

# Toshiko Mizokuro

## List of Publications by Year in descending order

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77  
papers

709  
citations

623734

14  
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642732

23  
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79  
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79  
docs citations

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times ranked

663  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient triplet-triplet annihilation upconversion in binary crystalline solids fabricated via solution casting and operated in air. <i>Materials Horizons</i> , 2017, 4, 83-87.	12.2	82
2	Nitridation of silicon oxide layers by nitrogen plasma generated by low energy electron impact. <i>Applied Physics Letters</i> , 1997, 71, 1978-1980.	3.3	45
3	Selective Doping of Photochromic Dye into Nanostructures of Diblock Copolymer Films by Vaporization in a Vacuum. <i>Chemistry of Materials</i> , 2004, 16, 3469-3475.	6.7	41
4	Organic heterojunctions: Contact-induced molecular reorientation, interface states and charge re-distribution. <i>Scientific Reports</i> , 2016, 6, 21291.	3.3	35
5	Addition of Functional Characteristics of Organic Photochromic Dye to Nano-Structures by Selective Doping on a Polymer Surface. <i>Japanese Journal of Applied Physics</i> , 2003, 42, L983-L985.	1.5	28
6	Doping of functional materials into poly(p-phenylene vinylene) by the vapor transportation method. <i>Applied Physics Letters</i> , 2004, 85, 5155-5157.	3.3	27
7	Electronic Properties of Cu-Phthalocyanine/Fullerene Planar and Bulk Heterojunctions on PEDOT:PSS. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 1732-1737.	2.9	24
8	Synergetic Effects of Triplet-Triplet Annihilation and Directional Triplet Exciton Migration in Organic Crystals for Photon Upconversion. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6638-6643.	4.6	23
9	Experimental and theoretical studies on N 1s levels of silicon oxynitride films. <i>Surface Science</i> , 2002, 518, 72-80.	1.9	21
10	Polymer Solar Cell Prepared by a Novel Vacuum Spray Method. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 656-657.	1.5	18
11	Mechanism of low temperature nitridation of silicon oxide layers by nitrogen plasma generated by low energy electron impact. <i>Journal of Applied Physics</i> , 1999, 85, 2921-2928.	2.5	17
12	Nanometer scale marker for fluorescent microscopy. <i>Review of Scientific Instruments</i> , 2005, 76, 073701.	1.3	16
13	Orientation of $\hat{I}\pm$ -Sexithiophene on Friction-Transferred Polythiophene Film. <i>Journal of Physical Chemistry B</i> , 2012, 116, 189-193.	2.6	15
14	Simple Fabrication of Optical Transportation Media Using a Vacuum Transportation Technique. <i>Japanese Journal of Applied Physics</i> , 2003, 42, L613-L615.	1.5	14
15	Does Inactive Alkyl Chain Enhance Triplet-Triplet Annihilation of 9,10-Diphenylanthracene Derivatives?. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5334-5340.	3.1	14
16	Orientation management of $\hat{I}\pm$ -sexithiophene layer for the application in organic photovoltaic devices. <i>Organic Electronics</i> , 2012, 13, 3130-3137.	2.6	13
17	Orientation control of regioregular poly(3-dodecylthiophene) films formed by the friction-transfer method and the performance of organic photovoltaic devices based on these films. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	13
18	Fabrication of polymer thin films with in-depth dye-dispersed structures by the vacuum spray method. <i>Thin Solid Films</i> , 2008, 516, 1663-1668.	1.8	12

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19	Doped-Dye Orientation Relative to Oriented Polyfluorene Host Film. Japanese Journal of Applied Physics, 2008, 47, 416-419.	1.5	12
20	Preparation of Smooth Polymer Thin Film Using Spray Method under Vacuum. Japanese Journal of Applied Physics, 2004, 43, 307-308.	1.5	10
21	Triplet-triplet annihilation upconversion through triplet energy transfer at a nanoporous solid-liquid interface. Physical Chemistry Chemical Physics, 2020, 22, 17807-17813.	2.8	10
22	Molecular doping of photochromic dye into polymer substrates by the vapor transportation method and their photochromic behavior. Thin Solid Films, 2006, 499, 114-118.	1.8	9
23	White Polarized Electroluminescence Devices by Dye Deposition on Oriented Polyfluorene Films. Applied Physics Express, 2012, 5, 022103.	2.4	9
24	Oxidation of silicon by perchloric acid. Applied Surface Science, 1998, 133, 287-292.	6.1	8
25	Conditions leading to the formation of polymer thin layers with densely dispersed organic dyes using the vapor transportation method with vacuum technique. , 2003, , .		8
26	Fabrication of Fluorescence Micropatterns to Photoresists by Selective Doping of Fluorescent Dye Using Vapor Transportation Method. Japanese Journal of Applied Physics, 2005, 44, L1449-L1451.	1.5	8
27	Molecular doping of poly(p-phenylenevinylene) under vacuum for photovoltaic application. Thin Solid Films, 2006, 499, 110-113.	1.8	8
28	Oriented Thin Films of Polyaniline by Friction Transfer Method. Molecular Crystals and Liquid Crystals, 2009, 505, 80/[318]-86/[324].	0.9	8
29	A Formation of Organic Rewritable Optical Memory Media Using the Vapor Transportation Method. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2003, 16, 195-198.	0.3	7
30	Formation and characteristics of dispersion layers of organofluorine compounds in poly(methyl Tj ETQqO O 0 rgBT /Overlock 10 Tf 50 30	2.5	7
31	Spray Beam Analysis in Vacuum Spray Method for Deposition of Thin Organic Films. Japanese Journal of Applied Physics, 2008, 47, 425-431.	1.5	7
32	Oriented Polyfluorene Films Dye-Doped for Whitening of Polarized Electroluminescent Devices. Japanese Journal of Applied Physics, 2011, 50, 04DK20.	1.5	7
33	Crystallization of Bisphenol-A Polycarbonate by Using Vapor Transportation Methods. Polymer Journal, 2003, 35, 535-538.	2.7	6
34	Near-field optical microscope observation of dye-containing nano-domains. Journal of Microscopy, 2004, 213, 135-139.	1.8	6
35	Crystallization behavior of bisphenol A polycarbonate with a simple vacuum process. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 2307-2313.	2.1	6
36	Crystallization of bisphenol-A polycarbonate by a vacuum process. Polymers for Advanced Technologies, 2005, 16, 67-69.	3.2	6

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37	Control of Gradient Structure of Dye Dispersed in Polymer Thin Films by Vacuum Spray Method. Japanese Journal of Applied Physics, 2006, 45, 231-233.	1.5	6
38	Fabrication of micropatterns with dyes in polymer films by selective doping of dye vapor in a vacuum. Polymers for Advanced Technologies, 2006, 17, 841-844.	3.2	6
39	Whitening of Polymer Light-Emitting Diodes by Dispersing Vapor of an Orange Fluorescent Dye into a Blue-Emitting Polymer Film. Applied Physics Express, 2008, 1, 021804.	2.4	6
40	A New Formation Method of a Polymer Thin Film with Organic Dyes Using Vacuum Technique.. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2002, 15, 137-140.	0.3	5
41	Multicolored luminescent device based on non-substituted PPV. Thin Solid Films, 2006, 499, 410-414.	1.8	5
42	Highly photoluminescent poly(norbornene)s carrying platinumacetylide complex moieties in their side chains: evaluation of oxygen sensing and TTAUC. Polymer Chemistry, 2021, 12, 4829-4837.	3.9	5
43	Writable and erasable PPV medium by irradiation at 365nm. Thin Solid Films, 2008, 516, 2794-2799.	1.8	4
44	Graded doped structure fabricated by vacuum spray method to improve the luminance of polymer light-emitting diodes. Nano-Micro Letters, 2009, 1, 19-22.	27.0	4
45	Organic Photovoltaic Devices Based on Oriented <i>n</i> -Type Molecular Films Deposited on Oriented Polythiophene Films. Journal of Nanoscience and Nanotechnology, 2018, 18, 2702-2710.	0.9	4
46	Oriented Thin Films of Insoluble Polythiophene Prepared by the Friction Transfer Technique. Polymers, 2021, 13, 2393.	4.5	4
47	Oriented Polyfluorene Films Dye-Doped for Whitening of Polarized Electroluminescent Devices. Japanese Journal of Applied Physics, 2011, 50, 04DK20.	1.5	4
48	Triplettriplet annihilation photon upconversion from diphenylhexatriene and ring-substituted derivatives in solution. Physical Chemistry Chemical Physics, 2022, 24, 11520-11526.	2.8	4
49	Improvement of electrical characteristics of silicon oxynitride layers by a platinum method. Applied Surface Science, 2002, 199, 248-253.	6.1	3
50	Fabrication of polymeric waveguides by using vapor transportation method. , 2004, , .		3
51	Doping of Photochromic Dye to Polymer Substrates by Vaporization of the Dye in a Vacuum. Molecular Crystals and Liquid Crystals, 2005, 430, 287-293.	0.9	3
52	Vacuum Spray Method for Semiconductor Polymer Thin Film Preparation. Molecular Crystals and Liquid Crystals, 2006, 445, 27/[317]-33/[323].	0.9	3
53	Orientation Patterning of Liquid Crystals by UV-Irradiated Polysilane Oriented Films. Molecular Crystals and Liquid Crystals, 2006, 445, 119/[409]-124/[414].	0.9	3
54	Fabrication of Waveguide Core by Dispersal of Compound with Higher Refractive Index by Vacuum Process. Japanese Journal of Applied Physics, 2007, 46, 1200-1204.	1.5	3

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55	Polarized electroluminescent devices based on ultrathin $\hat{1}\pm$ -sexithiophene on oriented $\hat{1}^2$ -phase polyfluorene films. Japanese Journal of Applied Physics, 2014, 53, 01AC01.	1.5	3
56	Oriented blend films of poly(3-hexylthiophene) and [6,6]-phenyl-C61-butyric acid methyl ester fabricated by friction transfer method. Japanese Journal of Applied Physics, 2014, 53, 01AB05.	1.5	3
57	Oriented Thin Films of the Low-Band-Gap Polymer PTB7 by Friction Transfer Method. Molecular Crystals and Liquid Crystals, 2015, 621, 118-123.	0.9	3
58	Enhanced phosphorescence properties of a Pt-porphyrin derivative fixed on the surface of nano-porous glass. Photochemical and Photobiological Sciences, 2018, 17, 622-627.	2.9	3
59	Liquid exfoliation of ethyl-terminated layered germanane. Japanese Journal of Applied Physics, 2019, 58, S11B21.	1.5	3
60	Interface Structures between Polymer Substrates and Fluorescent Dye-Doped Polymer Layers Formed by Vaporization in Vacuum. Japanese Journal of Applied Physics, 2005, 44, 509-513.	1.5	2
61	Orientation of Rod-Shape Molecule, 2,2'-Bis[4-(Trifluoromethyl)Phenyl]-5,5'-Bithiazole in Films Deposited in a Vacuum on Oriented $\hat{1}\pm$ -Sexithiophene Films. Molecular Crystals and Liquid Crystals, 2015, 621, 156-161.	0.9	2
62	Oriented thin films of mixture of a low-bandgap polymer and a fullerene derivative prepared by friction-transfer method. Japanese Journal of Applied Physics, 2018, 57, 02CA06.	1.5	2
63	A Novel Fabrication Method of Optical Transportation Media Using a Vacuum Transportation Techniques. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2003, 16, 199-202.	0.3	1
64	Mapping the Distribution of Refractive Index in Photopolymer Film with Scanning Near-field Optical Microscopy. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2004, 17, 119-122.	0.3	1
65	Dye Doping of Poly(p-phenylenevinylene)s by Vapor Transportation for Photovoltaic Application. Japanese Journal of Applied Physics, 2005, 44, 630-632.	1.5	1
66	en-subtitle=. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2006, 19, 35-40.	0.3	1
67	Novel fabrication of nano-pattern with optical function by selective doping of dye vapor into novolac resin. Thin Solid Films, 2008, 516, 2411-2415.	1.8	1
68	Oriented thin films of perylenetetracarboxylic diimide on frictiontransferred polymer films. Physics Procedia, 2011, 14, 119-123.	1.2	1
69	Polarized emission from ultra-thin $\hat{1}\pm$ -sexithiophene layers on oriented $\hat{1}^2$ -phase polyfluorene films. Thin Solid Films, 2014, 554, 180-183.	1.8	1
70	Fabrication of n-buffer layers in organic devices by friction-transfer method. Molecular Crystals and Liquid Crystals, 2017, 653, 144-150.	0.9	1
71	Molecular arrangement in diphenylanthracene derivative films deposited under vacuum on in-plane oriented polythiophene films. Japanese Journal of Applied Physics, 2021, 60, 085504.	1.5	1
72	Graded doped structure fabricated by vacuum spray method to improve the luminance of polymer light-emitting diodes. Nano-Micro Letters, 2010, 1, 19.	27.0	1

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73	Pattern Doping into Non-Substituted Poly(p-phenylene vinylene) by a Simple Vacuum Process for a Multicolored Luminescence Medium. <i>Polymer Journal</i> , 2006, 38, 73-78.	2.7	0
74	Large-core polymer amplifier prepared by a simple vacuum process. , 2006, , .		0
75	Simple fabrication of waveguide core using a vacuum process. , 2006, 6117, 169.		0
76	Fabrication of Oriented Thin Films Composed of Polyfluorene and Oligothiophene, and Application for Polarized White Light Emitting Devices. <i>Journal of Physics: Conference Series</i> , 2013, 417, 012002.	0.4	0
77	Photosynergetic Effects on Triplet-Triplet Annihilation Upconversion Processes in Solid Studied by Theory and Experiments. , 2020, , 147-170.		0