

Takashi Fukuda

List of Publications by Year in descending order

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142
papers

3,117
citations

304743

22
h-index

168389

53
g-index

142
all docs

142
docs citations

142
times ranked

2658
citing authors

#	ARTICLE	IF	CITATIONS
1	Quick and ultra-sensitive digital assay of influenza virus using sub-picoliter microwells. <i>Analytica Chimica Acta</i> , 2022, 1213, 339926.	5.4	6
2	An on-demand bench-top fabrication process for fluidic chips based on cross-diffusion through photopolymerization. <i>Biomicrofluidics</i> , 2020, 14, 044104.	2.4	1
3	Decimating Spatial Frequency Components in Periodically Modulated Nanoscale Surface Structures for Sensing of Ambient Refractive Index Changes. <i>ACS Omega</i> , 2020, 5, 3513-3521.	3.5	1
4	Fabrication of Modified Random Phase Masks with Phase Modulation Elements Exhibiting Gaussian Profiles Using Molecular Migration under Photopolymerization. <i>Photonics</i> , 2019, 6, 62.	2.0	1
5	Suppression of inter-pixel cross talk and reduction of recording spot size for high-density holographic memory. <i>Optical Review</i> , 2019, 26, 124-130.	2.0	2
6	Technique for detecting flaws in metallic surfaces using an optical system with phase-type blazed gratings. <i>Journal of Modern Optics</i> , 2019, 66, 390-398.	1.3	0
7	Fine Porous Structures Fabricated from Poly(vinyl alcohol)-Coated Polystyrene Templates for Functional Biosensing Chips. , 2019, , .		0
8	Randomly displaced phase distribution design for computer-generated binary hologram with narrow recording spots. <i>Optical Review</i> , 2018, 25, 509-516.	2.0	3
9	Analysis of interference fringes based on three circularly polarized beams targeted for birefringence distribution measurements. <i>Applied Optics</i> , 2018, 57, 7318.	1.8	6
10	Ag-coated submicron particles of polystyrene formed by dewetting process and their application in multi-functional biosensor-chips. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 558, 171-178.	4.7	8
11	Phase measurement of structural modifications created by femtosecond laser pulses in glass with phase-shifting digital holographic microscopy. <i>Optical Engineering</i> , 2017, 56, 111702.	1.0	3
12	Fabrication of high-density array of barnacle-like porous structures using polystyrene colloidal particle monolayer and poly(vinyl alcohol) coating. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 522, 408-415.	4.7	4
13	Orthogonal polarization encoding for reduction of interpixel cross talk in holographic data storage. <i>Optics Express</i> , 2017, 25, 22425.	3.4	20
14	Dendrite-joining of air-gap-separated PMMA substrates using ultrashort laser pulses. <i>Optical Materials Express</i> , 2017, 7, 2141.	3.0	4
15	Coaxial polarization holographic data recording on a polarization-sensitive medium. <i>Optics Letters</i> , 2016, 41, 4919.	3.3	16
16	Shift Multiplex Recording of Four-Valued Phase Data Pages by Volume Retardagraphy. <i>Applied Sciences (Switzerland)</i> , 2014, 4, 158-170.	2.5	1
17	Facile Fabrication of Various Submicron Functional Structures Using Colloidal Spheres. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 597, 15-19.	0.9	1
18	Tailoring adhesive forces between poly(dimethylsiloxane) and glass substrates using poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.6	6

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19	Fabrication of Submicrometer Pores with an Outer Shell Using Modified Poly(vinyl alcohol) and the Molecular or Particle Collection Effect. <i>Langmuir</i> , 2013, 29, 12601-12607.	3.5	6
20	New method of increasing diffraction efficiency of grating transferred in glass substrate by corona-charging treatment. <i>Optical Review</i> , 2013, 20, 504-508.	2.0	0
21	Dichroic reflection in specular direction of Au-coated anisotropic hemispherical structure arrays based on monolayer of subwavelength-scale polystyrene spheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 429, 106-111.	4.7	7
22	Chemical Etching Using KOH Aqueous Solution for Corona-Charge Micropatterning of Soda-Lime Glass. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 036701.	1.5	1
23	Randomly displaced phase distribution design and its advantage in page-data recording of Fourier transform holograms. <i>Applied Optics</i> , 2013, 52, 1183.	1.8	6
24	Optical Information Storage. , 2013, , 1-8.		0
25	Angular multiplex recording of data pages by dual-channel polarization holography. <i>Optics Letters</i> , 2013, 38, 748.	3.3	37
26	In vivo absorption spectroscopy for absolute measurement. <i>Biomedical Optics Express</i> , 2012, 3, 2587.	2.9	4
27	Tailored assembly of colloidal particles: Alternative fabrication of photonic crystal or photonic glass. <i>Applied Physics Letters</i> , 2012, 100, 131901.	3.3	9
28	Dual-channel polarization holography: a technique for recording two complex amplitude components of a vector wave. <i>Optics Letters</i> , 2012, 37, 4528.	3.3	30
29	Multiplex and multilevel optical recording for optical mass-storage by retardagraphy. , 2012, , .		3
30	Measurement of refractive index change induced by dark reaction of photopolymer with digital holographic quantitative phase microscopy. <i>Optics Communications</i> , 2012, 285, 4911-4917.	2.1	17
31	Optical and Physical Applications of Photocontrollable Materials: Azobenzene-Containing and Liquid Crystalline Polymers. <i>Polymers</i> , 2012, 4, 150-186.	4.5	89
32	Fabrication and optical properties of binary colloidal crystal monolayers consisting of micro- and nano-polystyrene spheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 396, 189-194.	4.7	17
33	Volume polarization holography for optical data storage. <i>Proceedings of SPIE</i> , 2011, , .	0.8	6
34	Bithiophene- <i>b</i> ithiazole alternating copolymers with thiophene side chains: Synthesis by organometallic polycondensation and chemical properties of the copolymers. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1508-1512.	2.3	7
35	Conjugated Polymers Consisting of 9,10-Dihydrophenanthrene Units. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 2406-2416.	2.2	4
36	An investigation on polarization-sensitive materials. , 2011, , .		1

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37	Measurement of Light-induced Refractive Index Change in Photopolymer with Quantitative Phase Microscopy. , 2011, , .		2
38	Synthesis and Metal-like Luster of Novel Polyaniline Analogs Containing Azobenzene Unit. Chemistry Letters, 2010, 39, 1248-1250.	1.3	21
39	Luminescence Study of Thioamide-based Pincer Palladium Complexes in Poly(vinylpyrrolidone) Matrix. Chemistry Letters, 2010, 39, 385-387.	1.3	19
40	Replicative fabrication of diffractive structure from self-assembled particles onto a glass substrate using corona-charging treatment. Optical Review, 2010, 17, 187-190.	2.0	3
41	Conjugated Polymers Consisting of Isothianaphthene and Dialkoxyphenylene Units: Synthesis, Self-Assembly, and Chemical and Physical Properties. Macromolecular Chemistry and Physics, 2010, 211, 2138-2147.	2.2	18
42	Ionic polymers and oligomers with expanded π -conjugation system derived from through-space interaction in piperazinium ring. European Polymer Journal, 2010, 46, 1119-1130.	5.4	20
43	Study of Grating Structures Transferred to Glass Substrates via Corona Charging. Japanese Journal of Applied Physics, 2010, 49, 01AE01.	1.5	5
44	Polarization-Sensitive Diffractive Optical Elements. , 2010, , .		0
45	Self-Imaging Properties of Fresnel Retardagram Recorded on Azobenzene Film. Japanese Journal of Applied Physics, 2010, 49, 01AD02.	1.5	4
46	Optical Information Recording in Films of Photoinduced Birefringent Materials and Application to Retardagraphy. Japanese Journal of Applied Physics, 2009, 48, 09LE02.	1.5	6
47	Improved Corona-Charging-Assisted Surface-Relief Amplification on Polymer Film for Low-Noise Holograms. Japanese Journal of Applied Physics, 2009, 48, 09LE01.	1.5	0
48	Crystal Growth, Structure Analysis, and Second-Order Nonlinear Optical Properties of 4-Cyanophenylp-Anisate with Transparency in Visible Region. Japanese Journal of Applied Physics, 2009, 48, 051501.	1.5	0
49	Hologram recording in glass and direct reconstruction using visible-wavelength laser beam. Optical Review, 2009, 16, 335-338.	2.0	6
50	Highly Coplanar Polythiophenes with α -C ₆ H ₄ CR Side Chains: Self-Assembly, Linear and Nonlinear Optical Properties, and Piezochromism. Bulletin of the Chemical Society of Japan, 2009, 82, 896-909.	3.2	36
51	Optical properties and piezochromism of π -conjugated polythiophene with α -C ₆ H ₄ -C ₁₀ H ₂₁ substituent. Reactive and Functional Polymers, 2008, 68, 369-375.	4.1	16
52	Retardagraphy: a technique for optical recording of the retardance pattern of an optical anisotropic object on a polarization-sensitive film using a single beam. Optics Letters, 2008, 33, 3007.	3.3	18
53	Photodynamics of azobenzene film and its application to one-beam image recording. Proceedings of SPIE, 2008, , .	0.8	0
54	Numerical Analysis of Photoinduced Chirality in Azobenzene Polymer and Its Application as Photoaddressable Polarization Altering Elements. Japanese Journal of Applied Physics, 2008, 47, 1196-1202.	1.5	3

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55	Asymmetric Polarization Conversion in Polarization Holograms with Surface Relief. Japanese Journal of Applied Physics, 2008, 47, 3568-3571.	1.5	8
56	Recording Characteristics of Hologram in Glass Plate Using Corona Charging. Japanese Journal of Applied Physics, 2008, 47, 7929.	1.5	11
57	Oriental Stability of Azobenzene-Containing Materials in Polarization Recording. Japanese Journal of Applied Physics, 2008, 47, 1203-1207.	1.5	12
58	Eigenpolarization States of Photoinduced Anisotropy in Azobenzene Film. IEICE Transactions on Electronics, 2008, E91-C, 1675-1676.	0.6	2
59	Photoinduced Birefringence and Optical Rotation on Achiral Azobenzene Copolymer. Molecular Crystals and Liquid Crystals, 2007, 463, 107/[389]-116/[398].	0.9	2
60	Polarization Recording in Photoinduced Chiral Material for Optical Storage. Japanese Journal of Applied Physics, 2007, 46, 3928-3932.	1.5	11
61	Hologram replication technique in glass plates using corona charging. Applied Physics Letters, 2007, 90, 061102.	3.3	15
62	Synthesis and Optical Characterization of Photoresponsive Polyester Blend Films for Holographic Data Storage. Molecular Crystals and Liquid Crystals, 2007, 463, 83/[365]-91/[373].	0.9	0
63	Strong stacking behavior and large third-order nonlinear optical susceptibility $\chi^{(3)}$ of head-to-head-type poly(3-alkynylthiophene-2,5-diyl), HH-P3(CCR)Th. Synthetic Metals, 2007, 157, 318-322.	3.9	14
64	Ellipsometric analysis for a polarization-controlling thin film with large photoinduced chirality. Applied Optics, 2007, 46, 4954.	2.1	3
65	Hologram Recording in Various Glass Plates by Corona Charging. Optical Review, 2007, 14, 339-342.	2.0	8
66	Synthesis and optical properties of Azo-methacrylic copolymers with rigid tolane moiety. Reactive and Functional Polymers, 2007, 67, 693-699.	4.1	4
67	Photoinduced Molecular Re-orientation and Supramolecular Helical Structure Formation in Azobenzene Materials. Molecular Crystals and Liquid Crystals, 2006, 446, 61-70.	0.9	14
68	Relationship between Dipole Moment of Chromophores and Photoinduced Birefringence. Japanese Journal of Applied Physics, 2006, 45, 456-459.	1.5	12
69	Proposal of Novel Model for Photoinduced Mass Transport and Numerical Analysis by Electromagnetic-Induced Particle Transport Method. Japanese Journal of Applied Physics, 2006, 45, 465-469.	1.5	14
70	Photoinduced Mass Transport by One-Dimensional Gaussian Beam Irradiation: Width and Polarization Dependence. Japanese Journal of Applied Physics, 2006, 45, 470-474.	1.5	6
71	Large Photo-Induced Birefringence in Azobenzene Copolymer. Molecular Crystals and Liquid Crystals, 2006, 446, 71-80.	0.9	7
72	Cubic interpolated propagation scheme in numerical analysis of lightwave and optical force. Optics Express, 2006, 14, 4151.	3.4	3

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73	Photoinduced birefringence and cooperative molecular reorientation in azo copolymer: optical characterization for rewritable memory application. , 2006, , .		4
74	Computer simulation of photoinduced helical structure formation on azobenzene-containing materials. , 2006, , .		0
75	Optical characteristics of novel bisazo polymer for rewritable holographic data storage. , 2006, , .		0
76	Molecular design and synthesis of copolymers with large photoinduced birefringence. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 182, 262-268.	3.9	16
77	Photoinduced cooperative molecular reorientation on azobenzene side-chain-type copolymers. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 183, 273-279.	3.9	32
78	Alternating copolymer of bithiophene and dialkylbithiazole and its tendency to align on the surfaces. Polymer, 2006, 47, 6038-6041.	3.8	20
79	Numerical Analysis of Photoinduced Surface Relief Formed on Azobenzene Polymer Film by Optical Near-Field Exposure. Japanese Journal of Applied Physics, 2006, 45, 6730-6737.	1.5	5
80	Light-Induced Macroscopic Chirality in Thin Films of Achiral Main-Chain Amorphous Polyazourea System. Japanese Journal of Applied Physics, 2006, 45, 447-450.	1.5	15
81	Photoinduced Chirality in an Azobenzene Amorphous Copolymer Bearing Large Birefringent Moiety. Japanese Journal of Applied Physics, 2006, 45, 451-455.	1.5	22
82	Synthesis and Optical Characterization of Novel Imidazole-Based Azo Materials. Japanese Journal of Applied Physics, 2006, 45, 460-464.	1.5	15
83	A Novel Method for Fixing the Anisotropic Orientation of Dispersed Organic Nanocrystals in a Magnetic Field. Advanced Materials, 2005, 17, 160-163.	21.0	59
84	Numerical Analysis of Photoinduced Surface Relief Grating Formation by Particle Method. Optical Review, 2005, 12, 271-273.	2.0	16
85	Rewritable High-Density Optical Recording on Azobenzene Polymer Thin Film. Optical Review, 2005, 12, 126-129.	2.0	12
86	Reversible and efficient anisotropic orientation of dispersed aromatic hydrocarbon nanocrystals in a magnetic field. Journal of Materials Chemistry, 2005, 15, 253.	6.7	21
87	Rewritable High-Density Optical Recording on Azobenzene Polymer Thin Film. Optical Review, 2005, 12, 126-129.	2.0	1
88	Submicron-Wide Pattern of Silver Wire Stabilized on Functionalized Substrates. Molecular Crystals and Liquid Crystals, 2004, 425, 27-39.	0.9	0
89	Facile Photofabrication of Stable, Submicrometer-Wide, Electrically Conductive Patterns. Advanced Materials, 2004, 16, 696-699.	21.0	1
90	Synthesis and lyotropic liquid crystal properties of chiral helical polycarbodiimides. Liquid Crystals, 2004, 31, 137-143.	2.2	9

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91	Effect of Polymerization Degree on Building-up Helical Structure of Oligo(L-lactic acid). Chemistry Letters, 2004, 33, 608-609.	1.3	5
92	Surface relief grating and liquid crystal alignment on azobenzene functionalized polymers. Optical Materials, 2003, 21, 627-631.	3.6	4
93	Unconventional polarization characteristic of rapid photoinduced material motion in liquid crystalline azobenzene polymer films. Applied Physics Letters, 2003, 83, 4960-4962.	3.3	37
94	Orientation of Suspended Polar Organic Nanocrystals in Magnetic Fields: Effect of Magnetic Field Configuration. Japanese Journal of Applied Physics, 2003, 42, L1343-L1345.	1.5	6
95	Photo-induced surface relief on Azo polymer for optical component fabrication. , 2003, , .		4
96	Photoinduced Surface Relief Formation on Azobenzene Thin Film. Kobunshi Ronbunshu, 2003, 60, 428-441.	0.2	2
97	Development of Second-Order Nonlinear Optical Polymers without Visible Absorption. Kobunshi Ronbunshu, 2003, 60, 682-692.	0.2	2
98	Photoinduced surface relief formation on azopolymer films: A driving force and formed relief profile. Journal of Applied Physics, 2002, 91, 3421-3430.	2.5	35
99	<title>Simple and effective technique for the evaluation of optical field emitted from a SNOM probe tip</title>. , 2002, 4642, 138.		0
100	Electro-optic properties of chiral helix oligo-L-lactic acid. , 2002, , .		1
101	Synthesis and optical properties of chiral helix polycarbodiimide. , 2002, , .		0
102	New Soluble π -Conjugated Tetrathiafulvalene (TTF) Polymers Bearing Long Alkyl Side Chains: Preparation by Organometallic Polycondensation, Structure and Chemical Properties of the Polymers. Molecular Crystals and Liquid Crystals, 2002, 381, 101-112.	0.9	1
103	Competitive effects of grooves and photoalignment on nematic liquid-crystal alignment using azobenzene polymer. Journal of Applied Physics, 2002, 92, 1841-1844.	2.5	37
104	UV-Curable Azobenzene Polymer Bearing Photo-Crosslinkable Moiety for Stabilization of Photo-Fabricated Surface Relief Structure. Macromolecular Chemistry and Physics, 2002, 203, 2344-2350.	2.2	19
105	NLO-active maleimide copolymers with high glass transition temperatures. Polymers for Advanced Technologies, 2002, 13, 120-126.	3.2	7
106	Photofabrication of surface relief structure mechanism and application. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 145, 35-39.	3.9	17
107	Branched epoxy copolymers with oligo(benzoate) side chains carrying donor and acceptor functions in each end. Polymers for Advanced Technologies, 2001, 12, 231-236.	3.2	5
108	Observation of Optical Near-Field as Photo-Induced Surface Relief Formation. Japanese Journal of Applied Physics, 2001, 40, L900-L902.	1.5	24

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109	Synthesis and Characterization of Calix[4]resorcinarene Bearing Azobenzene Moieties as Novel Photofunctional Materials.. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2000, 13, 191-196.	0.3	0
110	Synthesis and nonlinear optical properties of aromatic esters with an electron donor and an electron acceptor end group. Macromolecular Chemistry and Physics, 2000, 201, 178-183.	2.2	6
111	A new class of spatial light modulator using a crosslinkable azobenzene nematic liquid crystal. Polymers for Advanced Technologies, 2000, 11, 579-582.	3.2	1
112	Improved method of corona poling for highly developed dipolar orientation. Polymers for Advanced Technologies, 2000, 11, 583-588.	3.2	6
113	Alignment control of liquid crystals on surface relief gratings. Liquid Crystals, 2000, 27, 1633-1640.	2.2	38
114	Alignment control method for liquid crystalline molecules and its application for an all-optical device. Applied Physics Letters, 2000, 77, 28-30.	3.3	7
115	Photo-Induced Formation of the Surface Relief Grating on Azobenzene Polymers: Analysis Based on the Fluid Mechanics. Molecular Crystals and Liquid Crystals, 2000, 345, 263-268.	0.3	15
116	Photofabrication of Surface Relief Grating on Films of Azobenzene Polymer with Different Dye Functionalization. Macromolecules, 2000, 33, 4220-4225.	4.8	158
117	Electric-Field-Induced Orientation of Organic Microcrystals with Large Dipole Moment. Japanese Journal of Applied Physics, 1999, 38, L659-L661.	1.5	28
118	Synthesis and properties of a second-order nonlinear optical side-chain polyimide. Journal of Polymer Science Part A, 1999, 37, 1321-1329.	2.3	37
119	Systematic study on photofabrication of surface relief grating on high-tg azobenzene polymers. Synthetic Metals, 1999, 102, 1435-1436.	3.9	27
120	Fluid Mechanics Model and Analysis for the Photofabrication of Surface Relief Grating on Azo Polymers. Materials Research Society Symposia Proceedings, 1999, 598, 195.	0.1	1
121	Synthesis and nonlinear optical properties of end-group modified aromatic esters as chained chromophores. Macromolecular Chemistry and Physics, 1998, 199, 1193-1199.	2.2	13
122	Extensive Studies on π -Stacking of Poly(3-alkylthiophene-2,5-diyl)s and Poly(4-alkylthiazole-2,5-diyl)s by Optical Spectroscopy, NMR Analysis, Light Scattering Analysis, and X-ray Crystallography. Journal of the American Chemical Society, 1998, 120, 2047-2058.	13.7	502
123	An Effective Poling of High Tg NLO Polymer. Molecular Crystals and Liquid Crystals, 1998, 315, 105-110.	0.3	2
124	Synthesis and Nonlinear Optical Properties of Polymers Containing Aromatic Ester Oligomers as Chained Chromophores. Molecular Crystals and Liquid Crystals, 1998, 315, 147-152.	0.3	2
125	NLO-Active Vinylpolymers Containing Maleimide Residues With High Tg.. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 1998, 11, 161-162.	0.3	7
126	Synthesis of High-Tg Azo Polymer and the Optimization of its Poling Condition for Stable EO System. Materials Research Society Symposia Proceedings, 1997, 488, 813.	0.1	1

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127	Polyquinoxaline as an electron injecting material for electroluminescent device. <i>Synthetic Metals</i> , 1997, 85, 1195-1196.	3.9	53
128	π-Conjugated Donor-Acceptor Copolymers Constituted of π-Excessive and π-Deficient Arylene Units. Optical and Electrochemical Properties in Relation to CT Structure of the Polymer. <i>Journal of the American Chemical Society</i> , 1996, 118, 10389-10399.	13.7	327
129	Photocarrier-transporting kinetics in poly(2,3-di(p-tolyl)quinoxaline-5,8-diyl). <i>Synthetic Metals</i> , 1996, 79, 149-153.	3.9	7
130	Vacuum-Deposited Thin Film of Linear π-Conjugated Poly(arylene)s. Optical, Electrochemical, and Electrical Properties and Molecular Alignment. <i>The Journal of Physical Chemistry</i> , 1996, 100, 12631-12637.	2.9	47
131	Polyquinoxaline as an excellent electron injecting material for electroluminescent device. <i>Applied Physics Letters</i> , 1996, 68, 2346-2348.	3.3	73
132	Determination of Optical Constants of Polyquinoxalines as Electroluminescent Materials. <i>Japanese Journal of Applied Physics</i> , 1996, 35, 761-764.	1.5	3
133	Photoconductive properties of poly(2,3-di(p-tolyl)quinoxaline-5,8-diyl). <i>Synthetic Metals</i> , 1995, 74, 43-48.	3.9	10
134	Ir and Raman studies in three polyanilines with different oxidation level. <i>Synthetic Metals</i> , 1995, 69, 175-176.	3.9	87
135	π-Conjugated Poly(pyridine-2,5-diyl), Poly(2,2'-bipyridine-5,5'-diyl), and Their Alkyl Derivatives. Preparation, Linear Structure, Function as a Ligand to Form Their Transition Metal Complexes, Catalytic Reactions, n-Type Electrically Conducting Properties, Optical Properties, and Alignment on Substrates. <i>Journal of the American Chemical Society</i> , 1994, 116, 4832-4845.	13.7	466
136	Properties and structure of substituted poly(thiophene-2,5-diyl), poly(pyridine-2,5-diyl), and their analogues prepared by organometallic processes. <i>Synthetic Metals</i> , 1993, 55, 1214-1220.	3.9	5
137	Vibronic structures and anisotropy observed in linear and nonlinear optical spectra of vacuum-deposited polythiophene thin films. <i>Synthetic Metals</i> , 1993, 60, 259-264.	3.9	9
138	Molecular Orientation of Poly(2,2'-Bipyridine-5,5'-Diyl) Film Prepared by Vacuum Deposition on the Glass Substrate as Determined with SHG Technique. <i>Molecular Crystals and Liquid Crystals</i> , 1993, 226, 207-212.	0.3	0
139	Excitonic Excited States and Optical Spectra in Poly(p-Phenylenevinylene) Prepared by Carefully Controlled Thermal Elimination Reaction. <i>Japanese Journal of Applied Physics</i> , 1992, 31, 67-71.	1.5	11
140	Molecular Orientation in Vacuum-Deposited Poly(thiophene) Film Studied by Second-Harmonic Generation. <i>Japanese Journal of Applied Physics</i> , 1992, 31, 3869-3872.	1.5	5
141	Electrochemical and electric properties of vacuum-deposited poly(arylene)s: electrochemical activity, diode, and electroluminescence. <i>The Journal of Physical Chemistry</i> , 1992, 96, 8677-8679.	2.9	52
142	Photocurrent Excitation Spectra Observed with Au-Al Heteroelectrodes Biased Reversely and Reflection Spectra in Trans-Polyacetylene. <i>Japanese Journal of Applied Physics</i> , 1991, 30, L500-L503.	1.5	7