Ryotaro Ozaki

List of Publications by Year
in descending order

52 papers	762 citations	840776 11 h-index	526287 27 g-index
52 all docs	52 docs citations	52 times ranked	457 citing authors

#	Article	IF	Citations
1	Influence of Pulsed Discharge Timing on Decolorization of Indigo-carmine Solution with Periodic Electrospray. IEEJ Transactions on Fundamentals and Materials, 2022, 142, 132-137.	0.2	3
2	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
3	Electric field analysis in chiral liquid crystals by Berremanâ€™s 4ÂÃ—Â4 matrix method. Japanese Journal of Applied Physics, 2022, 61, 061006.	1.5	2
4	PEA measurement of lowâ€density polyethylene using spinâ€coated P(VDFâ€TrFE) film and acoustic propagation analysis based on viscoelasticity. Electronics and Communications in Japan, 2021, 104, 18-25.	0.5	0
5	Structural colors of pearls. Scientific Reports, 2021, 11, 15224.	3.3	4
6	Calculation of electrospray profile in multi-electrode system for plasma treatment. , 2021, , .		1
7	Polarity Effect of Large Current Spikes Produced by Artificial Charge Injection from Gas Phase into LDPE sheet. , 2021, , .		0
8	Photoluminescence enhancement of dye-doped polymer films covered with electrospun nanofibers. Japanese Journal of Applied Physics, 2021, 60, 100904.	1.5	0
9	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
10	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
11	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
12	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
13	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
14	Simple model for estimating band edge wavelengths of selective reflection from cholesteric liquid crystals for oblique incidence. Physical Review E, 2019, 100, 012708.	2.1	9
15	Optical properties of selective diffraction from Bragg-Berry cholesteric liquid crystal deflectors. OSA Continuum, 2019, 2, 3554.	1.8	18
16	Space Charge Measurement Using Pulse Electroacoustic Method with a Spin-coated Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 139, 1134-1139.	0.2	1
17	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
18	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

#	Article	IF	Citations
19	Luminescent color control of Langmuir-Blodgett film by emission enhancement using a planar metal layer. Scientific Reports, 2018, 8, 17119.	3.3	6
20	Optimization of High Voltage Ripples for Alternate Propagations of Streamer Discharges and Water Droplets Produced by Electrospray. , 2018, , .		0
21	Optimization of High Voltage Ripples for Alternate Propagations of Streamer Discharges and Water Droplets Produced by Electrospray. , 2018, , .		1
22	Inheritance and characteristics associated with growth of the thickness of the nacreous elemental lamina of pearl oysters Pinctada fucata. Nippon Suisan Gakkaishi, 2018, 84, 221-232.	0.1	1
23	Influence of the thickness of the nacreous elemental lamina of the pearl oyster <i>Pinctada fucata</i> used as donor oysters on the pearls. Nippon Suisan Gakkaishi, 2017, 83, 981-995.	0.1	7
24	Electrical and Optical Characteristics of Nematic Liquid Crystal/Nanofibers Composite Device. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 704-709.	0.2	2
25	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
26	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
27	Electroviscous effect of ionic liquids measured by using shear horizontal wave. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 2500-2506.	2.9	2
28	Electrically Rotatable Polarizer Using One-Dimensional Photonic Crystal with a Nematic Liquid Crystal Defect Layer. Crystals, 2015, 5, 394-404.	2.2	3
29	Dielectric Multilayer Including Azobenzene Polymer Liquid Crystal with Non-quarter-wave Stack. Molecular Crystals and Liquid Crystals, 2015, 611, 1-13.	0.9	1
30	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
31	Director orientation of nematic liquid crystal using orientated nanofibers obtained by electrospinning. Japanese Journal of Applied Physics, 2014, 53, 01AE03.	1.5	7
32	Polarity-reversed voltage pulse propagation analysis for power cable insulation diagnosis. , 2014, , .		1
33	Optical properties of self-assembled anisotropic gold nanoparticles. , 2014, , .		0
34	Wavelength and bandwidth tunable photonic stopband of ferroelectric liquid crystals. Optics Express, 2012, 20, 6191.	3.4	13
35	Linearly polarized lasing in one-dimensional hybrid photonic crystal containing cholesteric liquid crystal. Journal of Applied Physics, 2007, 101, 033120.	2.5	16
36	Low-threshold and high efficiency lasing upon band-edge excitation in a cholesteric liquid crystal. Applied Physics Letters, 2007, 90, 091114.	3.3	70

#	Article	IF	Citations
37	Defect Mode in Cholesteric Liquid Crystal Consisting of Two Helicoidal Periodicities. Japanese Journal of Applied Physics, 2006, 45, 493-496.	1.5	29
38	Optical properties and electric field enhancement in cholesteric liquid crystal containing different periodicities. Journal of Applied Physics, 2006, 100, 023102.	2.5	16
39	Light Localization and Lasing Characteristics in One-dimensional Photonic Crystal with a Helix Defect of Ferroelectric Liquid Crystal. Ferroelectrics, 2006, 344, 239-245.	0.6	3
40	Light propagation analysis and high-speed electro-optic switching in one-dimensional photonic crystal with nematic liquid crystal defect layer. Electronics and Communications in Japan, 2005, 88, 46-53.	0.2	4
41	Tunable Defect Mode in One-Dimensional Photonic Crystal with Liquid Crystal Defect Layer. Molecular Crystals and Liquid Crystals, 2005, 433, 247-257.	0.9	8
42	Low Driving Voltage Tunable Laser Based on One-dimensional Photonic Crystal Containing Liquid Crystal Defect Layer. Molecular Crystals and Liquid Crystals, 2005, 441, 87-95.	0.9	5
43	Laser Action Based on Electrically Controllable Defect Mode in One-Dimensional Photonic Crystal Containing Conducting Polymer and Liquid Crystal Defect Layers. Molecular Crystals and Liquid Crystals, 2005, 433, 237-245.	0.9	3
44	Optical property of electro-tunable defect mode in 1D periodic structure with light crystal defect layer. Electronics and Communications in Japan, 2004, 87, 24-31.	0.2	5
45	Electrically wavelength tunable laser based on one-dimensional structure with liquid crystal defect layer. Electronics and Communications in Japan, 2004, 87, 1-8.	0.2	1
46	Fast Electrooptic Response Based on Defect Mode Switching in One-Dimensional Photonic Crystal Containing Nematic Liquid Crystal and Ferroelectric Liquid Crystal as a Defect Layer. Ferroelectrics, 2004, 312, 63-69.	0.6	0
47	Electrically tunable lasing based on defect mode in one-dimensional photonic crystal with conducting polymer and liquid crystal defect layer. Applied Physics Letters, 2004, 84, 1844-1846.	3.3	70
48	FLEXIBLE LASERS MADE FROM CHOLESTERIC LIQUID CRYSTAL POLYMERS. Molecular Crystals and Liquid Crystals, 2004, 413, 507-514.	0.9	1
49	Novel tunable optical properties of liquid crystals, conjugated molecules and polymers in nanoscale periodic structures as photonic crystals. Macromolecular Symposia, 2004, 212, 179-190.	0.7	9
50	Electrically color-tunable defect mode lasing in one-dimensional photonic-band-gap system containing liquid crystal. Applied Physics Letters, 2003, 82, 3593-3595.	3.3	184
51	Twist-Defect-Mode Lasing in Photopolymerized Cholesteric Liquid Crystal. Japanese Journal of Applied Physics, 2003, 42, L472-L475.	1.5	72
52	Flexible mirrorless laser based on a free-standing film of photopolymerized cholesteric liquid crystal. Applied Physics Letters, 2002, 81, 3741-3743.	3.3	150