

Hisao Yanagi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Observation of Size-Dependent Optical Properties Based on Surface and Quantum Effects in Nanocrystals of 5,5'-bis(4-biphenyl)-2,2'-bithiophene. <i>Advanced Photonics Research</i> , 2022, 3, .	3.6	2
2	Optically Pumped Lasing Based on Vibrationally Dressed Exciton Polaritons in a Single-Crystal Molecular Cavity at Room Temperature. <i>ACS Photonics</i> , 2022, 9, 2015-2023.	6.6	4
3	Development of a Spacerless Flow-Cell Cavity for Vibrational Polaritons. <i>Journal of Physical Chemistry B</i> , 2022, 126, 4689-4696.	2.6	3
4	Impact of material parameters on strong exciton-photon coupling states formed in microcrystal resonators of p- and n-type thiophene/phenylene co-oligomers. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11189-11197.	5.5	6
5	Distributed feedback laser with methylammonium lead bromide embedded in channel-type waveguides. <i>Japanese Journal of Applied Physics</i> , 2021, 60, SBBH11.	1.5	2
6	Anisotropic light-matter coupling and below-threshold excitation dynamics in an organic crystal microcavity. <i>Optics Express</i> , 2021, 29, 26433.	3.4	4
7	Micro-ring laser with CH ₃ NH ₃ PbBr ₃ /PEO composite coated inside microcapillary. <i>AIP Advances</i> , 2021, 11, 095301.	1.3	1
8	Fabrication of low-dimensional microstructures with distyrylbenzene derivatives. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SDDA07.	1.5	0
9	Lasing in low-dimensional single crystals of hexyl-substituted thiophene/phenylene co-oligomer. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SGGG02.	1.5	1
10	Indication of cooperative light amplification in 5,5'-bis(4-biphenyl)-2,2':5,2'-terthiophene single crystals at room temperature. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SDDB02.	1.5	3
11	Organic light-emitting diodes with a PIN structure of only thiophene/phenylene co-oligomer derivatives. <i>Japanese Journal of Applied Physics</i> , 2020, 59, 041004.	1.5	4
12	Synthesis and characterization of methoxy- or cyano-substituted thiophene/phenylene co-oligomers for lasing application. <i>RSC Advances</i> , 2020, 10, 24057-24062.	3.6	4
13	Whispering Gallery Mode Lasing from CH ₃ NH ₃ PbBr ₃ /PEO Composites Grown in a Microcapillary. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3242-3249.	3.1	3
14	Solvent-free microwave-assisted synthesis of imidazo[1,5- a]pyridine and quinoline derivatives. <i>Synthetic Communications</i> , 2019, , 1-10.	2.1	3
15	Strong exciton-photon coupling in organic microcavity electroluminescence devices with thiophene/phenylene co-oligomer derivatives. <i>Applied Physics Express</i> , 2019, 12, 111002.	2.4	2
16	Cooperative Behaviors in Amplified Emission from Single Microcrystals of Thiophene/Phenylene Co-oligomers toward Organic Polariton Laser. <i>Advanced Optical Materials</i> , 2019, 7, 1900136.	7.3	4
17	Enhanced Magneto-Optical Activities of Modulated FePt Multilayer Metamaterials. <i>Physical Review Applied</i> , 2019, 11, .	3.8	3
18	Optically pumped lasing of cyano-substituted thiophene/phenylene co-oligomer microcrystals fabricated by the slide boat method. <i>Japanese Journal of Applied Physics</i> , 2019, 58, SBBG05.	1.5	1

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19	Single-crystal perovskite $\text{CH}_3\text{NH}_3\text{PbBr}_3$ prepared by cast capping method for light-emitting diodes. Japanese Journal of Applied Physics, 2018, 57, 04FL10.	1.5	28
20	Ultrafast Dynamics of Polariton Cooling and Renormalization in an Organic Single-Crystal Microcavity under Nonresonant Pumping. ACS Photonics, 2018, 5, 2182-2188.	6.6	21
21	Self-Assembled Organic Crystalline Microring Cavities with High Q-Factors. ChemNanoMat, 2018, 4, 936-942.	2.8	2
22	Microwave Spectroscopy of a Single Permalloy Chiral Metamolecule on a Coplanar Waveguide. Physical Review Applied, 2018, 9, .	3.8	4
23	Quantitative evaluation of light-matter interaction parameters in organic single-crystal microcavities. Optics Letters, 2018, 43, 1047.	3.3	10
24	Whispering gallery mode lasing in lead halide perovskite crystals grown in microcapillary. Applied Physics Letters, 2018, 113, .	3.3	20
25	Recent Progress in Studies of Room-Temperature Cavity Polariton in Organic Compounds. The Review of Laser Engineering, 2018, 46, 20.	0.0	0
26	Fabrication of polycrystalline films of cyano-substituted thiophene/phenylene co-oligomer by vaporized film deposition method. Journal of Crystal Growth, 2017, 468, 792-795.	1.5	2
27	Efficient solid-state perovskite solar cells based on nanostructured zinc oxide designed by strategic low temperature water oxidation. Journal of Materials Chemistry C, 2017, 5, 8059-8070.	5.5	45
28	Optically pumped lasing in solution-processed perovskite semiconducting materials: Self-assembled Fabry-Pérot microcavity. Japanese Journal of Applied Physics, 2017, 56, 04CL07.	1.5	12
29	Formation of zinc oxide nanostructures by wet oxidation of vacuum deposited Zn thin film. Optical and Quantum Electronics, 2017, 49, 1.	3.3	22
30	Organic Nanowire Lasers with Epitaxially Grown Crystals of Semiconducting Oligomers. ChemNanoMat, 2017, 3, 625-631.	2.8	5
31	Surface-emitting vertical cavity with vapor-grown single crystal of cyano-substituted thiophene/phenylene co-oligomer. Japanese Journal of Applied Physics, 2017, 56, 04CL02.	1.5	5
32	Single-crystal perovskites prepared by simple solution process: Cast-capping method. Journal of Crystal Growth, 2017, 468, 796-799.	1.5	27
33	Microneedle crystals of cyano-substituted thiophene/phenylene co-oligomer epitaxially grown on KCl surface. Journal of Crystal Growth, 2017, 468, 800-803.	1.5	2
34	Magnetic Properties of Fibonacci-Modulated Fe-Au Multilayer Metamaterials. Materials, 2017, 10, 1209.	2.9	7
35	Fluorescence and amplified emission properties of single-crystal 2,5-bis(4-biphenyl)thiophene. Molecular Crystals and Liquid Crystals, 2016, 629, 229-234.	0.9	2
36	Optically pumped lasing in single crystals of organometal halide perovskites prepared by cast-capping method. Applied Physics Letters, 2016, 108, 261105.	3.3	40

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37	Strong exciton-photon coupling in organic single crystal microcavity with high molecular orientation. Applied Physics Letters, 2016, 109, .	3.3	16
38	Self-cavity lasing in optically pumped single crystals of <i>p</i> -sexiphenyl. AIP Advances, 2016, 6, .	1.3	1
39	Fabrication and characterization of silver mirror planar microcavity with dye "aggregates. Materials Letters, 2016, 168, 210-213.	2.6	4
40	Terahertz wave emission from plasmonic chiral metasurfaces. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	7
41	Ferromagnetic Resonance of a Single Magneto-chiral Metamolecule of Permalloy. Physical Review Applied, 2016, 6, .	3.8	9
42	Improved electroluminescence with reversed bilayers of thiophene/phenylene co-oligomer derivatives. Japanese Journal of Applied Physics, 2016, 55, 03DC13.	1.5	9
43	Organic Light-Emitting Diodes with Heterojunction of Thiophene/Phenylene Co-Oligomer Derivatives. Journal of Nanoscience and Nanotechnology, 2016, 16, 3194-3199.	0.9	16
44	Fabrication and ferromagnetic resonance of cobalt chiral meta-molecule arrays. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	5
45	Vertical cavity lasing from melt-grown crystals of cyano-substituted thiophene/phenylene co-oligomer. Applied Physics Letters, 2015, 107, 163303.	3.3	18
46	Light Amplification in Low-Dimensional Crystals of Thiophene/Phenylene Co-oligomer Derivatives. , 2015, , 635-654.		2
47	Vertical cavity surface emitting lasing from cyano-substituted thiophene/phenylene co-oligomer single crystals. Applied Physics Letters, 2014, 104, 253301.	3.3	19
48	Optically Pumped Lasing from Single Crystals of a Cyano-Substituted Thiophene/Phenylene Co-Oligomer. Advanced Optical Materials, 2014, 2, 529-534.	7.3	38
49	Optically pumped lasing from single-crystal cavity of <i>p</i> -phenylene oligomer. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2014, 5, 045013.	1.5	5
50	Processing condition dependence of time-resolved photoluminescence in thiophene/phenylene co-oligomer microcavities. Japanese Journal of Applied Physics, 2014, 53, 01AD07.	1.5	2
51	Alkyl-monosubstituted thiophene/phenylene co-oligomers: Synthesis, thin film preparation, and transistor device characteristics. Organic Electronics, 2014, 15, 1481-1492.	2.6	18
52	Lifetime reduction of a quantum emitter with quasiperiodic metamaterials. Physical Review B, 2014, 90, .	3.2	12
53	Hybrid crystals based on thiophene/phenylene co-oligomers. Displays, 2013, 34, 442-446.	3.7	4
54	Ambipolar field-effect transistors with bilayered thiophene/phenylene co-oligomers. Organic Electronics, 2013, 14, 80-85.	2.6	6

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55	Field Electron Emission from Carbon Nanotube/ZnO Composite Films Prepared by Electrodeposition. Japanese Journal of Applied Physics, 2013, 52, 091801.	1.5	2
56	Chiral meta-interface: Polarity reversal of ellipticity through double layers consisting of transparent chiral and absorptive achiral media. Physical Review B, 2013, 87, .	3.2	10
57	Resonant stimulation of Raman scattering from single-crystal thiophene/phenylene co-oligomers. Applied Physics Letters, 2013, 103, .	3.3	6
58	Refractive Index Measurements of Well-Defined Polygon Crystals of Thiophene/Phenylene Co-Oligomers. Japanese Journal of Applied Physics, 2012, 51, 11PD03.	1.5	6
59	Optically pumped lasing from vapor-grown crystals of methoxy-substituted thiophene/phenylene co-oligomer. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2437-2440.	1.8	12
60	Optical properties of dye-doped polymer films incorporating photonic nanostructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2485-2488.	0.8	1
61	Plasmonic circular dichroism using Au fine particles and riboflavin. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2529-2532.	0.8	6
62	Fabrication and optical properties of Mn ²⁺ -doped CdS/ZnS core/shell nanocrystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2469-2472.	0.8	3
63	Single Crystals of 5,5'-Bis(4-methoxyphenyl)-2,2'-bithiophene for Organic Laser Media. Advanced Materials, 2012, 24, 5744-5749.	21.0	95
64	Lasing from Epitaxially Oriented Needle Crystals of a Thiophene/Phenylene Co-Oligomer. Advanced Materials, 2012, 24, 2404-2408.	21.0	53
65	Refractive Index Measurements of Well-Defined Polygon Crystals of Thiophene/Phenylene Co-Oligomers. Japanese Journal of Applied Physics, 2012, 51, 11PD03.	1.5	9
66	Fabrication of Carbon Nanotube/Zinc Oxide Composite Films by Electrodeposition. Japanese Journal of Applied Physics, 2011, 50, 085504.	1.5	3
67	Prethreshold Lasing with Time-Delayed Pulse Emission from a Single Crystal of Thiophene/Phenylene Co-Oligomer. Applied Physics Express, 2011, 4, 062601.	2.4	16
68	Electromagnetic-Field Enhancement and Energy Transfer Effects on Photoluminescence in Au/Poly(methyl methacrylate)/CdSe-Nanoparticle Multilayers. Journal of the Physical Society of Japan, 2011, 80, 014704.	1.6	2
69	A comparative study of photoluminescence of Zn-polar and O-polar faces in single crystal ZnO using moment analysis. Applied Physics Letters, 2011, 98, 061907.	3.3	11
70	Fabrication of Carbon Nanotube/Zinc Oxide Composite Films by Electrodeposition. Japanese Journal of Applied Physics, 2011, 50, 085504.	1.5	1
71	Surface-emitting dye-doped polymer laser coupled with stimulated resonant Raman scattering. Applied Physics Letters, 2010, 96, .	3.3	7
72	Amplified Pulse Emissions with Variable Delay Times in Vibronic Transition Bands of Thiophene/Phenylene Co-Oligomer Single Crystals. Japanese Journal of Applied Physics, 2010, 49, 052401.	1.5	7

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73	Field Electron Emission Devices with Oriented Carbon Nanotubes Dispersed in Aluminum Composites. Japanese Journal of Applied Physics, 2010, 49, 085102.	1.5	5
74	Characterization of Gain-Narrowed Emission from Biphenyl-Capped Thiophene Single Crystals. Japanese Journal of Applied Physics, 2010, 49, 01AD05.	1.5	4
75	Resonant photon transport through metal-insulator-metal multilayers consisting of Ag and SiO_2 . Physical Review B, 2010, 82, .	3.2	10
76	Excitation Processes of Photoluminescence and Origin of Absorption Peak Shift in ZnO Porous Films Modified with Eu Ions. Japanese Journal of Applied Physics, 2010, 49, 031106.	1.5	4
77	Dye-doped polymer microring laser coupled with stimulated resonant Raman scattering. Applied Physics Letters, 2009, 95, 033306.	3.3	15
78	Photoluminescence from Donor-Acceptor Molecular Systems via Long Distance Energy Transfer Mediated by Surface Plasmons. Japanese Journal of Applied Physics, 2009, 48, 042001.	1.5	5
79	Electrodeposition of Inorganic/Organic Hybrid Thin Films. Advanced Functional Materials, 2009, 19, 17-43.	14.9	315
80	Gain-narrowed emissions of thiophene/phenylene co-oligomer single crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 338-341.	0.8	18
81	Side electron emission device using a composite of carbon nanofibers and aluminum. Thin Solid Films, 2009, 518, 530-533.	1.8	4
82	Loss monitoring in resonant photon tunneling through metal and dielectric multi-layer metamaterials. , 2009, , .		1
83	Photoluminescence dynamics of thiophene/phenylene co-oligomer thin films based on Förster energy transfer. Thin Solid Films, 2008, 516, 2700-2703.	1.8	12
84	Organic heterojunction ambipolar field effect transistors with asymmetric source and drain electrodes. Thin Solid Films, 2008, 516, 2758-2761.	1.8	4
85	Resonant photon tunneling via surface plasmon polaritons through one-dimensional metal-dielectric metamaterials. Optics Express, 2008, 16, 9942.	3.4	26
86	Light Amplification Induced by Stimulated Resonance Raman Scattering in Poly(phenylene vinylene) Thin Films. Japanese Journal of Applied Physics, 2008, 47, 1188-1191.	1.5	5
87	Side electron emission device using carbon nanofiber/elastomer composite sheet. Applied Physics Letters, 2008, 92, .	3.3	15
88	Development and Electronic and Photonic Characteristics of Thiophene/Phenylene Co-Oligomers. International Journal of Polymeric Materials and Polymeric Biomaterials, 2008, 57, 515-531.	3.4	9
89	Ambipolar organic light emitting field effect transistors with modified asymmetric electrodes. Applied Physics Letters, 2007, 90, 162108.	3.3	74
90	Stimulated resonance Raman scattering from dye-doped polymer waveguides. Applied Physics Letters, 2006, 88, 191104.	3.3	10

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91	Pulse-Shaped Emissions with Time Delay in Single Crystals of Thiophene/Phenylene Co-Oligomers. Japanese Journal of Applied Physics, 2006, 45, L1206-L1208.	1.5	21
92	Polarization Dependence of Stimulated Resonance Raman Scattering from a Single Crystal of Biphenyl-Capped Thiophene. Japanese Journal of Applied Physics, 2006, 45, 483-487.	1.5	16
93	High-Brightness Electron Emission from Flexible Carbon Nanotube/Elastomer Nanocomposite Sheets. Japanese Journal of Applied Physics, 2006, 45, L1186-L1189.	1.5	21
94	Carbon Nanotube/Aluminum Composites As a Novel Field Electron Emitter. Japanese Journal of Applied Physics, 2006, 45, L650-L653.	1.5	18
95	Stimulated resonance Raman scattering from polyphenylenevinylene thin film waveguides. Applied Physics Letters, 2006, 89, 141114.	3.3	9
96	Enhancement of 1.54- μ m emission from Er-doped sol-gel SiO ₂ films by Au nanoparticles doping. Journal of Applied Physics, 2005, 98, 024316.	2.5	73
97	Mirrorless lasing from thiophene-phenylene co-oligomer crystals based on stimulated resonance Raman scattering. Journal of Applied Physics, 2004, 96, 4240-4244.	2.5	41
98	Stimulated resonance Raman scattering from epitaxially oriented crystals of biphenyl-capped thiophene. Applied Physics Letters, 2004, 84, 4783-4785.	3.3	29
99	Stimulated resonance Raman scattering from single crystals of a thiophene/phenylene co-oligomer. Applied Physics Letters, 2003, 83, 1941-1943.	3.3	50
100	Emission gain narrowing from single crystals of a thiophene/phenylene co-oligomer. Applied Physics Letters, 2002, 80, 544-546.	3.3	118
101	Electroluminescence from low-dimensionally confined crystals of thiophene/p-phenylene co-oligomers. Applied Physics Letters, 2002, 81, 1512-1514.	3.3	67
102	Light Emitting Properties of Molecular Thin Films with Epitaxially Oriented and Confined Structures. Molecular Crystals and Liquid Crystals, 2001, 370, 9-15.	0.3	2
103	Self-Organized Organic Microdots of Fluorescent Diaminodistyrylbenzene Molecules. Langmuir, 2001, 17, 5491-5495.	3.5	6
104	Electrochromic redox reactions of vapour-deposited thin films of tetrapyrrodotetraazaporphyrinatozinc(II). Journal of Porphyrins and Phthalocyanines, 2000, 04, 112-122.	0.8	9
105	Optical Sensing by Silica/Titania Thin Films Doped with Oxcarbocyanine Dye. Journal of Sol-Gel Science and Technology, 2000, 19, 765-767.	2.4	3
106	Polarized blue light-emission from epitaxially oriented bis(phenyloxazolyl)benzene crystals. Applied Physics Letters, 2000, 76, 3406-3408.	3.3	13
107	Self-waveguided blue light emission in p-sexiphenyl crystals epitaxially grown by mask-shadowing vapor deposition. Applied Physics Letters, 1999, 75, 187-189.	3.3	220
108	Nanofabrication of Gold Particles in Glass Films by AFM-Assisted Local Reduction. Langmuir, 1999, 15, 4773-4776.	3.5	20

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109	Fluorescence Patterning in Dye-Doped Sol-Gel Films by Generation of Gold Nanoparticles. Chemistry of Materials, 1999, 11, 2626-2628.	6.7	31
110	Scanning Probe Microscopic Characterization of Surface-Modified n-TiO ₂ Single-Crystal Electrodes. Langmuir, 1998, 14, 3405-3410.	3.5	28
111	Epitaxial structuring of blue light-emitting p-phenylene oligomers. Applied Physics Letters, 1998, 73, 563-565.	3.3	93
112	Dye-Sensitizing Effect of TiOPc Thin Film on n-TiO ₂ (001) Surface. The Journal of Physical Chemistry, 1996, 100, 5447-5451.	2.9	70
113	Electrochromism of Orientation-Controlled Naphthalocyanine Thin Films. The Journal of Physical Chemistry, 1996, 100, 20097-20102.	2.9	16
114	An Optimal Design for Photovoltaic Properties of Two-Layer Organic Solar Cells Using Phthalocyanine and Perylene Derivatives. Molecular Crystals and Liquid Crystals, 1995, 267, 435-440.	0.3	19
115	Orientation-Controlled Organic Thin Films. , 1995, , 145-187.		0
116	Electrochromic Oxidation and Reduction of Cobalt and Zinc Naphthalocyanine Thin Films. Journal of the Electrochemical Society, 1994, 141, 64-70.	2.9	29
117	Improved photovoltaic properties for Au/AlPcCl/n-Si solar cells with morphology-controlled AlPcCl deposition. Journal of Applied Physics, 1994, 75, 568-576.	2.5	22
118	Electrical and photoconductive properties of orientation-controlled chloroaluminumphthalocyanine thin films. Journal of Applied Physics, 1994, 75, 2061-2068.	2.5	12
119	Epitaxial growth of naphthalocyanine thin films vacuum deposited on alkali halides. Journal of Applied Physics, 1993, 73, 3812-3819.	2.5	35
120	Epitaxial Growth of 5,10,15,20-Tetraphenylporphyrin Metal Complexes and Their Photovoltaic Properties. Molecular Crystals and Liquid Crystals, 1992, 218, 135-140.	0.3	3
121	Title is missing!. Die Makromolekulare Chemie, 1992, 193, 1903-1911.	1.1	14
122	Photoelectrochemical Properties of Orientation-Controlled Thin Film for 5,10,15,20-Tetraphenylporphyrin. Chemistry Letters, 1990, 19, 385-388.	1.3	26
123	Preparation and characterization of thin films of monomeric and polymeric octacyanophthalocyanines. Journal of Polymer Science Part A, 1989, 27, 3883-3893.	2.3	11
124	The Effect of the Substrate on the Epitaxial Growth of the Hexatriacontane Crystal. Bulletin of the Chemical Society of Japan, 1986, 59, 1437-1441.	3.2	19
125	Flexible Field Emission Device Using Carbon Nanofiber Nanocomposite Sheet. Applied Physics Express, 0, 1, 074004.	2.4	7
126	Optically pumped lasing in a single crystal cavity of thiophene/phenylene co-oligomers grown via improved crystal growth methods in solution. Applied Physics Express, 0, , .	2.4	1