Toshio Koizumi

List of Publications by Year
in descending order

80 papers	1,514 citations	331670 21 h-index	361022 35 g-index
85 all docs	85 docs citations	85 times ranked	1084 citing authors

#	Article	IF	Citations
1	Donorâ€“acceptor random regioregular Ï€-conjugated copolymers based on poly(3-hexylthiophene) with unsymmetrical monothienoisoindigo units. RSC Advances, 2020, 10, 19034-19040.	3.6	3
2	Direct Arylation Polycondensation of Fluoroarenes with Dibromoarenes. Kobunshi Ronbunshu, 2019, 76, 261-266.	0.2	0
3	Direction-specific fluorescence of an engineered organic crystal and the appearance of a new face caused by mechanically induced shaping. CrystEngComm, 2019, 21, 5990-5994.	2.6	14
4	Synthesis of network polymer emitters: tunable detection of chemicals by geometric design. Polymer Journal, 2019, 51, 1055-1061.	2.7	8
5	Facile synthesis of orthoâ€Phenyleneâ€based conjugated polymers through transformation of crossâ€conjugated poly(2,3â€diaryl[2]dendralene)s and their optical properties. Journal of Polymer Science Part A, 2019, 57, 827-832.	2.3	4
6	2,5â€Dimethoxybenzeneâ€1,4â€dicarboxaldehyde: An Emissive Organic Crystal and Highly Efficient Fluorescent Waveguide. ChemPlusChem, 2019, 84, 247-251.	2.8	26
7	A versatile scaffold for facile synthesis of fluorescent cyano-substituted stilbenes. Tetrahedron, 2019, 75, 1079-1084.	1.9	12
8	Optoelectronic Properties of Alternating Copolymers Based on 3,4-Ethylenedioxythiophene and Various Dibromoarenes and Organic Solar Cells Prepared Thereof. Kobunshi Ronbunshu, 2019, 76, 179-183.	0.2	0
9	Synthesis of Polymers Having Exomethylene Groups via Palladium(0)-Catalyzed Cross-Coupling Polymerization of Propargylic Carbonates with Various Nucleophiles. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2019, 77, 351-364.	0.1	0
10	Study on Direct Arylation of Bithiophene with Dibromoxanthene: Detection of Polymer, Oligomeric and Cyclic Byproducts and Easy Separation of the Polymer. Materials Today Communications, 2018, 17, 259-265.	1.9	5
11	Frontispiece: Mechanically Induced Shaping of Organic Single Crystals: Facile Fabrication of Fluorescent and Elastic Crystal Fibers. Chemistry - A European Journal, 2018, 24, .	3.3	0
12	Solvent Control over Supramolecular Gel Formation and Fluorescence for a Highly Crystalline Ï€â€Conjugated Polymer. Chemistry - an Asian Journal, 2018, 13, 2014-2018.	3.3	21
13	Mechanically Induced Shaping of Organic Single Crystals: Facile Fabrication of Fluorescent and Elastic Crystal Fibers. Chemistry - A European Journal, 2018, 24, 8507-8512.	3.3	70
14	A Simple Route to Unsymmetric Cyano-substituted Oligo(p-phenylene-vinylene)s. Chemistry Letters, 2018, 47, 1003-1005.	1.3	17
15	Palladium on carbonâ€catalyzed direct Câ€“H arylation polycondensation of 3,4â€ethylenedioxythiophene with various dibromoarenes. Journal of Polymer Science Part A, 2017, 55, 1183-1188.	2.3	14
16	From propargylic biscarbonate to diaryl[n]dendralenes. Tetrahedron Letters, 2017, 58, 2429-2432.	1.4	10
17	Effects of molecular weight on the optical and electrochemical properties of EDOT-based Ï€-conjugated polymers. Scientific Reports, 2017, 7, 1078.	3.3	40
18	Direct arylation polycondensation of Î²-unprotected chalcogen heteroles under phosphine-free conditions. Polymer, 2017, 113, 214-220.	3.8	16

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19	Elastic Bending Flexibility of a Fluorescent Organic Single Crystal: New Aspects of the Commonly Used Building Block 4,7-Dibromo-2,1,3-benzothiadiazole. Crystal Growth and Design, 2017, 17, 6158-6162.	3.0	67
20	Synthesis of Ï€â€conjugated network polymers based on fluoroarene and fluorescent units via direct arylation polycondensation and their porosity and fluorescent properties. Journal of Polymer Science Part A, 2017, 55, 3862-3867.	2.3	25
21	Fluorescent organic single crystals with elastic bending flexibility: 1,4-bis(thien-2-yl)-2,3,5,6-tetrafluorobenzene derivatives. Scientific Reports, 2017, 7, 9453.	3.3	63
22	Enzymatic Specific Production and Chemical Functionalization of Phenylpropanone Platform Monomers from Lignin. ChemSusChem, 2017, 10, 425-433.	6.8	33
23	A Cyclic Compound based on Xanthene-linked Ï€-Stacked Dimer via Direct Arylation. Chemistry Letters, 2017, 46, 200-203.	1.3	10
24	Synthesis of Network Polymers Containing Triazine via Direct Arylation of Fluoroarenes and Their Properties. Kobunshi Ronbunshu, 2017, 74, 453-459.	0.2	2
25	Study on Direct Arylation Polycondensation of 3,4-Ethylenedioxythiophene with Dibromocarbazole. Kobunshi Ronbunshu, 2017, 74, 588-593.	0.2	1
26	Synthesis of a Bithiophene-Isoindigo-Based Ï€-Conjugated Polymer <i>via</i> Direct Arylation Polycondensation Using Palladium Immobilized on Thiol-modified Silica Gel (PITS). Kobunshi Ronbunshu, 2017, 74, 584-587.	0.2	0
27	Palladium Immobilized on Thiolâ€Modified Silica Gel for Effective Direct Câ^'H Arylation. ChemPlusChem, 2016, 81, 930-934.	2.8	20
28	Elastic Organic Crystals of a Fluorescent Ï€â€Conjugated Molecule. Angewandte Chemie - International Edition, 2016, 55, 2701-2704.	13.8	201
29	Synthesis of Small Band Gap Poly[Bis-EDOT-Isoindigo] via Direct Arylation and Oxidative Electropolymerization, and Its Optoelectronic Properties. Electrochemistry, 2016, 84, 570-573.	1.4	6
30	Direct arylation of fluoroarenes toward linear, bent-shaped and branched Ï€-conjugated polymers: polycondensation post-polymerization approaches. Polymer Chemistry, 2016, 7, 5671-5686.	3.9	18
31	Elastic Organic Crystals of a Fluorescent Ï€â€Conjugated Molecule. Angewandte Chemie, 2016, 128, 2751-2754.	2.0	80
32	Synthesis of Ï€-conjugated porous polymers via direct arylation of fluoroarenes with three-arm triazine. Polymer, 2016, 90, 187-192.	3.8	24
33	Direct Arylation Polycondensation of 1,2,4,5-Tetrafluorobenzene Using Palladium on Carbon. Kobunshi Ronbunshu, 2015, 72, 524-527.	0.2	4
34	Chloride-promoted Pd-catalyzed direct Câ€“H arylation for highly efficient phosphine-free synthesis of Ï€-conjugated polymers. Polymer Chemistry, 2015, 6, 5036-5039.	3.9	45
35	Highly regioselective Pd/C-catalyzed direct arylation toward thiophene-based Ï€-conjugated polymers. Polymer Chemistry, 2015, 6, 881-885.	3.9	64
36	Modification of Lewis Basic ^|^pi;-Conjugated Polymer Films via Br^|^oslash;nsted and Lewis Acid Vapor Treatments. Kobunshi Ronbunshu, 2014, 71, 382-385.	0.2	1

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37	Solubility switching of fluorescent polymer films via lewis acidâ€“base vapor treatments. Journal of Polymer Science Part A, 2014, 52, 3142-3145.	2.3	8
38	Trifluoroborate-modification of both pyridine and N-alkyldiarylamine-based Ï€-conjugated polymer films: tuning the electronic communication and the mean conjugated length based on two types of nitrogen in the conjugated main segments. RSC Advances, 2013, 3, 7375.	3.6	18
39	From Thiopheneboroles to Boron-containing Conjugated Macromolecules via Electropolymerization. Electrochemistry, 2013, 81, 340-342.	1.4	3
40	Polycondensation behavior between propargyl carbonates having a bulky ester group and bisphenols in the presence of Pd(0) catalyst: synthesis of exomethylene-containing polyethers. Polymer Journal, 2012, 44, 321-326.	2.7	4
41	Two Synthetic Approaches from 2,5-Di(2-thienyl)pyridine to a BF3-modified Polymer Film. Chemistry Letters, 2012, 41, 979-981.	1.3	14
42	Ï€-Conjugated alternating copolymer based on the 3,5-dinitro-9-fluorenone for electron-acceptor type materials. Synthetic Metals, 2012, 162, 1485-1489.	3.9	8
43	From a benzodiazaborole-based compound to donorâ€“acceptor polymer via electropolymerization. Polymer Chemistry, 2012, 3, 613.	3.9	39
44	Synthesis of Polyfluorenes Having Alkylimine Side Chains at 9-Position and Their Optoelectronic Properties. Kobunshi Ronbunshu, 2012, 69, 309-312.	0.2	0
45	Palladium(0)â€Catalyzed Synthesis of Crossâ€Conjugated Polymers: Transformation into Linearâ€Conjugated Polymers through the Dielsâ€“Alder Reaction. Angewandte Chemie - International Edition, 2012, 51, 3682-3685.	13.8	25
46	Modification of pyridine-based conjugated polymer films via Lewis acid: halochromism, characterization and macroscopic gradation patterning. Polymer Chemistry, 2011, 2, 2764.	3.9	37
47	Pd(0)â€catalyzed polycondensation of arylâ€substituted propargylic carbonates with bifunctional nucleophiles promoted by aryl group on the acetylenic terminal carbon. Journal of Polymer Science Part A, 2011, 49, 642-649.	2.3	9
48	Synthesis of novel nitrogen-containing polymers by Pd(0)-catalyzed polycondensation of propargylic carbonates and bifunctional nitrogen nucleophiles. European Polymer Journal, 2011, 47, 1142-1150.	5.4	9
49	Selective synthesis of functionalized allylic compounds by Pd(0)-catalyzed three-component reaction of methyl propargyl carbonate with phenols and nucleophiles. Tetrahedron Letters, 2011, 52, 3662-3665.	1.4	16
50	Pd(0)â€catalyzed polycondensation of methyl propargyl carbonate and bisphenols under stoichiometrically imbalanced conditions. Journal of Polymer Science Part A, 2008, 46, 2250-2261.	2.3	19
51	Facile synthesis of unsaturated polyamines having hydroxyl groups by Pd(0)â€catalyzed polyaddition of bifunctional vinylepoxide and aliphatic amines. Journal of Applied Polymer Science, 2008, 108, 2274-2279.	2.6	0
52	Raman Spectroscopic Study on the Coordination Behavior of Rare Earth Ions in N-Methylacetamide. Journal of Physical Chemistry B, 2008, 112, 13355-13358.	2.6	8
53	Pressure effect on the amide I frequency of the solvated Î±-helical structure in water. Journal of Physics Condensed Matter, 2007, 19, 425212.	1.8	1
54	Novel Palladium-Catalyzed Polycondensation of Propargyl Carbonates and Bisphenols. Synthesis of Polyethers Having Exomethylene Groups. Macromolecules, 2004, 37, 9670-9672.	4.8	21

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55	Palladium(0)-catalyzed Synthesis of Unsaturated Polyethers from Bifunctional Vinyloxiranes and Bisphenol Analogues. Polymer Journal, 2004, 36, 647-651.	2.7	2
56	Synthesis and fluorescence in solution of polybenzimidazolylphenylenephthalamides. Journal of Applied Polymer Science, 2003, 89, 1412-1416.	2.6	5
57	Pd(0)-catalyzed polyaddition of bifunctional vinyloxiranes with phenol derivatives: The synthesis of polymers containing an allyl aryl ether moiety in the main chain. Journal of Polymer Science Part A, 2003, 41, 476-482.	2.3	5
58	Palladium(0)-Catalyzed Polyaddition of Bifunctional Vinyloxirane with Nitrogen Nucleophiles. Synthesis of Polymers Containing an Allylamine Moiety in the Main Chain and Pendant Hydroxyl Groups. Macromolecules, 2003, 36, 5882-5884.	4.8	7
59	Palladium(0)-Catalyzed Synthesis of Unsaturated Polyesters from Bifunctional Vinyloxirane and Diacids. Polymer Journal, 2003, 35, 266-269.	2.7	2
60	Novel Palladium(0)-Catalyzed Polyaddition of Bifunctional Vinyloxiranes with 1,3-Diketones. Synthesis of New Polymers Bearing an Allyl Alcohol Moiety via Ï€-Allylpalladium Intermediates. Macromolecules, 2002, 35, 2898-2902.	4.8	14
61	Pd(0)-catalyzed polyaddition of bifunctional vinyloxiranes with 1,3-dicarbonyl compounds: The synthesis of polymers containing hydroxy and carbonyl groups. Journal of Polymer Science Part A, 2002, 40, 2487-2494.	2.3	7
62	Radical ring-opening copolymerization behavior of vinyloxirane: Synthesis of copolymer from 2-isopropenyl-3-phenyloxirane and styrene and its functionalization. Journal of Polymer Science Part A, 2000, 38, 3729-3735.	2.3	2
63	Polyaddition of Bifunctional Vinyloxirane with Carbon Nucleophiles via Ï€-Allylpalladium Intermediate. Synthesis of New Polymers Bearing an Allyl Alcohol Moiety in the Main Chain. Macromolecules, 2000, 33, 7235-7237.	4.8	7
64	Radical polymerization behavior ofN-vinylsaccharin. Journal of Polymer Science Part A, 1999, 37, 3419-3426.	2.3	9
65	Diazadithiafulvalenes as electron donor reagents. Journal of the Chemical Society Perkin Transactions 1, 1999, , 3637-3643.	0.9	29
66	Novel Radical Ring-Opening Polymerization of Vinyloxirane Derivatives:Â Synthesis and Polymerization of 2-Vinyl-1-oxaspiro[2.5]octanes. Macromolecules, 1998, 31, 9096-9098.	4.8	5
67	The First Polycondensation through a Free Radical Chain Process. Journal of the American Chemical Society, 1997, 119, 8718-8719.	13.7	2
68	Reactions of Arenediazonium Salts with Diazadithiafulvalenes. Tetrahedron Letters, 1997, 38, 7635-7638.	1.4	32
69	Radical Ring-Opening Polymerization Behavior of Halogenated Phenyl-3-vinyloxiranes. Polymer Journal, 1995, 27, 757-761.	2.7	4
70	Synthesis of poly(4-vinylbenzocyclobutene) and its reaction with dienophiles. Journal of Polymer Science Part A, 1995, 33, 707-715.	2.3	17
71	Radical Ring-Opening Polyaddition of Bis(vinyloxirane) Derivatives and Dithiols. Macromolecules, 1995, 28, 5649-5654.	4.8	9
72	Synthesis and photodegradation of polyacrylonitrile having ketone group obtained from radical copolymerization of 2,2-diphenyl-4-methylene-1,3-dioxolane with acrylonitrile. Journal of Polymer Science Part A, 1994, 32, 3193-3195.	2.3	9

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73	Novel Radical Ring-Opening Polyaddition of Dithiols to Bis(isopropenylepoxyethyl)benzene. Macromolecules, 1994, 27, 1284-1285.	4.8	9
74	Radical ring-opening polymerization of 2-phenyl-3-vinyloxirane derivatives having a methyl group on the vinyl function. Journal of Polymer Science Part A, 1993, 31, 3489-3492.	2.3	16
75	Electroreductive polymerization of mixtures of chloromonosilanes. Electrochimica Acta, 1991, 36, 621-624.	5.2	22
76	Electroreductive polymerization of organodichloromonosilanes. Electrochimica Acta, 1990, 35, 1867-1872.	5.2	27
77	Anodic Oxidation of (Trimethylsilyl)methanes with Ï€-Electron Substituents in the Presence of Nucleophiles. Bulletin of the Chemical Society of Japan, 1989, 62, 219-225.	3.2	54
78	Anodic oxidation of Î±,Î±â€²-bis(trimethylsilyl)xylenes in alcohols. Electrochimica Acta, 1988, 33, 1635-1644.	5.2	13
79	A Novel Synthesis of Phenylthiomethyl(PTM) Ethers and Esters by Anodic Oxidation of Phenyl Trimethylsilylmethyl Sulfide. Chemistry Letters, 1987, 16, 1095-1096.	1.3	28
80	Reaction Mechanism of Cathodic Crossed Coupling of Acetone with Unsaturated Compounds in Acidic Solution. Bulletin of the Chemical Society of Japan, 1986, 59, 757-762.	3.2	7