics, 2016, 10, 647-652.	31.4	47
2	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
3	Lateral field emission diodes using SIMOX wafer. IEEE Transactions on Electron Devices, 1997, 44, 1018-1021.	3.0	38
4	A Review of Plasma Synthesis Methods for Polymer Films and Nanoparticles under Atmospheric Pressure Conditions. Polymers, 2021, 13, 2267.	4.5	35
5	Conductive Polymer Synthesis with Single-Crystallinity via a Novel Plasma Polymerization Technique for Gas Sensor Applications. Materials, 2016, 9, 812.	2.9	34
6	Atmospheric Pressure Plasma Polymerization Synthesis and Characterization of Polyaniline Films Doped with and without Iodine. Materials, 2017, 10, 1272.	2.9	29
7	Synthesis and Characterization of Nanofibrous Polyaniline Thin Film Prepared by Novel Atmospheric Pressure Plasma Polymerization Technique. Materials, 2016, 9, 39.	2.9	28
8	Humidity-independent conducting polyaniline films synthesized using advanced atmospheric pressure plasma polymerization with in-situ iodine doping. Applied Physics Letters, 2017, 110, .	3.3	28
9	DGS Dual Composite Right/LeftHanded Transmission Line. IEEE Microwave and Wireless Components Letters, 2008, 18, 434-436.	3.2	27
10	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
11	Synthesis of a Polyaniline Nanoparticle Using a Solution Plasma Process with an Ar Gas Bubble Channel. Polymers, 2019, 11, 105.	4.5	25
12	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
13	Experimental Observation of Image Sticking Phenomenon in AC Plasma Display Panel. IEEE Transactions on Plasma Science, 2004, 32, 2189-2196.	1.3	21
14	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
15	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
16	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
17	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
18	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

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19	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
20	Influence of Ion Bombardment on Electron Emission of MgO Surface in AC Plasma Display Panel. IEEE Transactions on Plasma Science, 2010, 38, 2439-2444.	1.3	17
21	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
22	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
23	Synthesis and Properties of Plasma-Polymerized Methyl Methacrylate via the Atmospheric Pressure Plasma Polymerization Technique. Polymers, 2019, 11, 396.	4.5	15
24	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
25	Atmospheric pressure plasma polymerization using double grounded electrodes with He/Ar mixture. AIP Advances, 2015, 5, 097137.	1.3	13
26	Ultrafast Room Temperature Synthesis of Porous Polythiophene via Atmospheric Pressure Plasma Polymerization Technique and Its Application to NO2 Gas Sensors. Polymers, 2021, 13, 1783.	4.5	13
27	Case studies on temperature-dependent Characteristics in AC PDPs. IEEE Transactions on Plasma Science, 2005, 33, 162-169.	1.3	12
28	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
29	Synthesis and Properties of Thiophene and Aniline Copolymer Using Atmospheric Pressure Plasma Jets Copolymerization Technique. Polymers, 2020, 12, 2225.	4.5	12
30	In-Situ Iodine Doping Characteristics of Conductive Polyaniline Film Polymerized by Low-Voltage-Driven Atmospheric Pressure Plasma. Polymers, 2021, 13, 418.	4.5	12
31	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
32	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
33	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
34	Electric field in magnetized inductively coupled plasma. IEEE Transactions on Plasma Science, 1999, 27, 52-53.	1.3	10
35	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
36	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

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37	Uniform Area Treatment for Surface Modification by Simple Atmospheric Pressure Plasma Treatment Technique. IEEE Access, 2019, 7, 103727-103737.	4.2	10
38	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
39	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
40	Characteristics of an address discharge in ac plasma display panels. IEEE Transactions on Plasma Science, 2005, 33, 1426-1430.	1.3	9
41	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
42	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
43	Analysis on Discharge Modes in AC Plasma Display Panel With Sustain Gap of 200 $muhbox{m}$. IEEE Transactions on Plasma Science, 2007, 35, 1766-1774.	1.3	8
44	Effects of Xe content on wall-voltage variation during address period in AC plasma-display panel. Journal of the Society for Information Display, 2010, 18, 614.	2.1	8
45	Plasma display panel with Ne+ N/sub 2/ gas-mixture discharges. IEEE Transactions on Electron Devices, 2003, 50, 1440-1444.	3.0	7
46	Color reproduction error correction for color temperature conversion in PDP-TV. IEEE Transactions on Consumer Electronics, 2003, 49, 473-478.	3.6	7
47	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
48	Discharge Characteristics of AC Plasma Display Panel Prepared Using Vacuum Sealing Method. IEEE Transactions on Plasma Science, 2008, 36, 1925-1929.	1.3	7
49	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
50	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
51	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
52	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
53	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
54	Effects of <emphasis emphasistype="roman">Xe</emphasis> and <emphasis emphasistype="roman">He</emphasis> Contents in Ternary Gas Mixture on Luminous Efficiency in AC Plasma Display Panel With Full-HD Cell Size. IEEE Transactions on Plasma Science, 2009, 37, 2061-2067.	1.3	6

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55	Improving luminous efficacy using dual sustain pulse waveform associated with short sustain pulse width in AC-plasma display panels. AIP Advances, 2015, 5, 057119.	1.3	6
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	Effects of a Dielectric Barrier Discharge (DBD) on Characteristics of Polyaniline Nanoparticles Synthesized by a Solution Plasma Process with an Ar Gas Bubble Channel. Polymers, 2020, 12, 1939.	4.5	5
64	Improvement of the Uniformity and Electrical Properties of Polyaniline Nanocomposite Film by Addition of Auxiliary Gases during Atmospheric Pressure Plasma Polymerization. Nanomaterials, 2021, 11, 2315.	4.1	5
65	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
66	Potential Application of Pin-to-Liquid Dielectric Barrier Discharge Structure in Decomposing Aqueous Phosphorus Compounds for Monitoring Water Quality. Materials, 2021, 14, 7559.	2.9	5
67	The characteristics of plasma display with the cylindrical hollow cathode. IEEE Transactions on Electron Devices, 1999, 46, 2344-2347.	3.0	4
68	New driving scheme for improving color temperature of plasma display panel. IEEE Transactions on Consumer Electronics, 2001, 47, 335-339.	3.6	4
69	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
70	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
71	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
72	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

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73	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
74	26.4: Enhancement of Discharge Characteristics Using RF-Plasma Treatment on MgO Layer in 50-In. Full-HD AC-PDPs. Digest of Technical Papers SID International Symposium, 2009, 40, 363.	0.3	4
75	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
76	Intense Ar Plasma Array Jet With Ring-Type Focusing Electrode. IEEE Transactions on Plasma Science, 2014, 42, 2478-2479.	1.3	4
77	Improvement of stability of sinusoidally driven atmospheric pressure plasma jet using auxiliary bias voltage. AIP Advances, 2015, 5, 127141.	1.3	4
78	Preparation and synthesis of carbon nanomaterials from 1-hexanol by solution plasma process with Ar/O₂ gas bubbles. Molecular Crystals and Liquid Crystals, 2019, 678, 20-32.	0.9	4
79	Influences of post-heating treatment on crystalline phases of PVDF thin films prepared by atmospheric pressure plasma deposition. Molecular Crystals and Liquid Crystals, 2019, 678, 9-19.	0.9	4
80	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
81	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
82	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
83	Negative Sustain Waveform for Improving Discharge Characteristics in AC Plasma Display Panel. IEEE Transactions on Electron Devices, 2008, 55, 2595-2601.	3.0	3
84	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
85	Experimental Observation of Discharge Characteristics Under Variable Ambient Temperature in AC Plasma Display Panel. IEEE Transactions on Plasma Science, 2009, 37, 334-338.	1.3	3
86	A Study on MgO Characteristics of AC Plasma Display Panel Fabricated by Vacuum Sealing Method. Molecular Crystals and Liquid Crystals, 2009, 499, 224/[546]-233/[555].	0.9	3
87	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
88	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
89	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
90	Improvement of Luminous Efficacy Using Short Sustain Pulsewidth and Long Off-Time Between Sustain Pulses in AC Plasma Display Panel. IEEE Transactions on Plasma Science, 2013, 41, 887-891.	1.3	3

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91	Improvement of luminous efficiency using LI-doped MgO layer coated by MgCaO crystal powders in plasma display panels. Molecular Crystals and Liquid Crystals, 2017, 645, 130-137.	0.9	3
92	Experimental study on permanent image sticking of single and double barrier ribs in alternating-current plasma display panel. Molecular Crystals and Liquid Crystals, 2017, 645, 112-122.	0.9	3
93	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
94	Synthesis and characterization of poly(pyrrole-co-aniline) copolymer using atmospheric pressure plasma polymerization. Molecular Crystals and Liquid Crystals, 2022, 733, 103-113.	0.9	3
95	Improvement of Nanostructured Polythiophene Film Uniformity Using a Cruciform Electrode and Substrate Rotation in Atmospheric Pressure Plasma Polymerization. Nanomaterials, 2022, 12, 32.	4.1	3
96	Optimization of Atmospheric Pressure Plasma Jet with Single-Pin Electrode Configuration and Its Application in Polyaniline Thin Film Growth. Polymers, 2022, 14, 1535.	4.5	3
97	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
98	Radiation characteristics of flexible circular dielectric waveguides in Q-band. , 0, , .		2
99	New driving scheme for white color balancing of plasma display panel television. IEEE Transactions on Consumer Electronics, 2002, 48, 382-387.	3.6	2
100	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
101	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
102	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
103	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
104	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
105	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
106	Broadband Wilkinson balun using pure left-handed transmission line. Microwave and Optical Technology Letters, 2010, 52, 1665-1668.	1.4	2
107	Improvement of MgO Characteristics Using RF-Plasma Treatment in AC Plasma Display Panel. Molecular Crystals and Liquid Crystals, 2010, 531, 73/[373]-81/[381].	0.9	2
108	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. Digest of Technical Papers SID International Symposium, 2011, 42, 1462-1464.	0.3	2

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109	Analysis of Weak and Strong Discharge Characteristics for Fast Address Discharge in Microplasma Cells. Molecular Crystals and Liquid Crystals, 2013, 585, 25-33.	0.9	2
110	Plasma Jet-to-Jet Coupling Behavior Between Two Plasma Jet Arrays for Surface Treatments Requiring Strong Discharge Process. IEEE Transactions on Plasma Science, 2014, 42, 2474-2475.	1.3	2
111	Surface plasmon polaritons of a symmetric metamaterial slab waveguide with a hollow core for fluid sensing. Journal of the Korean Physical Society, 2015, 67, 663-667.	0.7	2
112	Investigation of plasma polymerized pyrrole under various gas flow rates and input power using atmospheric pressure plasma jets. Molecular Crystals and Liquid Crystals, 2017, 651, 26-34.	0.9	2
113	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
114	Characteristics of polyaniline nanoparticles prepared by electrochemical solution plasma process for flexible devices. Molecular Crystals and Liquid Crystals, 2022, 733, 114-124.	0.9	2
115	Improvement of Address Discharge Delay Time Using Modified Reset Waveform in AC Plasma Display Panel. IEICE Transactions on Electronics, 2012, E95.C, 958-963.	0.6	2
116	Pâ€42: The Threeâ€Ðimensional 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
117	Design of a nonradiative dielectric Rotman lens in the millimeter wave frequency. , 0, , .		1
118	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
119	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
120	Broadband gap-coupled unidirectional dielectric radiator (UDR) in the millimeter wave band. , 0, , .		1
121	Dispersion characteristics of dispersive double negative (DNG) metamaterial columns. , 2004, , .		1
122	A novel planar left-handed transmission line using defected ground structure with inter-digital gap. , 2007, , .		1
123	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
124	Multi-band antenna using dual composite right/left handed transmission line. , 2008, , .		1
125	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
126	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

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127	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
128	Discharge Characteristics and Fabrication Process of Face-to-Face Sustain Electrode Structure in AC-Plasma Display Panel. Molecular Crystals and Liquid Crystals, 2009, 499, 213/[535]-223/[545].	0.9	1
129	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
130	P-95: Driving Waveform to Reduce Power Consumption in AC-PDP with MgO Single-Crystal Powder. Digest of Technical Papers SID International Symposium, 2010, 41, 1602.	0.3	1
131	Influence of Cell Size on Discharge Characteristics in ac-PDPs With HD and full-HD Resolution. IEEE Transactions on Plasma Science, 2010, 38, 3128-3135.	1.3	1
132	P-96: Analysis of Address Discharge Delay Characteristics Using Transient Characteristics of IR Emission Intensity in Plasma Display Panel. Digest of Technical Papers SID International Symposium, 2011, 42, 1468-1470.	0.3	1
133	Three-Dimensional ICCD Observation of Dual Sustain Discharge Mode in Three-Electrode Microdischarge Cell. IEEE Transactions on Plasma Science, 2011, 39, 2990-2991.	1.3	1
134	Reduction of Power Consumption of Counter Electrode Structure in AC-PDP. Molecular Crystals and Liquid Crystals, 2012, 564, 85-93.	0.9	1
135	Improvement of Temporal Image Sticking Characteristics Using Negative Sustain Waveform in AC Plasma Display Panel. IEEE Transactions on Plasma Science, 2012, 40, 1350-1355.	1.3	1
136	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
137	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
138	Adaptive Three-Dimensional Error Diffusion Method for Improving Image Quality in Plasma Display Panel. Molecular Crystals and Liquid Crystals, 2013, 585, 7-14.	0.9	1
139	Flame and Trident Plasma Emissions of Single Rectangular-Shaped Atmospheric Pressure Plasma Jet. IEEE Transactions on Plasma Science, 2014, 42, 2486-2487.	1.3	1
140	Electrode-Embedded Atmospheric Pressure Plasma Jet Device for Humid Environment. IEEE Transactions on Plasma Science, 2014, 42, 2476-2477.	1.3	1
141	Optical, electrical, and structural studies of atmospheric pressure plasma polymerized and iodine-doped nano size polyaniline. , 2016, , .		1
142	Investigation for the effect of redeposited Mg particles on the discharge characteristics in an alternating-current plasma display panel. Molecular Crystals and Liquid Crystals, 2017, 645, 65-71.	0.9	1
143	Influence of overlapped sustain waveform on panel-aging characteristics based on MgO surface morphology variation in alternating-current plasma display panel. Molecular Crystals and Liquid Crystals, 2017, 645, 72-80.	0.9	1
144	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

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145	Influences of graphite electrode on degradation induced by accelerated chargingâ€“discharging cycling in lithium-ion battery. Molecular Crystals and Liquid Crystals, 2018, 663, 90-98.	0.9	1
146	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
147	Photoresist Removal Using Reactive Oxygen Species Produced by an Atmospheric Pressure Plasma Reactor. ECS Journal of Solid State Science and Technology, 2022, 11, 045010.	1.8	1
148	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
149	New driving scheme for improving color temperature of plasma display panel-HDTV. , 0, , .		0
150	Measurements on dielectric and radiation loss of flexible circular dielectric waveguides in Q-band. , 0, , .		0
151	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
152	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
153	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
154	New driving scheme for white color balancing of plasma display panel television. , 0, , .		0
155	Improvement of low gray scale linearity using multi-luminance-level subfield method in plasma display panel. , 0, , .		0
156	Firing and sustaining discharge characteristics in alternate current micro-discharge cell with three electrodes. , 0, , .		0
157	Control of initial wall charges for multi-luminance of AC-plasma display panel. , 0, , .		0
158	Color reproduction error correction for color temperature conversion in PDP-TV. , 0, , .		0
159	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
160	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
161	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
162	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

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163	Discharge characteristics of cross-shaped microdischarge cells in ac-plasma display panel. IEEE Transactions on Plasma Science, 2005, 33, 1053-1060.	1.3	0
164	Leaky Mode Characteristics of Plasma Column Waveguides. , 0, , .		0
165	New first subfield waveform for improving low gray level linearity in AC-plasma display panel. , 2005, , .		0
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