

# Hidetoshi Oikawa

## List of Publications by Year in descending order

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82  
papers

2,165  
citations

331670

21  
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82  
docs citations

82  
times ranked

1815  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Correlations of the Nonlinear Optical Response in Polydiacetylene Nanotubes Hybridized with Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2763-2771.	3.1	2
2	Organic and hybridized nanocrystal materials toward optical device applications in photonics. <i>Molecular Crystals and Liquid Crystals</i> , 2022, 741, 32-52.	0.9	1
3	Ultra-low dielectric properties of porous polyimide thin films fabricated by using the two kinds of templates with different particle sizes. <i>Polymer</i> , 2021, 212, 123115.	3.8	32
4	Random laser oscillation from an organic fluorescent dye loaded inside a porous zirconia medium. <i>RSC Advances</i> , 2021, 11, 32030-32037.	3.6	3
5	Fabrication of size-controlled SN-38 pure drug nanocrystals through an ultrasound-assisted reprecipitation method toward efficient drug delivery for cancer treatment. <i>Journal of Crystal Growth</i> , 2021, 572, 126265.	1.5	3
6	Solid-state polymerization behaviors of polydiacetylene nanofibers. <i>Molecular Crystals and Liquid Crystals</i> , 2020, 704, 89-96.	0.9	6
7	Layer-by-Layer Growth Control of Metal-Organic Framework Thin Films Assembled on Polymer Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 50784-50792.	8.0	22
8	Chemical modification utilizing a terminal structure exposed on the specific surface of polymer-metal complex nanocrystals. <i>RSC Advances</i> , 2020, 10, 6135-6138.	3.6	2
9	Fluorescence properties of hybridized thin films consisting of organic dye J-aggregates and titanium oxide nanoparticles. <i>Optical Materials Express</i> , 2020, 10, 3268.	3.0	1
10	Influence of Hydrolysis Susceptibility and Hydrophobicity of SN-38 Nano-Prodrugs on Their Anticancer Activity. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1305-1313.	3.2	16
11	Morphological effects on the third-order nonlinear optical response of polydiacetylene nanofibers. <i>MRS Communications</i> , 2019, 9, 1087-1092.	1.8	8
12	Third-Order Nonlinear Optical Properties of Layered Type Hybridized Thin Films Consisting of Oriented Polydiacetylene Nanofibers and Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25781-25787.	3.1	8
13	PCBM nanoparticles as visible-light-driven photocatalysts for photocatalytic decomposition of organic dyes. <i>MRS Communications</i> , 2019, 9, 321-326.	1.8	5
14	Enhanced Fluorescence Emission and Magnetic Alignment Control of Biphasic Functionalized Composite Janus Particles. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800311.	2.3	6
15	Attempt to visualize terminal structure on a specific facet in polymer-metal complex nanocrystals. <i>RSC Advances</i> , 2018, 8, 16406-16409.	3.6	2
16	Nanocrystallization effect on luminescence properties of polymer-metal complex with different kinds of ligands. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 92, 129-133.	5.3	5
17	Facile synthesis and bridgehead-functionalization of bicyclo[3.3.3]pentasiloxanes. <i>Chemical Communications</i> , 2018, 54, 268-270.	4.1	3
18	Fabrication of Au-Conjugated Polymer Hybridized Nanoparticles and Their Optical Properties. <i>E-Journal of Surface Science and Nanotechnology</i> , 2018, 16, 436-439.	0.4	2

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19	A promising visible light-driven photocatalytic activity of conjugated polymer nanocrystals. RSC Advances, 2018, 8, 38773-38779.	3.6	6
20	Highly Enhanced Emission of Visible Light from Core-Shell-Type Hybridized Nanoparticles. Particle and Particle Systems Characterization, 2017, 34, 1700258.	2.3	11
21	Fabrication of pseudo single crystalline thin films composed of polydiacetylene nanofibers and their optical properties. Optical Materials Express, 2017, 7, 2218.	3.0	8
22	Fabrication of gold clusters photoreduced in gold-dendrimer complex nanoparticles. Optical Materials Express, 2017, 7, 2224.	3.0	6
23	Nanoscale deposition of metal-organic framework films on polymer nanosheets. RSC Advances, 2016, 6, 74349-74353.	3.6	4
24	Fabrication of fluorescent copper complex nanoparticles by the heterogeneous reaction process. Japanese Journal of Applied Physics, 2014, 53, 06JH03.	1.5	10
25	Facile deposition of gold nanoparticles on C60 microcrystals with unique shapes. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	6
26	Thermal-induced shape transformation of solvated C60 microcrystals. Carbon, 2013, 64, 370-376.	10.3	14
27	Highly Controlled Plasmonic Emission Enhancement from Metal-Semiconductor Quantum Dot Complex Nanostructures. Journal of Physical Chemistry C, 2013, 117, 2455-2459.	3.1	61
28	Fabrication of Pure Nanodrugs of Podophyllotoxin Dimer and Their Anticancer Activity. Chemistry Letters, 2013, 42, 900-901.	1.3	21
29	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
30	Fabrication of doped Cu-TCNQ nanocrystals and their optoelectronic properties. CrystEngComm, 2012, 14, 7586.	2.6	11
31	Cyclic transformation in shape and crystal structure of C60 microcrystals. CrystEngComm, 2012, 14, 7787.	2.6	15
32	Polystyrene-encapsulated diarylethene nanocrystals by soap-free emulsion polymerization. Journal of Materials Chemistry, 2011, 21, 7892.	6.7	14
33	Silver Nanoparticles-Accelerated Photopolymerization of a Diacetylene Derivative. Journal of Physical Chemistry C, 2011, 115, 22121-22125.	3.1	6
34	Influence of micro-joints formed between spheres in coupled-resonator optical waveguide. Optics Express, 2011, 19, 22258.	3.4	18
35	Hybridized Organic Nanocrystals for Optically Functional Materials. Bulletin of the Chemical Society of Japan, 2011, 84, 233-250.	3.2	21
36	Microdemultiplexer of Coupled Resonator Optical Waveguide Fabricated by Microspheres. Advanced Materials, 2010, 22, 3022-3026.	21.0	33

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37	Optical and Electrical Properties of Size-Controlled Cu <sup>7,7',8,8'</sup> -Tetracyanoquinodimethane Nanocrystals. Japanese Journal of Applied Physics, 2010, 49, 01AE08.	1.5	3
38	Plasmon-Enhanced Photopolymerization of SU-8 on Rough Gold Surfaces. Journal of Physical Chemistry C, 2010, 114, 19596-19599.	3.1	11
39	Nanocrystallization of Diarylethene and Photochromic Properties. Crystal Growth and Design, 2010, 10, 2857-2859.	3.0	19
40	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
41	Hybridization of Polydiacetylene Core and Metal Shell. ECS Transactions, 2009, 16, 1-12.	0.5	6
42	Encapsulation of $\pi$ -Conjugated Polymer Nanocrystals and Their Ordered Array Structure toward Photonic Nanomaterials. Journal of Physical Chemistry C, 2009, 113, 11647-11651.	3.1	10
43	New Class Materials of Organic-Inorganic Hybridized Nanocrystals/Nanoparticles, and Their Assembled Micro- and Nano-Structure Toward Photonics. Advances in Polymer Science, 2009, , 147-190.	0.8	9
44	Nanocrystallization Mechanism of Organic Compounds in the Reprecipitation Method by Stopped-Flow Analysis. Japanese Journal of Applied Physics, 2009, 48, 105003.	1.5	13
45	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
46	Fabrication and characterization of size-controlled CuTCNQ charge-transfer complex nanocrystals. Journal of Crystal Growth, 2009, 311, 948-952.	1.5	20
47	Fullerene Fine Crystals with Unique Shapes and Controlled Size. Japanese Journal of Applied Physics, 2009, 48, 050206.	1.5	73
48	Development of fabrication process for Ag/polydiacetylene (core/shell) hybridized nanocrystals. Synthetic Metals, 2009, 159, 897-899.	3.9	15
49	Methodological Features of the Emulsion and Reprecipitation Methods for Organic Nanocrystal Fabrication. Crystal Growth and Design, 2008, 8, 369-371.	3.0	41
50	Observation of light propagation across a 90° corner in chains of microspheres on a patterned substrate. Optics Letters, 2008, 33, 1189.	3.3	36
51	Light Propagation within Colloidal Crystal Wire Fabricated by a Dewetting Process. Nano Letters, 2008, 8, 853-858.	9.1	43
52	Multibranched C <sub>60</sub> Micro/Nanocrystals Fabricated by Reprecipitation Method. Japanese Journal of Applied Physics, 2008, 47, 1426.	1.5	61
53	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
54	Chemical Doping into Nanocrystals of Poly(diacetylene). Japanese Journal of Applied Physics, 2008, 47, 3769.	1.5	12

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55	Silver-Deposited Polydiacetylene Nanocrystals Produced by Visible-Light-Driven Photocatalytic Reduction. Japanese Journal of Applied Physics, 2007, 46, L336-L338.	1.5	14
56	Diacetylene Nanowire Crystals Prepared by Reprecipitation/Microwave-Irradiation Method. Japanese Journal of Applied Physics, 2007, 46, 7558.	1.5	15
57	A Fabrication Method of Organic Nanocrystals Using Stabilizer-Free Emulsion. Crystal Growth and Design, 2007, 7, 600-602.	3.0	51
58	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
59	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
60	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
61	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
62	Optoelectronic Interfacial Interaction in Organic-Metal Hybridized Nanocrystals. Hyomen Kagaku, 2004, 25, 170-176.	0.0	0
63	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
64	Size-Dependent Optical Properties of Polydiacetylene Nanocrystal. Journal of Physical Chemistry B, 2004, 108, 7674-7680.	2.6	82
65	Fabrication of organic nanocrystals using microwave irradiation and their optical properties. Optical Materials, 2003, 21, 591-594.	3.6	45
66	Crystal Size Dependence of Fluorescence Spectra from Perylene Nanocrystals Evaluated by Scanning Near-Field Optical Microspectroscopy. Japanese Journal of Applied Physics, 2003, 42, L1111-L1113.	1.5	54
67	PREPARATION OF POLYIMIDE ULTRAFINE PARTICLES. Molecular Crystals and Liquid Crystals, 2003, 406, 151-157.	0.9	11
68	FABRICATION AND CHARACTERIZATION OF QUINACRIDONES NANOCRYSTALS BY HIGH-TEMPERATURE AND HIGH-PRESSURE CRYSTALLIZATION METHOD. , 2003, , .		0
69	Single-Crystal-to-Single-Crystal Transformation of Diolefin Derivatives in Nanocrystals. Journal of the American Chemical Society, 2002, 124, 10944-10945.	13.7	140
70	Hybridized Microcrystals Composed of Metal Fine Particles and $\pi$ -Conjugated Organic Microcrystals. Japanese Journal of Applied Physics, 2001, 40, L1129-L1131.	1.5	31
71	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
72	Fabrication of metal-coated organic microcrystals. Polymers for Advanced Technologies, 2000, 11, 778-782.	3.2	13

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73	Electrostatic Self-Assembly of Polydiacetylene Nanocrystals: A Nonlinear Optical Properties and Chain Orientation. <i>Journal of Physical Chemistry B</i> , 1999, 103, 11050-11056.	2.6	38
74	Self Assembly of Organic Microcrystals 1: Electrostatic Attachment of Polydiacetylene Microcrystals on a Polyelectrolyte Surface. <i>Japanese Journal of Applied Physics</i> , 1998, 37, L343-L345.	1.5	24
75	<title>Nonlinear refractive indices of polydiacetylene microcrystals</title>. , 1997, 2998, 241.		27
76	Preparation and Characterization of Poly-Diacetylene Microcrystals. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1997, 34, 2013-2024.	2.2	69
77	A Novel Preparation Method of Organic Microcrystals. <i>Japanese Journal of Applied Physics</i> , 1992, 31, L1132-L1134.	1.5	599
78	Multistep resistive switching of doped Cu-TCNQ nanocrystals. <i>Molecular Crystals and Liquid Crystals</i> , 0, , 1-7.	0.9	1
79	Semicrystalline Structural Correlations of Conductivity in Conjugated Polymer Thin Films Surface-Doped by the Vapor Phase Method. <i>ACS Applied Electronic Materials</i> , 0, , .	4.3	0
80	Polymeric functionalization of podophyllotoxin carrier-free drug nanoparticles for enhancing bioavailability and in vitro cellular imaging. <i>Molecular Crystals and Liquid Crystals</i> , 0, , 1-7.	0.9	0
81	Nonlinear optical properties of polydiacetylene nanofibers modified with Ag nanoparticles. <i>Molecular Crystals and Liquid Crystals</i> , 0, , 1-7.	0.9	0
82	Photocatalytic hydrogen generation using polydiacetylene crystal nanostructures. <i>Molecular Crystals and Liquid Crystals</i> , 0, , 1-5.	0.9	0