

# Hideyuki Higashimura

## List of Publications by Year in descending order

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59  
papers

3,279  
citations

185998

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docs citations

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times ranked

3914  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzyme Model-catalyzed Oxidative Copolymerization of Phenol while Continuously Adding an Endcap to Multi-branched Poly(phenylene oxide) Showing Low Dielectric Constant. <i>Chemistry Letters</i> , 2022, 51, 420-423.	0.7	3
2	A new poly(arylene oxide) with an extremely low dielectric constant as a fully aromatic hydrocarbon-type polymer. <i>Polymer</i> , 2021, 237, 124345.	1.8	4
3	Synthesis of Poly(aromatic)s II: Enzyme-Model Complexes as Catalyst. <i>Green Chemistry and Sustainable Technology</i> , 2019, , 307-341.	0.4	1
4	Design and Synthesis of Porous Coordination Polymers with Expanded One-Dimensional Channels and Strongly Lewis-Acidic Sites. <i>ChemNanoMat</i> , 2018, 4, 103-111.	1.5	11
5	Construction of Pt complex within Zr-based MOF and its application for hydrogen production under visible-light irradiation. <i>Research on Chemical Intermediates</i> , 2016, 42, 7679-7688.	1.3	32
6	Synthesis, Properties, and Polymerization of Spiro[(dipyridinogeremole)(dithienogeremole)]. <i>Organometallics</i> , 2016, 35, 20-26.	1.1	27
7	Cobalt Phenanthroline-Indole Macrocycles as Highly Active Electrocatalysts for Oxygen Reduction. <i>Chemistry - A European Journal</i> , 2014, 20, 14178-14183.	1.7	21
8	Distibylation of Acetylenes with $\text{Ph}_2\text{Sb}^-\text{SbPh}_2^+$ : Synthesis, Crystal Structures and Phosphorescence Properties of Bis(diphenylstibyl)ethenes. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2014, 69, 1181-1187.	0.3	0
9	Synthesis of Group 14 Dipyridinometalloles with Enhanced Electron-Deficient Properties and Solid-State Phosphorescence. <i>Organometallics</i> , 2014, 33, 517-521.	1.1	39
10	Synthesis and Properties of Nitrogen-Introduced Phenylazomethine Dendrimer. <i>Synthetic Communications</i> , 2014, 44, 2239-2247.	1.1	3
11	A Systematic Study on the Stability of Porous Coordination Polymers against Ammonia. <i>Chemistry - A European Journal</i> , 2014, 20, 15611-15617.	1.7	73
12	Development of a Ru complex-incorporated MOF photocatalyst for hydrogen production under visible-light irradiation. <i>Chemical Communications</i> , 2014, 50, 6779.	2.2	145
13	One-dimensional alignment of strong Lewis acid sites in a porous coordination polymer. <i>Chemical Communications</i> , 2013, 49, 10459.	2.2	39
14	Efficient hydrogen production and photocatalytic reduction of nitrobenzene over a visible-light-responsive metal-organic framework photocatalyst. <i>Catalysis Science and Technology</i> , 2013, 3, 2092.	2.1	198
15	Synthesis of dithienosilole-based highly photoluminescent donor-acceptor type compounds. <i>Dalton Transactions</i> , 2013, 42, 3646.	1.6	19
16	Synthesis, Optical Properties, and Crystal Structures of Dithienostannoles. <i>Organometallics</i> , 2013, 32, 4136-4141.	1.1	32
17	Synthesis and Optical Properties of Dithienostiboles. <i>Chemistry Letters</i> , 2012, 41, 1002-1003.	0.7	24
18	Sol-Gel-derived Bridged Polysilsesquioxane as a Hydrogen Peroxide Decomposition Catalyst: Immobilization of a Dimanganese Complex and Its Improved Thermal Stability. <i>Chemistry Letters</i> , 2012, 41, 591-592.	0.7	0

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19	Visible-Light-Promoted Photocatalytic Hydrogen Production by Using an Amino-Functionalized Ti(IV) Metal-Organic Framework. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20848-20853.	1.5	551
20	Fused $\pi$ -extended discotic triangular porphyrinoids. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 564-575.	0.4	4
21	Synthesis of $\pi$ -Conjugated Polymers Containing Fluorinated Arylene Units via Direct Arylation: Efficient Synthetic Method of Materials for OLEDs. <i>Macromolecules</i> , 2012, 45, 4128-4133.	2.2	140
22	Triangular Trinuclear Metal-N <sub>4</sub> Complexes with High Electrocatalytic Activity for Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2011, 133, 10372-10375.	6.6	184
23	Synthesis and optical properties of a bis(diphenylphosphino)dithienosilole-gold(I) complex. <i>Heteroatom Chemistry</i> , 2011, 22, 514-517.	0.4	6
24	Synthesis of Dithienobismoles as Novel Phosphorescence Materials. <i>Organometallics</i> , 2010, 29, 3239-3241.	1.1	61
25	Oxidative Dimerization of Phenol Based on Micromixing in Single- And Two-Phase Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 7154-7160.	1.8	0
26	éçš»é†â±žéCE-ã1/2“èš   â’ã,’ç””ã,ã,«èš3é   TMæ—ãfãfãfãfãf1/4ãç23/4ã-†âæ^• Kobunshi, 2008, 57, 138-141.	0.0	0
27	Chain-Growth Polymerization for the Synthesis of Polyfluorene via Suzuki-Miyaura Coupling Reaction from an Externally Added Initiator Unit. <i>Journal of the American Chemical Society</i> , 2007, 129, 7236-7237.	6.6	314
28	Novel vanadium catalyst system with tartaric acid salts for highly selective asymmetric oxidative coupling polymerization. <i>Polymer</i> , 2007, 48, 6565-6570.	1.8	14
29	Asymmetric oxidative coupling polymerization of dihydroxynaphthalene derivatives with cobalt-salen complexes. <i>Polymer Bulletin</i> , 2007, 59, 303-310.	1.7	8
30	Synthesis of Poly (binaphthol)s by Highly Selective Asymmetric Oxidative Coupling Polymerization. <i>Kobunshi Ronbunshu</i> , 2006, 63, 297-305.	0.2	3
31	Oxidative coupling polymerization of 2,3-dihydroxynaphthalene with dinuclear-type copper(II) catalyst. <i>Journal of Polymer Science Part A</i> , 2005, 43, 1635-1640.	2.5	17
32	?Radical-controlled? oxidative polymerization of phenol: Comparison with that of 4-phenoxyphenol. <i>Journal of Polymer Science Part A</i> , 2005, 43, 1955-1962.	2.5	33
33	New asymmetric vanadium catalyst for highly selective oxidative coupling polymerization. <i>Journal of Polymer Science Part A</i> , 2005, 43, 5872-5878.	2.5	30
34	Radical-Controlled Oxidative Polymerization of Phenols. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2005, 63, 970-981.	0.0	2
35	The most hindered hydrotris(pyrazolyl)borate ligand, X-ray structure of chlorocopper(II) complex: [Cu(Cl){HB(3-Ad-5-Prpz)3}] as compared with [Cu(Cl){HB(3-But-5-Prpz)3}]. <i>Inorganic Chemistry Communication</i> , 2004, 7, 209-212.	1.8	29
36	Copper(II) complexes with a novel tris(3,5-diisopropyl-1-pyrazolyl)methane ligand, [Cu(X <sub>2</sub> ){HC(3,5-i Pr)Tj ETQq0,0,0 rgBT /Qverlock 1	1.8	20

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37	Ab Initio Calculation on the Reaction Mechanism of $\alpha$ -Radical-Controlled Oxidative Polymerization of Phenols. Bulletin of the Chemical Society of Japan, 2004, 77, 813-818.	2.0	6
38	Oxidative polymerization of phenols revisited. Progress in Polymer Science, 2003, 28, 1015-1048.	11.8	287
39	93 $\alpha$ -Radical-controlled oxidative polymerization of phenols. Studies in Surface Science and Catalysis, 2003, 145, 423-426.	1.5	2
40	140 Reaction path to phenol coupling with copper complex. Studies in Surface Science and Catalysis, 2003, 145, 537-538.	1.5	0
41	Recent Developments in Transition Metal-Catalyzed Polymerization. II. Highly Regioselective Oxidative Polymerization of Phenols Catalyzed by a Tyrosinase Model Complex.. Kobunshi Ronbunshu, 2002, 59, 319-331.	0.2	3
42	Regio- and chemo-selective polymerization of phenols catalyzed by oxidoreductase enzyme and its model complexes. Macromolecular Symposia, 2001, 175, 1-10.	0.4	18
43	New crystalline polymers: poly(2,5-dialkyl-1,4-phenylene oxide)s. Macromolecular Rapid Communications, 2000, 21, 1121-1124.	2.0	40
44	Coupling selectivity in the radical-controlled oxidative polymerization of 4-phenoxyphenol catalyzed by (1,4,7-triisopropyl-1,4,7-triazacyclononane)copper(II) complex. Journal of Polymer Science Part A, 2000, 38, 4792-4804.	2.5	26
45	$\alpha$ -Radical-controlled oxidative polymerization of phenols. Substituent effect of phenol monomers on the reaction rate. Polymers for Advanced Technologies, 2000, 11, 733-738.	1.6	28
46	$\alpha$ -Radical-controlled oxidative polymerization of m-cresol catalyzed by $\mu_2$ -peroxy dicopper(II) complex. Journal of Molecular Catalysis A, 2000, 155, 201-207.	4.8	36
47	$\alpha$ -Radical-controlled oxidative polymerization of 4-phenoxyphenol catalyzed by a dicopper complex of a dinucleating ligand. Journal of Molecular Catalysis A, 2000, 161, 233-237.	4.8	19
48	$\alpha$ -Radical-controlled oxidative polymerization of o-cresol catalyzed by $\mu_2$ -peroxy dicopper(II) complex. Applied Catalysis A: General, 2000, 194-195, 427-433.	2.2	31
49	$\alpha$ -Radical-Controlled Oxidative Polymerization of 4-Phenoxyphenol by a Tyrosinase Model Complex Catalyst to Poly(1,4-phenylene oxide). Macromolecules, 2000, 33, 1986-1995.	2.2	90
50	Peroxidase-Catalyzed Oxidative Polymerization of 4,4'-Dihydroxydiphenyl Ether. Formation of $\mu_2$ -Hydroxyoligo(1,4-phenylene oxide) through an Unusual Reaction Pathway. Macromolecules, 2000, 33, 9152-9155.	2.2	40
51	Coupling selectivity in the radical-controlled oxidative polymerization of 4-phenoxyphenol catalyzed by (1,4,7-triisopropyl-1,4,7-triazacyclononane)copper(II) complex. Journal of Polymer Science Part A, 2000, 38, 4792-4804.	2.5	3
52	Synthesis of a soluble polyphenol by oxidative polymerization of bisphenol-A using iron-salen complex as catalyst. Polymer Bulletin, 1999, 42, 125-129.	1.7	41
53	OXIDATIVE POLYMERIZATION OF 2,6-DISUBSTITUTED PHENOLS CATALYZED BY IRON-SALEN COMPLEX. Journal of Macromolecular Science - Pure and Applied Chemistry, 1999, 36, 719-730.	1.2	32
54	Synthesis, Structure and Reactivity of Phenoxy Copper(II) Complexes, Cu(OAr)(HB(3,5-Pri2pz)3) (Ar =) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	32

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55	Novel highly-regioselective oxidative-polymerization of 4-phenoxyphenol to poly(1,4-phenylene oxide) catalyzed by tyrosinase model complexes. <i>Studies in Surface Science and Catalysis</i> , 1999, 121, 111-116.	1.5	0
56	Highly Regioselective Oxidative Polymerization of 4-Phenoxyphenol to Poly(1,4-phenylene oxide) Catalyzed by Tyrosinase Model Complexes. <i>Journal of the American Chemical Society</i> , 1998, 120, 8529-8530.	6.6	122
57	Urea as the most reactive and versatile nitrogen nucleophile for the palladium(2+)-catalyzed cyclization of unsaturated amines. <i>Journal of the American Chemical Society</i> , 1988, 110, 3994-4002.	6.6	198
58	PdII-Catalyzed Regioselective Arylchlorination and Oxyarylation of Unsaturated Alcohols. <i>Angewandte Chemie International Edition in English</i> , 1986, 25, 735-737.	4.4	36
59	A-(modified B6)-B-[.omega.-amino(ethylamino)]-.beta.-cyclodextrin as an artificial B6 enzyme for chiral aminotransfer reaction. <i>Journal of the American Chemical Society</i> , 1985, 107, 5545-5546.	6.6	78