

Kazunori Kadowaki

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

139
citations

1478505

6
h-index

1372567

10
g-index

41
all docs

41
docs citations

41
times ranked

121
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical properties of selective diffraction from Bragg-Berry cholesteric liquid crystal deflectors. OSA Continuum, 2019, 2, 3554.	1.8	18
2	Comparative Inactivation of <i>Bacillus subtilis</i> Spores Using a DBD-Driven Xenon Iodide Excilamp and a Conventional Mercury Lamp. IEEE Transactions on Plasma Science, 2010, 38, 1972-1977.	1.3	15
3	Effect of Water-Surface Discharge on the Inactivation of <i>Bacillus subtilis</i> Due to Protein Lysis and DNA Damage. Bioscience, Biotechnology and Biochemistry, 2009, 73, 1978-1983.	1.3	14
4	Analysis of Attenuation and Dispersion of Acoustic Waves in Low-Density Polyethylene. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 2007-2013.	2.9	12
5	Transient Phenomena of Current and Field Distortion due to Dynamics of Packet-Like Charges in LDPE Films. IEEJ Transactions on Fundamentals and Materials, 2010, 130, 362-368.	0.2	8
6	Simultaneous determination of ordinary and extraordinary refractive index dispersions of nematic liquid crystals in the visible and near-infrared regions from an interference spectrum. Journal of Applied Physics, 2016, 120, 155502.	2.5	7
7	Luminescent color control of Langmuir-Blodgett film by emission enhancement using a planar metal layer. Scientific Reports, 2018, 8, 17119.	3.3	6
8	Wavelength and bandwidth control of stop band of ferroelectric liquid crystals by varying incident angle and electric field. Applied Physics Express, 2020, 13, 051003.	2.4	6
9	Stimulation and Inhibition of <i>Arabidopsis</i> Seed Germination with Repetitive Barrier Discharges Produced by Polarity-Reversed Voltage Pulses. IEEJ Transactions on Fundamentals and Materials, 2013, 133, 38-43.	0.2	6
10	Structural colors of pearls. Scientific Reports, 2021, 11, 15224.	3.3	4
11	Calculation of Attenuated Space Charge Profile Obtained by Pulsed-electroacoustic Signal Passed through Polymer Insulator before Charge Injection. IEEJ Transactions on Fundamentals and Materials, 2021, 141, 527-532.	0.2	4
12	NO Removal with Repetitive Discharges Caused by Reciprocal Traveling Wave Voltage Pulse in a Coaxial Cable. IEEJ Transactions on Fundamentals and Materials, 2004, 124, 987-992.	0.2	4
13	Physics and Application of Streamer Discharge Produced by Polarity-Reversed Voltage Pulse for Environmental Protection Technology. IEEJ Transactions on Fundamentals and Materials, 2010, 130, 871-878.	0.2	4
14	Conduction Current and Space Charge Accumulation in Low Density Polyethylene under Stepwisely Increasing DC Voltage. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 717-723.	0.2	4
15	Simulation of Space Charge Dynamics in Low-Density Polyethylene Using the Gaussian Disorder Model. IEEE Transactions on Dielectrics and Electrical Insulation, 2022, 29, 891-897.	2.9	4
16	Temporal Change of Time-Frequency Characteristics of Pressure Waves Due to Growth of an Electrical Tree in Polyethylene. IEEJ Transactions on Fundamentals and Materials, 2003, 123, 587-592.	0.2	3
17	Simultaneous Measurements of Space Charge and External Current for LDPE Films with Various Densities. IEEJ Transactions on Fundamentals and Materials, 2011, 131, 1031-1036.	0.2	3
18	Influence of Pulsed Discharge Timing on Decolorization of Indigo-carmin Solution with Periodic Electro spray. IEEJ Transactions on Fundamentals and Materials, 2022, 142, 132-137.	0.2	3

#	ARTICLE	IF	CITATIONS
19	Influence of Voltage Rise Time for Oxidation Treatment of NO in Simulated Exhausted Gas by Polarity-Reversed Pulse Discharge. IEEJ Transactions on Fundamentals and Materials, 2009, 129, 211-216.	0.2	2
20	Alternate Expansion of Streamer Corona and Fine Water Droplets from a Syringe Needle Subjected to Rippled Voltage. IEEJ Transactions on Fundamentals and Materials, 2019, 139, 205-211.	0.2	2
21	Polarity-reversed voltage pulse propagation analysis for power cable insulation diagnosis. , 2014, , .		1
22	Dielectric Multilayer Including Azobenzene Polymer Liquid Crystal with Non-quarter-wave Stack. Molecular Crystals and Liquid Crystals, 2015, 611, 1-13.	0.9	1
23	Optimization of High Voltage Ripples for Alternate Propagations of Streamer Discharges and Water Droplets Produced by Electro spray. , 2018, , .		1
24	Calculation of electrospray profile in multi-electrode system for plasma treatment. , 2021, , .		1
25	Space Charge Measurement Using Pulse Electroacoustic Method with a Spin-coated Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overbo 139, 1134-1139.	0.2	1
26	Influence of High Speed Repetition of Pulsed Streamer Discharge Produced by Polarity-Reversed Traveling Wave on NO Oxidation. IEEJ Transactions on Fundamentals and Materials, 2006, 126, 1211-1217.	0.2	1
27	Inactivation of Bacillus Subtilis Spores in Water Using Repetitive Surface Discharges. IEEJ Transactions on Fundamentals and Materials, 2007, 127, 574-580.	0.2	1
28	Simplified Measurement Method for Partial Discharge Inception Voltage under Repetitive Impulses. IEEJ Transactions on Fundamentals and Materials, 2012, 132, 811-812.	0.2	1
29	Loss of Sciophilous Character of Tomato Seed Subjected to Barrier Discharge Produced by Polarity-reversed Voltage Pulse in ns Range. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 434-441.	0.2	1
30	PEA Measurement of Low Density Polyethylene using Spin-coated P(VDF-TrFE) Film and Acoustic Propagation Analysis based on Viscoelasticity. IEEJ Transactions on Fundamentals and Materials, 2020, 140, 439-444.	0.2	1
31	Degradation mechanism of epoxy-based composite sheet subjected to repetitive voltage pulses under high temperature. , 2010, , .		0
32	Streak observation of DC pre-breakdown light in silicone oil / low-density polyethylene (LDPE) film composites using a long image guide scope. , 2011, , .		0
33	Optical properties of self-assembled anisotropic gold nanoparticles. , 2014, , .		0
34	Preparation of DLC films using microwave plasma CVD in open-air. , 2017, , .		0
35	Optimization of High Voltage Ripples for Alternate Propagations of Streamer Discharges and Water Droplets Produced by Electro spray. , 2018, , .		0
36	PEA measurement of low-density polyethylene using spin-coated P(VDF-TrFE) film and acoustic propagation analysis based on viscoelasticity. Electronics and Communications in Japan, 2021, 104, 18-25.	0.5	0

#	ARTICLE	IF	CITATIONS
37	Photoluminescence enhancement of dye-doped polymer films covered with electrospun nanofibers. Japanese Journal of Applied Physics, 2021, 60, 100904.	1.5	0
38	Saturation Current Produced by Exponential Decrease in Local Mobility in Low-density Polyethylene with Charge Packet. IEEJ Transactions on Fundamentals and Materials, 2021, 141, 540-545.	0.2	0
39	Spectroscopic Measurement of Faint Light Produced by Rapid Separation of an Adhesive Tape. Journal of Light and Visual Environment, 2006, 30, 61-63.	0.2	0
40	Influence of Polarity-reversed Time of Applied Voltage on Surface Discharge Treatment for Gas-phase Toluene with Humidity. IEEJ Transactions on Fundamentals and Materials, 2015, 135, 473-480.	0.2	0
41	Growth Promotion of Mung Bean Produced by Barrier Discharge with Ventilation Cooling. IEEJ Transactions on Fundamentals and Materials, 2019, 139, 410-411.	0.2	0