Hidetoshi Oikawa

List of Publications by Year
in descending order

82	2,165	331670 21	243625 44
papers	citations	h-index	g-index

82	82	82	1815
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Novel Preparation Method of Organic Microcrystals. Japanese Journal of Applied Physics, 1992, 31, L1132-L1134.	1.5	599
2	Single-Crystal-to-Single-Crystal Transformation of Diolefin Derivatives in Nanocrystals. Journal of the American Chemical Society, 2002, 124, 10944-10945.	13.7	140
3	Size-Dependent Optical Properties of Polydiacetylene Nanocrystal. Journal of Physical Chemistry B, 2004, 108, 7674-7680.	2.6	82
4	Fullerene Fine Crystals with Unique Shapes and Controlled Size. Japanese Journal of Applied Physics, 2009, 48, 050206.	1.5	73
5	Preparation and Characterization of Poly-Diacetylene Microcrystals. Journal of Macromolecular Science - Pure and Applied Chemistry, 1997, 34, 2013-2024.	2.2	69
6	Multibranched C₆₀ Micro/Nanocrystals Fabricated by Reprecipitation Method. Japanese Journal of Applied Physics, 2008, 47, 1426.	1.5	61
7	Highly Controlled Plasmonic Emission Enhancement from Metal-Semiconductor Quantum Dot Complex Nanostructures. Journal of Physical Chemistry C, 2013, 117, 2455-2459.	3.1	61
8	Crystal Size Dependence of Fluorescence Spectra from Perylene Nanocrystals Evaluated by Scanning Near-Field Optical Microspectroscopy. Japanese Journal of Applied Physics, 2003, 42, L111-L113.	1.5	54
9	In Situ and Ex Situ Observations of the Growth Dynamics of Single Perylene Nanocrystals in Water. Journal of the American Chemical Society, 2006, 128, 15944-15945.	13.7	53
10	A Fabrication Method of Organic Nanocrystals Using Stabilizer-Free Emulsion. Crystal Growth and Design, 2007, 7, 600-602.	3.0	51
11	Fabrication of organic nanocrystals using microwave irradiation and their optical properties. Optical Materials, 2003, 21, 591-594.	3.6	45
12	Light Propagation within Colloidal Crystal Wire Fabricated by a Dewetting Process. Nano Letters, 2008, 8, 853-858.	9.1	43
13	Stopped-flow analysis on the mechanism of perylene nanoparticle formation by the reprecipitation method. Journal of Crystal Growth, 2009, 311, 553-555.	1.5	43
14	Methodological Features of the Emulsion and Reprecipitation Methods for Organic Nanocrystal Fabrication. Crystal Growth and Design, 2008, 8, 369-371.	3.0	41
15	Electrostatic Self-Assembly of Polydiacetylene Nanocrystals:Â Nonlinear Optical Properties and Chain Orientation. Journal of Physical Chemistry B, 1999, 103, 11050-11056.	2.6	38
16	Observation of light propagation across a 90Â° corner in chains of microspheres on a patterned substrate. Optics Letters, 2008, 33, 1189.	3.3	36
17	Microâ€demultiplexer of Coupled Resonator Optical Waveguide Fabricated by Microspheres. Advanced Materials, 2010, 22, 3022-3026.	21.0	33
18	Ultra-low dielectric properties of porous polyimide thin films fabricated by using the two kinds of templates with different particle sizes. Polymer, 2021, 212, 123115.	3.8	32

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19	Hybridized Microcrystals Composed of Metal Fine Particles and Ï€-Conjugated Organic Microcrystals. Japanese Journal of Applied Physics, 2001, 40, L1129-L1131.	1.5	31
20	<title>Nonlinear refractive indices of polydiacetylene microcrystals</title>. , 1997, 2998, 241.		27
21	Self Assembly of Organic Microcrystals 1: Electrostatic Attachment of Polydiacetylene Microcrystals on a Polyelectrolyte Surface. Japanese Journal of Applied Physics, 1998, 37, L343-L345.	1.5	24
22	Gigantic Electric Dipole Moment of Organic Microcrystals Evaluated in Dispersion Liquid with Polarized Electroabsorption Spectra. Journal of Physical Chemistry C, 2012, 116, 8230-8235.	3.1	22
23	Layer-by-Layer Growth Control of Metalâ€“Organic Framework Thin Films Assembled on Polymer Films. ACS Applied Materials & Interfaces, 2020, 12, 50784-50792.	8.0	22
24	Hybridized Organic Nanocrystals for Optically Functional Materials. Bulletin of the Chemical Society of Japan, 2011, 84, 233-250.	3.2	21
25	Fabrication of Pure Nanodrugs of Podophyllotoxin Dimer and Their Anticancer Activity. Chemistry Letters, 2013, 42, 900-901.	1.3	21
26	Fabrication and characterization of size-controlled CuTCNQ charge-transfer complex nanocrystals. Journal of Crystal Growth, 2009, 311, 948-952.	1.5	20
27	Nanocrystallization of Diarylethene and Photochromic Properties. Crystal Growth and Design, 2010, 10, 2857-2859.	3.0	19
28	Influence of micro-joints formed between spheres in coupled-resonator optical waveguide. Optics Express, 2011, 19, 22258.	3.4	18
29	HETERO-MULTILAYERED THIN FILMS MADE UP OF POLYDIACETYLENE MICROCRYSTALS AND METAL FINE PARTICLES. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 1371-1382.	2.2	16
30	Influence of Hydrolysis Susceptibility and Hydrophobicity of SN-38 Nano-Prodrugs on Their Anticancer Activity. Bulletin of the Chemical Society of Japan, 2019, 92, 1305-1313.	3.2	16
31	Diacetylene Nanowire Crystals Prepared by Reprecipitation/Microwave-Irradiation Method. Japanese Journal of Applied Physics, 2007, 46, 7558.	1.5	15
32	Development of fabrication process for Ag/polydiacetylene (core/shell) hybridized nanocrystals. Synthetic Metals, 2009, 159, 897-899.	3.9	15
33	Cyclic transformation in shape and crystal structure of C60 microcrystals. CrystEngComm, 2012, 14, 7787.	2.6	15
34	Mass-Production of Pigment Nanocrystals by the Reprecipitation Method and their Encapsulation. Molecular Crystals and Liquid Crystals, 2006, 445, 177/[467]-183/[473].	0.9	14
35	Silver-Deposited Polydiacetylene Nanocrystals Produced by Visible-Light-Driven Photocatalytic Reduction. Japanese Journal of Applied Physics, 2007, 46, L336-L338.	1.5	14
36	Polystyrene-encapsulated diarylethene nanocrystals by soap-free emulsion polymerization. Journal of Materials Chemistry, 2011, 21, 7892.	6.7	14

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37	Thermal-induced shape transformation of solvated C60 microcrystals. Carbon, 2013, 64, 370-376.	10.3	14
38	Fabrication of metal-coated organic microcrystals. Polymers for Advanced Technologies, 2000, 11, 778-782.	3.2	13
39	Synthesis and non-linear optical properties of new ionic species: tolan and diphenylbutadiyne with trimethylammonio and dimethylamino groups. Journal of Physical Organic Chemistry, 2005, 18, 468-472.	1.9	13
40	Nanocrystallization Mechanism of Organic Compounds in the Reprecipitation Method by Stopped-Flow Analysis. Japanese Journal of Applied Physics, 2009, 48, 105003.	1.5	13
41	Ordered Array of Polymer Microspheres on Patterned Silicon Substrate Fabricated Using Step-by-Step Deposition Method. Japanese Journal of Applied Physics, 2008, 47, 1404.	1.5	12
42	Chemical Doping into Nanocrystals of Poly(diacetylene). Japanese Journal of Applied Physics, 2008, 47, 3769.	1.5	12
43	PREPARATION OF POLYIMIDE ULTRAFINE PARTICLES. Molecular Crystals and Liquid Crystals, 2003, 406, 151-157.	0.9	11
44	Plasmon-Enhanced Photopolymerization of SU-8 on Rough Gold Surfaces. Journal of Physical Chemistry C, 2010, 114, 19596-19599.	3.1	11
45	Fabrication of doped Cu-TCNQ nanocrystals and their optoelectronic properties. CrystEngComm, 2012, 14, 7586.	2.6	11
46	Highly Enhanced Emission of Visible Light from Coreâ€“Dualâ€Shellâ€Type Hybridized Nanoparticles. Particle and Particle Systems Characterization, 2017, 34, 1700258.	2.3	11
47	Encapsulation of Ï€-Conjugated Polymer Nanocrystals and Their Ordered Array Structure toward Photonic Nanomaterials. Journal of Physical Chemistry C, 2009, 113, 11647-11651.	3.1	10
48	Fabrication of fluorescent copper complex nanoparticles by the heterogeneous reaction process. Japanese Journal of Applied Physics, 2014, 53, 06JH03.	1.5	10
49	New Class Materials of Organicâ€“Inorganic Hybridized Nanocrystals/Nanoparticles, and Their Assembled Micro- and Nano-Structure Toward Photonics. Advances in Polymer Science, 2009, , 147-190.	0.8	9
50	Fabrication of Diacetylene Nanofibers and their Dynamic Behavior in the Course of Solid-State Polymerization. Molecular Crystals and Liquid Crystals, 2006, 445, 161/[451]-166/[456].	0.9	8
51	Fabrication of pseudo single crystalline thin films composed of polydiacetylene nanofibers and their optical properties. Optical Materials Express, 2017, 7, 2218.	3.0	8
52	Morphological effects on the third-order nonlinear optical response of polydiacetylene nanofibers. MRS Communications, 2019, 9, 1087-1092.	1.8	8
53	Third-Order Nonlinear Optical Properties of Layered Type Hybridized Thin Films Consisting of Oriented Polydiacetylene Nanofibers and Silver Nanoparticles. Journal of Physical Chemistry C, 2019, 123, 25781-25787.	3.1	8
54	Hybridization of Polydiacetylene Core and Metal Shell. ECS Transactions, 2009, 16, 1-12.	0.5	6

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55	Silver Nanoparticles-Accelerated Photopolymerization of a Diacetylene Derivative. Journal of Physical Chemistry C, 2011, 115, 22121-22125.	3.1	6
56	Facile deposition of gold nanoparticles on C60 microcrystals with unique shapes. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	6
57	Fabrication of gold clusters photoreduced in gold-dendrimer complex nanoparticles. Optical Materials Express, 2017, 7, 2224.	3.0	6
58	A promising visible light-driven photocatalytic activity of conjugated polymer nanocrystals. RSC Advances, 2018, 8, 38773-38779.	3.6	6
59	Enhanced Fluorescence Emission and Magnetic Alignment Control of Biphasic Functionalized Composite Janus Particles. Particle and Particle Systems Characterization, 2019, 36, 1800311.	2.3	6
60	Solid-state polymerization behaviors of polydiacetylene nanofibers. Molecular Crystals and Liquid Crystals, 2020, 704, 89-96.	0.9	6
61	X-Ray Photoelectron Spectroscopy of Core (Silver)-Shell (Polydiacetylene) Type Hybridized Nanocrystals. E-Journal of Surface Science and Nanotechnology, 2009, 7, 711-714.	0.4	5
62	Nanocrystallization effect on luminescence properties of polymerâ€“metal complex with different kinds of ligands. Journal of the Taiwan Institute of Chemical Engineers, 2018, 92, 129-133.	5.3	5
63	PCBM nanoparticles as visible-light-driven photocatalysts for photocatalytic decomposition of organic dyes. MRS Communications, 2019, 9, 321-326.	1.8	5
64	Nanoscale deposition of metalâ€“organic framework films on polymer nanosheets. RSC Advances, 2016, 6, 74349-74353.	3.6	4
65	Optical and Electrical Properties of Size-Controlled Cuâ€“7,7',8,8'-Tetracyanoquinodimethane Nanocrystals. Japanese Journal of Applied Physics, 2010, 49, 01AE08.	1.5	3
66	Facile synthesis and bridgehead-functionalization of bicyclo[3.3.3]pentasiloxanes. Chemical Communications, 2018, 54, 268-270.	4.1	3
67	Random laser oscillation from an organic fluorescent dye loaded inside a porous zirconia medium. RSC Advances, 2021, 11, 32030-32037.	3.6	3
68	Fabrication of size-controlled SN-38 pure drug nanocrystals through an ultrasound-assisted reprecipitation method toward efficient drug delivery for cancer treatment. Journal of Crystal Growth, 2021, 572, 126265.	1.5	3
69	Attempt to visualize terminal structure on a specific facet in polymerâ€“metal complex nanocrystals. RSC Advances, 2018, 8, 16406-16409.	3.6	2
70	Fabrication of Au-Conjugated Polymer Hybridized Nanoparticles and Their Optical Properties. E-Journal of Surface Science and Nanotechnology, 2018, 16, 436-439.	0.4	2
71	Chemical modification utilizing a terminal structure exposed on the specific surface of polymer-metal complex nanocrystals. RSC Advances, 2020, 10, 6135-6138.	3.6	2
72	Structural Correlations of the Nonlinear Optical Response in Polydiacetylene Nanotubes Hybridized with Gold Nanoparticles. Journal of Physical Chemistry C, 2022, 126, 2763-2771.	3.1	2

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73	Fabrication of Polydiacetylene Nanocrystals Deposited with Silver Nanoparticles for a Nonlinear Optical Material. Materials Research Society Symposia Proceedings, 2004, 846, DD10.7.1.	0.1	1
74	Multistep resistive switching of doped Cu-TCNQ nanocrystals. Molecular Crystals and Liquid Crystals, 0, , 1-7.	0.9	1
75	Fluorescence properties of hybridized thin films consisting of organic dye J-aggregates and titanium oxide nanoparticles. Optical Materials Express, 2020, 10, 3268.	3.0	1
76	Organic and hybridized nanocrystal materials toward optical device applications in photonics. Molecular Crystals and Liquid Crystals, 2022, 741, 32-52.	0.9	1
77	FABRICATION AND CHARACTERIZATION OF QUINACRIDONES NANOCRYSTALS BY HIGH-TEMPERATURE AND HIGH-PRESSURE CRYSTALLIZATION METHOD. , 2003, , .		0
78	Optoelectronic Interfacial Interaction in Organic-Metal Hybridized Nanocrystals. Hyomen Kagaku, 2004, 25, 170-176.	0.0	0
79	Semicrystalline Structural Correlations of Conductivity in Conjugated Polymer Thin Films Surface-Doped by the Vapor Phase Method. ACS Applied Electronic Materials, 0, , .	4.3	0
80	Polymeric functionalization of podophyllotoxin carrier-free drug nanoparticles for enhancing bioavailability and inÂvitro cellular imaging. Molecular Crystals and Liquid Crystals, 0, , 1-7.	0.9	0
81	Nonlinear optical properties of polydiacetylene nanofibers modified with Ag nanoparticles. Molecular Crystals and Liquid Crystals, 0, , 1-7.	0.9	0
82	Photocatalytic hydrogen generation using polydiacetylene crystal nanostructures. Molecular Crystals and Liquid Crystals, 0, , 1-5.	0.9	0