

Ryotaro Ozaki

List of Publications by Year in descending order

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52
papers

762
citations

840776

11
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526287

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52
all docs

52
docs citations

52
times ranked

457
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrically color-tunable defect mode lasing in one-dimensional photonic-band-gap system containing liquid crystal. <i>Applied Physics Letters</i> , 2003, 82, 3593-3595.	3.3	184
2	Flexible mirrorless laser based on a free-standing film of photopolymerized cholesteric liquid crystal. <i>Applied Physics Letters</i> , 2002, 81, 3741-3743.	3.3	150
3	Twist-Defect-Mode Lasing in Photopolymerized Cholesteric Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , 2003, 42, L472-L475.	1.5	72
4	Electrically tunable lasing based on defect mode in one-dimensional photonic crystal with conducting polymer and liquid crystal defect layer. <i>Applied Physics Letters</i> , 2004, 84, 1844-1846.	3.3	70
5	Low-threshold and high efficiency lasing upon band-edge excitation in a cholesteric liquid crystal. <i>Applied Physics Letters</i> , 2007, 90, 091114.	3.3	70
6	Defect Mode in Cholesteric Liquid Crystal Consisting of Two Helicoidal Periodicities. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 493-496.	1.5	29
7	Optical properties of selective diffraction from Bragg-Berry cholesteric liquid crystal deflectors. <i>OSA Continuum</i> , 2019, 2, 3554.	1.8	18
8	Optical properties and electric field enhancement in cholesteric liquid crystal containing different periodicities. <i>Journal of Applied Physics</i> , 2006, 100, 023102.	2.5	16
9	Linearly polarized lasing in one-dimensional hybrid photonic crystal containing cholesteric liquid crystal. <i>Journal of Applied Physics</i> , 2007, 101, 033120.	2.5	16
10	Wavelength and bandwidth tunable photonic stopband of ferroelectric liquid crystals. <i>Optics Express</i> , 2012, 20, 6191.	3.4	13
11	Analysis of Attenuation and Dispersion of Acoustic Waves in Low-Density Polyethylene. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020, 27, 2007-2013.	2.9	12
12	Novel tunable optical properties of liquid crystals, conjugated molecules and polymers in nanoscale periodic structures as photonic crystals. <i>Macromolecular Symposia</i> , 2004, 212, 179-190.	0.7	9
13	Simple model for estimating band edge wavelengths of selective reflection from cholesteric liquid crystals for oblique incidence. <i>Physical Review E</i> , 2019, 100, 012708.	2.1	9
14	Tunable Defect Mode in One-Dimensional Photonic Crystal with Liquid Crystal Defect Layer. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 433, 247-257.	0.9	8
15	Director orientation of nematic liquid crystal using orientated nanofibers obtained by electrospinning. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 01AE03.	1.5	7
16	Influence of the thickness of the nacreous elemental lamina of the pearl oyster <i>Pinctada fucata</i> used as donor oysters on the pearls. <i>Nippon Suisan Gakkaishi</i> , 2017, 83, 981-995.	0.1	7
17	Luminescent color control of Langmuir-Blodgett film by emission enhancement using a planar metal layer. <i>Scientific Reports</i> , 2018, 8, 17119.	3.3	6
18	Wavelength and bandwidth control of stop band of ferroelectric liquid crystals by varying incident angle and electric field. <i>Applied Physics Express</i> , 2020, 13, 051003.	2.4	6

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19	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
20	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
21	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
22	Structural colors of pearls. Scientific Reports, 2021, 11, 15224.	3.3	4
23	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
24	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
25	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
26	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
27	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
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	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
30	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
31	Electrical and Optical Characteristics of Nematic Liquid Crystal/Nanofibers Composite Device. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 704-709.	0.2	2
32	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
33	Electric field analysis in chiral liquid crystals by Berreman's 4 \times 4 matrix method. Japanese Journal of Applied Physics, 2022, 61, 061006.	1.5	2
34	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
35	FLEXIBLE LASERS MADE FROM CHOLESTERIC LIQUID CRYSTAL POLYMERS. Molecular Crystals and Liquid Crystals, 2004, 413, 507-514.	0.9	1
36	Polarity-reversed voltage pulse propagation analysis for power cable insulation diagnosis. , 2014, , .		1

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37	Dielectric Multilayer Including Azobenzene Polymer Liquid Crystal with Non-quarter-wave Stack. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 611, 1-13.	0.9	1
38	Optimization of High Voltage Ripples for Alternate Propagations of Streamer Discharges and Water Droplets Produced by Electrospray. , 2018, , .		1
39	Calculation of electrospray profile in multi-electrode system for plasma treatment. , 2021, , .		1
40	Space Charge Measurement Using Pulse Electroacoustic Method with a Spin-coated Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf s 139, 1134-1139.	0.2	1
41	Loss of Sciophilous Character of Tomato Seed Subjected to Barrier Discharge Produced by Polarity-reversed Voltage Pulse in ns Range. <i>IEEJ Transactions on Fundamentals and Materials</i> , 2016, 136, 434-441.	0.2	1
42	Inheritance and characteristics associated with growth of the thickness of the nacreous elemental lamina of pearl oysters <i>Pinctada fucata</i>. <i>Nippon Suisan Gakkaishi</i> , 2018, 84, 221-232.	0.1	1
43	PEA Measurement of Low Density Polyethylene using Spin-coated P(VDF-TrFE) Film and Acoustic Propagation Analysis based on Viscoelasticity. <i>IEEJ Transactions on Fundamentals and Materials</i> , 2020, 140, 439-444.	0.2	1
44	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. <i>Ferroelectrics</i> , 2004, 312, 63-69.	0.6	0
45	Optical properties of self-assembled anisotropic gold nanoparticles. , 2014, , .		0
46	Optimization of High Voltage Ripples for Alternate Propagations of Streamer Discharges and Water Droplets Produced by Electrospray. , 2018, , .		0
47	PEA measurement of low density polyethylene using spin coated P(VDF TrFE) film and acoustic propagation analysis based on viscoelasticity. <i>Electronics and Communications in Japan</i> , 2021, 104, 18-25.	0.5	0
48	Polarity Effect of Large Current Spikes Produced by Artificial Charge Injection from Gas Phase into LDPE sheet. , 2021, , .		0
49	Photoluminescence enhancement of dye-doped polymer films covered with electrospun nanofibers. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 100904.	1.5	0
50	Saturation Current Produced by Exponential Decrease in Local Mobility in Low-density Polyethylene with Charge Packet. <i>IEEJ Transactions on Fundamentals and Materials</i> , 2021, 141, 540-545.	0.2	0
51	Influence of Polarity-reversed Time of Applied Voltage on Surface Discharge Treatment for Gas-phase Toluene with Humidity. <i>IEEJ Transactions on Fundamentals and Materials</i> , 2015, 135, 473-480.	0.2	0
52	Growth Promotion of Mung Bean Produced by Barrier Discharge with Ventilation Cooling. <i>IEEJ Transactions on Fundamentals and Materials</i> , 2019, 139, 410-411.	0.2	0