Hisao Yanagi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1529616/publications.pdf

Version: 2024-02-01

126 papers	2,453 citations	257450 24 h-index	233421 45 g-index
127 all docs	127 docs citations	127 times ranked	2400 citing authors

#	Article	IF	Citations
1	Electrodeposition of Inorganic/Organic Hybrid Thin Films. Advanced Functional Materials, 2009, 19, 17-43.	14.9	315
2	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
3	Emission gain narrowing from single crystals of a thiophene/phenylene co-oligomer. Applied Physics Letters, 2002, 80, 544-546.	3.3	118
4	Single Crystals of 5,5â€²â€Bis(4â€²â€methoxybiphenylâ€4â€yl)â€2,2â€²â€bithiophene for Organic Laser Media. Advanced Materials, 2012, 24, 5744-5749.	21.0	95
5	Epitaxial structuring of blue light-emitting p-phenylene oligomers. Applied Physics Letters, 1998, 73, 563-565.	3.3	93
6	Ambipolar organic light emitting field effect transistors with modified asymmetric electrodes. Applied Physics Letters, 2007, 90, 162108.	3.3	74
7	Enhancement of 1.54-Î¼m emission from Er-doped sol-gel SiO2 films by Au nanoparticles doping. Journal of Applied Physics, 2005, 98, 024316.	2.5	73
8	Dye-Sensitizing Effect of TiOPc Thin Film on n-TiO2(001) Surface. The Journal of Physical Chemistry, 1996, 100, 5447-5451.	2.9	70
9	Electroluminescence from low-dimensionally confined crystals of thiophene/p-phenylene co-oligomers. Applied Physics Letters, 2002, 81, 1512-1514.	3.3	67
10	Lasing from Epitaxially Oriented Needle Crystals of a Thiophene/Phenylene Coâ€Oligomer. Advanced Materials, 2012, 24, 2404-2408.	21.0	53
11	Stimulated resonance Raman scattering from single crystals of a thiophene/phenylene co-oligomer. Applied Physics Letters, 2003, 83, 1941-1943.	3.3	50
12	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
13	Mirrorless lasing from thiopheneâ•phenylene co-oligomer crystals based on stimulated resonance Raman scattering. Journal of Applied Physics, 2004, 96, 4240-4244.	2.5	41
14	Optically pumped lasing in single crystals of organometal halide perovskites prepared by cast-capping method. Applied Physics Letters, 2016, 108, 261105.	3.3	40
15	Optically Pumped Lasing from Single Crystals of a Cyanoâ€Substituted Thiophene/Phenylene Coâ€Oligomer. Advanced Optical Materials, 2014, 2, 529-534.	7.3	38
16	Epitaxial growth of naphthalocyanine thin films vacuum deposited on alkali halides. Journal of Applied Physics, 1993, 73, 3812-3819.	2.5	35
17	Fluorescence Patterning in Dye-Doped Solâ”Gel Films by Generation of Gold Nanoparticles. Chemistry of Materials, 1999, 11, 2626-2628.	6.7	31
18	Electrochromic Oxidation and Reduction of Cobalt and Zinc Naphthalocyanine Thin Films. Journal of the Electrochemical Society, 1994, 141, 64-70.	2.9	29

#	Article	IF	Citations
19	Stimulated resonance Raman scattering from epitaxially oriented crystals of biphenyl-capped thiophene. Applied Physics Letters, 2004, 84, 4783-4785.	3.3	29
20	Scanning Probe Microscopic Characterization of Surface-Modified n-TiO2 Single-Crystal Electrodes. Langmuir, 1998, 14, 3405-3410.	3.5	28
21	Single-crystal perovskite CH₃NH₃PbBr₃ prepared by cast capping method for light-emitting diodes. Japanese Journal of Applied Physics, 2018, 57, 04FL10.	1.5	28
22	Single-crystal perovskites prepared by simple solution process: Cast-capping method. Journal of Crystal Growth, 2017, 468, 796-799.	1.5	27
23	Photoelectrochemical Properties of Orientation-Controlled Thin Film for 5,10,15,20-Tetraphenylporphyrin. Chemistry Letters, 1990, 19, 385-388.	1.3	26
24	Resonant photon tunneling via surface plasmon polaritons through one-dimensional metal-dielectric metamaterials. Optics Express, 2008, 16, 9942.	3.4	26
25	Improved photovoltaic properties for Au/AlPcCl/nâ€Si solar cells with morphologyâ€controlled AlPcCl deposition. Journal of Applied Physics, 1994, 75, 568-576.	2.5	22
26	Formation of zinc oxide nanostructures by wet oxidation of vacuum deposited Zn thin film. Optical and Quantum Electronics, 2017, 49, 1.	3.3	22
27	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
28	High-Brightness Electron Emission from Flexible Carbon Nanotube/Elastomer Nanocomposite Sheets. Japanese Journal of Applied Physics, 2006, 45, L1186-L1189.	1.5	21
29	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
30	Nanofabrication of Gold Particles in Glass Films by AFM-Assisted Local Reduction. Langmuir, 1999, 15, 4773-4776.	3.5	20
31	Whispering gallery mode lasing in lead halide perovskite crystals grown in microcapillary. Applied Physics Letters, 2018, 113, .	3.3	20
32	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
33	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
34	Vertical cavity surface emitting lasing from cyano-substituted thiophene/phenylene co-oligomer single crystals. Applied Physics Letters, 2014, 104, 253301.	3.3	19
35	Carbon Nanotube/Aluminum Composites As a Novel Field Electron Emitter. Japanese Journal of Applied Physics, 2006, 45, L650-L653.	1.5	18
36	Gainâ€narrowed emissions of thiophene/phenylene coâ€oligomer single crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 338-341.	0.8	18

#	Article	IF	Citations
37	Alkyl-monosubstituted thiophene/phenylene co-oligomers: Synthesis, thin film preparation, and transistor device characteristics. Organic Electronics, 2014, 15, 1481-1492.	2.6	18
38	Vertical cavity lasing from melt-grown crystals of cyano-substituted thiophene/phenylene co-oligomer. Applied Physics Letters, 2015, 107, 163303.	3.3	18
39	Electrochromism of Orientation-Controlled Naphthalocyanine Thin Films. The Journal of Physical Chemistry, 1996, 100, 20097-20102.	2.9	16
40	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
41	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
42	Strong exciton-photon coupling in organic single crystal microcavity with high molecular orientation. Applied Physics Letters, 2016, 109, .	3.3	16
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	Side electron emission device using carbon nanofiber/elastomer composite sheet. Applied Physics Letters, 2008, 92, .	3.3	15
45	Dye-doped polymer microring laser coupled with stimulated resonant Raman scattering. Applied Physics Letters, 2009, 95, 033306.	3.3	15
46	Title is missing!. Die Makromolekulare Chemie, 1992, 193, 1903-1911.	1.1	14
47	Polarized blue light-emission from epitaxially oriented bis(phenyloxazolyl)benzene crystals. Applied Physics Letters, 2000, 76, 3406-3408.	3.3	13
48	Electrical and photoconductive properties of orientationâ€controlled chloroaluminumphthalocyanine thin films. Journal of Applied Physics, 1994, 75, 2061-2068.	2.5	12
49	Photoluminescence dynamics of thiophene/phenylene co-oligomer thin films based on FÃ¶rster energy transfer. Thin Solid Films, 2008, 516, 2700-2703.	1.8	12
50	Optically pumped lasing from vaporâ€grown crystals of methoxyâ€substituted thiophene/phenylene coâ€oligomer. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2437-2440.	1.8	12
51	Lifetime reduction of a quantum emitter with quasiperiodic metamaterials. Physical Review B, 2014, 90, .	3.2	12
52	Optically pumped lasing in solution-processed perovskite semiconducting materials: Self-assembled Fabryâ€“PÃ©rot microcavity. Japanese Journal of Applied Physics, 2017, 56, 04CL07.	1.5	12
53	Preparation and characterization of thin films of monomeric and polymeric octacyanophthalocyanines. Journal of Polymer Science Part A, 1989, 27, 3883-3893.	2.3	11
54	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

#	Article	IF	Citations
55	Stimulated resonance Raman scattering from dye-doped polymer waveguides. Applied Physics Letters, 2006, 88, 191104.	3.3	10
56	Resonant photon transport through metal-insulator-metal multilayers consisting of Ag and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>SiO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu Physical Review B, 2010, 82, .	3.2	10
57	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
58	Quantitative evaluation of lightâ€“matter interaction parameters in organic single-crystal microcavities. Optics Letters, 2018, 43, 1047.	3.3	10
59	Electrochromic redox reactions of vapour-deposited thin films of tetrapyridotetraazaporphyrinatozinc(II). Journal of Porphyrins and Phthalocyanines, 2000, 04, 112-122.	0.8	9
60	Stimulated resonance Raman scattering from polyphenylenevinylene thin film waveguides. Applied Physics Letters, 2006, 89, 141114.	3.3	9
61	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
62	Ferromagnetic Resonance of a Single Magnetochiral Metamolecule of Permalloy. Physical Review Applied, 2016, 6, .	3.8	9
63	Improved electroluminescence with reversed bilayers of thiophene/phenylene co-oligomer derivatives. Japanese Journal of Applied Physics, 2016, 55, 03DC13.	1.5	9
64	Refractive Index Measurements of Well-Defined Polygon Crystals of Thiophene/Phenylene Co-Oligomers. Japanese Journal of Applied Physics, 2012, 51, 11PD03.	1.5	9
65	Flexible Field Emission Device Using Carbon Nanofiber Nanocomposite Sheet. Applied Physics Express, 0, 1, 074004.	2.4	7
66	Surface-emitting dye-doped polymer laser coupled with stimulated resonant Raman scattering. Applied Physics Letters, 2010, 96, .	3.3	7
67	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
68	Terahertz wave emission from plasmonic chiral metasurfaces. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	7
69	Magnetic Properties of Fibonacci-Modulated Fe-Au Multilayer Metamaterials. Materials, 2017, 10, 1209.	2.9	7
70	Self-Organized Organic Microdots of Fluorescent Diaminodistyrylbenzene Molecules. Langmuir, 2001, 17, 5491-5495.	3.5	6
71	Refractive Index Measurements of Well-Defined Polygon Crystals of Thiophene/Phenylene Co-Oligomers. Japanese Journal of Applied Physics, 2012, 51, 11PD03.	1.5	6
72	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

#	Article	IF	Citations
73	Ambipolar field-effect transistors with bilayered thiophene/phenylene co-oligomers. Organic Electronics, 2013, 14, 80-85.	2.6	6
74	Resonant stimulation of Raman scattering from single-crystal thiophene/phenylene co-oligomers. Applied Physics Letters, 2013, 103, .	3.3	6
75	Impact of material parameters on strong excitonâ€“photon coupling states formed in microcrystal resonators of p- and n-type thiophene/phenylene co-oligomers. Journal of Materials Chemistry C, 2021, 9, 11189-11197.	5.5	6
76	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
77	Photoluminescence from Donorâ€“Acceptor Molecular Systems via Long Distance Energy Transfer Mediated by Surface Plasmons. Japanese Journal of Applied Physics, 2009, 48, 042001.	1.5	5
78	Field Electron Emission Devices with Oriented Carbon Nanotubes Dispersed in Aluminum Composites. Japanese Journal of Applied Physics, 2010, 49, 085102.	1.5	5
79	Optically pumped lasing from single-crystal cavity of p -phenylene oligomer. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2014, 5, 045013.	1.5	5
80	Fabrication and ferromagnetic resonance of cobalt chiral meta-molecule arrays. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	5
81	Organic Nanowire Lasers with Epitaxially Grown Crystals of Semiconducting Oligomers. ChemNanoMat, 2017, 3, 625-631.	2.8	5
82	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
83	Organic heterojunction ambipolar field effect transistors with asymmetric source and drain electrodes. Thin Solid Films, 2008, 516, 2758-2761.	1.8	4
84	Side electron emission device using a composite of carbon nanofibers and aluminum. Thin Solid Films, 2009, 518, 530-533.	1.8	4
85	Characterization of Gain-Narrowed Emission from Biphenyl-Capped Thiophene Single Crystals. Japanese Journal of Applied Physics, 2010, 49, 01AD05.	1.5	4
86	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
87	Hybrid crystals based on thiophene/phenylene co-oligomers. Displays, 2013, 34, 442-446.	3.7	4
88	Fabrication and characterization of silver mirror planar microcavity with dye Jâ€“aggregates. Materials Letters, 2016, 168, 210-213.	2.6	4
89	Microwave Spectroscopy of a Single Permalloy Chiral Metamolecule on a Coplanar Waveguide. Physical Review Applied, 2018, 9, .	3.8	4
90	Cooperative Behaviors in Amplified Emission from Single Microcrystals of Thiophene/Phenylene Coâ€Oligomers toward Organic Polariton Laser. Advanced Optical Materials, 2019, 7, 1900136.	7.3	4

#	Article	IF	Citations
91	Organic light-emitting diodes with a PIN structure of only thiophene/phenylene co-oligomer derivatives. Japanese Journal of Applied Physics, 2020, 59, 041004.	1.5	4
92	Synthesis and characterization of methoxy- or cyano-substituted thiophene/phenylene co-oligomers for lasing application. RSC Advances, 2020, 10, 24057-24062.	3.6	4
93	Anisotropic light-matter coupling and below-threshold excitation dynamics in an organic crystal microcavity. Optics Express, 2021, 29, 26433.	3.4	4
94	Optically Pumped Lasing Based on Vibrationally Dressed Exciton Polaritons in a Single-Crystal Molecular Cavity at Room Temperature. ACS Photonics, 2022, 9, 2015-2023.	6.6	4
95	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
96	Optical Sensing by Silica/Titania Thin Films Doped with Oxacarbocyanine Dye. Journal of Sol-Gel Science and Technology, 2000, 19, 765-767.	2.4	3
97	Fabrication of Carbon Nanotube/Zinc Oxide Composite Films by Electrodeposition. Japanese Journal of Applied Physics, 2011, 50, 085504.	1.5	3
98	Fabrication and optical properties of Mn2+ -doped CdS/ZnS core/shell nanocrystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2469-2472.	0.8	3
99	Solvent-free microwave-assisted synthesis of imidazo[1,5- a]pyridine and â€“quinoline derivatives. Synthetic Communications, 2019, , 1-10.	2.1	3
100	Enhanced Magneto-Optical Activities of Modulated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Fe</mml:mi></mml:math> - <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Pt</mml:mi></mml:math> Multilayer Metamaterials. Physical Review Applied, 2019, 11, .	3.8	3
101	Indication of cooperative light amplification in 5,5â€³-bis(4-biphenylyl)â^'2,2â€²:5,2â€³-terthiophene single crystals at room temperature. Japanese Journal of Applied Physics, 2020, 59, SDDB02.	1.5	3
102	Whispering Gallery Mode Lasing from CH₃NH₃PbBr₃/PEO Composites Grown in a Microcapillary. Journal of Physical Chemistry C, 2020, 124, 3242-3249.	3.1	3
103	Development of a Spacerless Flow-Cell Cavity for Vibrational Polaritons. Journal of Physical Chemistry B, 2022, 126, 4689-4696.	2.6	3
104	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
105	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
106	Field Electron Emission from Carbon Nanotube/ZnO Composite Films Prepared by Electrodeposition. Japanese Journal of Applied Physics, 2013, 52, 091801.	1.5	2
107	Processing condition dependence of time-resolved photoluminescence in thiophene/phenylene co-oligomer microcavities. Japanese Journal of Applied Physics, 2014, 53, 01AD07.	1.5	2
108	Fluorescence and amplified emission properties of single-crystal 2,5-bis(4-biphenylyl)thiophene. Molecular Crystals and Liquid Crystals, 2016, 629, 229-234.	0.9	2

#	Article	IF	Citations
109	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
110	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
111	Selfâ€Assembled Organic Crystalline Microring Cavities with High Qâ€Factors. ChemNanoMat, 2018, 4, 936-942.	2.8	2
112	Strong exciton-photon coupling in organic microcavity electroluminescence devices with thiophene/phenylene co-oligomer derivatives. Applied Physics Express, 2019, 12, 111002.	2.4	2
113	Distributed feedback laser with methylammonium lead bromide embedded in channel-type waveguides. Japanese Journal of Applied Physics, 2021, 60, SBBH11.	1.5	2
114	Light Amplification in Low-Dimensional Crystals of Thiophene/Phenylene Co-oligomer Derivatives. , 2015, , 635-654.		2
115	Observation of Sizeâ€Dependent Optical Properties Based on Surface and Quantum Effects in Nanocrystals of 5,5â€²â€Bis(4â€Biphenylyl)â€2,2â€²â€Bithiophene. Advanced Photonics Research, 2022, 3, .	3.6	2
116	Loss monitoring in resonant photon tunneling through metal and dielectric multi-layer metamaterials. , 2009, , .		1
117	Optical properties of dyeâ€doped polymer films incorporating photonic nanostructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2485-2488.	0.8	1
118	Self-cavity lasing in optically pumped single crystals of p-sexiphenyl. AIP Advances, 2016, 6, .	1.3	1
119	Optically pumped lasing of cyano-substituted thiophene/phenylene co-oligomer microcrystals fabricated by the slide boat method. Japanese Journal of Applied Physics, 2019, 58, SBBG05.	1.5	1
120	Lasing in low-dimensional single crystals of hexyl-substituted thiophene/phenylene co-oligomer. Japanese Journal of Applied Physics, 2020, 59, SGGG02.	1.5	1
121	Micro-ring laser with CH3NH3PbBr3/PEO composite coated inside microcapillary. AIP Advances, 2021, 11, 095301.	1.3	1
122	Fabrication of Carbon Nanotube/Zinc Oxide Composite Films by Electrodeposition. Japanese Journal of Applied Physics, 2011, 50, 085504.	1.5	1
123	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
124	Fabrication of low-dimensional microstructures with distyrylbenzene derivatives. Japanese Journal of Applied Physics, 2020, 59, SDDA07.	1.5	0
125	Orientation-Controlled Organic Thin Films. , 1995, , 145-187.		0
126	Recent Progress in Studies of Room-Temperature Cavity Polariton in Organic Compounds. The Review of Laser Engineering, 2018, 46, 20.	0.0	0