

Hideki Hayashi

List of Publications by Year in descending order

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95
papers

1,761
citations

394421

19
h-index

302126

39
g-index

96
all docs

96
docs citations

96
times ranked

1996
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased impact strength of biodegradable poly(lactic acid)/poly(butylene succinate) blend composites by using isocyanate as a reactive processing agent. <i>Journal of Applied Polymer Science</i> , 2007, 106, 1813-1820.	2.6	230
2	Synthesis of Thiophene- and Bithiophene-Based Alternating Copolymers via Pd-Catalyzed Direct C-H Arylation. <i>ACS Macro Letters</i> , 2012, 1, 67-70.	4.8	185
3	Reactive compatibilization of biodegradable poly(lactic acid)/poly(ϵ -caprolactone) blends with reactive processing agents. <i>Polymer Engineering and Science</i> , 2008, 48, 1359-1368.	3.1	142
4	Synthesis of π -Conjugated Polymers Containing Fluorinated Arylene Units via Direct Arylation: Efficient Synthetic Method of Materials for OLEDs. <i>Macromolecules</i> , 2012, 45, 4128-4133.	4.8	140
5	Identification of key plant traits contributing to the cooling effects of green façades using freestanding walls. <i>Building and Environment</i> , 2013, 66, 96-103.	6.9	100
6	Development of Novel Polymer-Coated Substrates for Straightening and Fixing DNA. <i>Nano Letters</i> , 2002, 2, 475-479.	9.1	75
7	Preparation and properties of π -conjugated poly(benzimidazole-4,7-diyl)s. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 1807-1813.	2.2	43
8	Fluorescence Visualization of Carbon Nanotubes by Modification with Silicon-Based Polymer. <i>Nano Letters</i> , 2002, 2, 1157-1160.	9.1	39
9	Fabricating and Aligning π -Conjugated Polymer-Functionalized DNA Nanowires: Atomic Force Microscopic and Scanning Near-Field Optical Microscopic Studies. <i>Langmuir</i> , 2005, 21, 7945-7950.	3.5	39
10	A Single Nucleotide Polymorphism of Reduced Folate Carrier 1 Predicts Methotrexate Efficacy in Japanese Patients with Rheumatoid Arthritis. <i>Drug Metabolism and Pharmacokinetics</i> , 2013, 28, 164-168.	2.2	33
11	Simultaneous microdetermination of bosentan, ambrisentan, sildenafil, and tadalafil in plasma using liquid chromatography/tandem mass spectrometry for pediatric patients with pulmonary arterial hypertension. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 89, 227-232.	2.8	33
12	Simultaneous and rapid determination of gefitinib, erlotinib and afatinib plasma levels using liquid chromatography/tandem mass spectrometry in patients with non-small cell lung cancer. <i>Biomedical Chromatography</i> , 2016, 30, 1150-1154.	1.7	33
13	Synthesis of Regioregular π -Conjugated Poly(thienyleneethynylene) with a Hindered Phenolic Substituent. <i>Macromolecules</i> , 1997, 30, 330-332.	4.8	30
14	Bioanalysis of bevacizumab and infliximab by high-temperature reversed-phase liquid chromatography with fluorescence detection after immunoaffinity magnetic purification. <i>Analytica Chimica Acta</i> , 2016, 916, 112-119.	5.4	28
15	High-Throughput Bioanalysis of Bevacizumab in Human Plasma Based on Enzyme-Linked Aptamer Assay Using Anti-Idiotypic DNA Aptamer. <i>Analytical Chemistry</i> , 2019, 91, 3125-3130.	6.5	25
16	Spectroelectrochemical Characterization of Si-Bridged Diphenylamines: Influence of Si-Bridging upon Electronic Structures of Diphenylamines. <i>Analytical Sciences</i> , 2001, 17, 545-549.	1.6	23
17	Preparation and Properties of Disilane and Disiloxane Unit-Fused Poly(diphenylamine). <i>Polymer Journal</i> , 2003, 35, 704-710.	2.7	23
18	Preparation and clinical evaluation of a novel lozenge containing polaprezinc, a zinc-L-carnosine, for prevention of oral mucositis in patients with hematological cancer who received high-dose chemotherapy. <i>Medical Oncology</i> , 2016, 33, 91.	2.5	21

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19	Application of Fluorescence Polarization Immunoassay for Determination of Methotrexate-Polyglutamates in Rheumatoid Arthritis Patients. <i>Tohoku Journal of Experimental Medicine</i> , 2008, 215, 95-101.	1.2	20
20	Effects of pharmacokinetics-related genetic polymorphisms on the side effect profile of afatinib in patients with non-small cell lung cancer. <i>Lung Cancer</i> , 2019, 134, 1-6.	2.0	20
21	N-Oxides and N-ylides of π -conjugated poly(arylene)s. Preparation and properties of the polymers. <i>Polymer</i> , 1997, 38, 4233-4239.	3.8	18
22	Synthesis of Bis(phenazasiline) Compounds and Their Application for TFT as a Model of Phenazasiline-Containing Polymers. <i>Bulletin of the Chemical Society of Japan</i> , 2010, 83, 1282-1284.	3.2	18
23	π -Conjugated polymers containing thiophene-1,1-dioxide-2,5-diyl unit in the main chain. <i>Synthetic Metals</i> , 1999, 107, 137-141.	3.9	17
24	Preparation and Properties of π -Conjugated Polymer with Phenazasiline Units. <i>Chemistry Letters</i> , 2000, 29, 688-689.	1.3	17
25	Preparation and Reactivity of Poly [N-(arylmethyl)phenazasiline]s. Effects of Substituent on the N Atom on Poly(phenazasiline). <i>Polymer Journal</i> , 2001, 33, 498-501.	2.7	16
26	Relationship between ABCB1 gene polymorphisms and severe neutropenia in patients with breast cancer treated with doxorubicin/cyclophosphamide chemotherapy. <i>Drug Metabolism and Pharmacokinetics</i> , 2015, 30, 149-153.	2.2	16
27	Plasma vitamin K concentrations depend on CYP4F2 polymorphism and influence on anticoagulation in Japanese patients with warfarin therapy. <i>Thrombosis Research</i> , 2015, 135, 861-866.	1.7	15
28	Preparation of Phenazasiline-containing Poly(arylene)s and Their Use as Functional Additives in Resins. <i>Polymer Journal</i> , 2005, 37, 52-57.	2.7	14
29	Genetic Polymorphism of C452T (T127I) in Human γ -Glutamyl Hydrolase in a Japanese Population. <i>Biological and Pharmaceutical Bulletin</i> , 2007, 30, 839-841.	1.4	14
30	Highly Localized Light Field on Metallic Nanoarrays Prepared with DNA Nanofibers. <i>Analytical Sciences</i> , 2009, 25, 1177-1179.	1.6	14
31	Clinical impact of matrix-assisted laser desorption ionization-time of flight mass spectrometry combined with antimicrobial stewardship interventions in patients with bloodstream infections in a Japanese tertiary hospital. <i>International Journal of Clinical Practice</i> , 2019, 73, e13332.	1.7	14
32	Anti-Idiotypic DNA Aptamer Affinity Purification-High-Temperature Reversed-Phase Liquid Chromatography: A Simple, Accurate, and Selective Bioanalysis of Bevacizumab. <i>Molecules</i> , 2019, 24, 857.	3.8	14
33	Successful afatinib treatment of advanced non-small-cell lung cancer patients undergoing hemodialysis. <i>Cancer Chemotherapy and Pharmacology</i> , 2017, 79, 209-213.	2.3	13
34	Spectroelectrochemical properties of polyphenazasiline.. <i>Bunseki Kagaku</i> , 2000, 49, 169-174.	0.2	12
35	Clinical Efficacy of Afatinib Treatment for a Patient with Leptomeningeal Carcinomatosis. <i>Chemotherapy</i> , 2017, 62, 147-150.	1.6	12
36	Preparation and Spectroelectrochemical Properties of Poly(N-phenylphenazasiline). <i>Polymer Journal</i> , 2002, 34, 400-404.	2.7	11

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37	Preparation and Electrochemical Behavior of N-Substituted Phenothiazine Oxide. <i>Heterocycles</i> , 2016, 92, 1441.	0.7	11
38	4217C>A polymorphism in carbamoyl-phosphate synthase 1 gene may not associate with hyperammonemia development during valproic acid-based therapy. <i>Epilepsy Research</i> , 2014, 108, 1046-1051.	1.6	10
39	Preparation and Properties of Polythiophene with Phenylacetylene Substituent.. <i>Kobunshi Ronbunshu</i> , 2001, 58, 221-226.	0.2	9
40	Preparation and properties of poly(arylene) containing Si unit-bridged diphenylamine. <i>Synthetic Metals</i> , 2009, 159, 859-863.	3.9	9
41	Dihydrofolate Reductase Gene Intronic 19-bp Deletion Polymorphisms in a Japanese Population. <i>Drug Metabolism and Pharmacokinetics</i> , 2010, 25, 516-518.	2.2	9
42	Preparation of Phenazasiline-Containing Polymer and Its Application as Functional Additive for Compatibility Estimation. <i>Bunseki Kagaku</i> , 2011, 60, 215-222.	0.2	9
43	Reduced folate carrier 1 gene expression levels are correlated with methotrexate efficacy in Japanese patients with rheumatoid arthritis. <i>Drug Metabolism and Pharmacokinetics</i> , 2015, 30, 227-230.	2.2	9
44	Effect of high-flow high-volume-intermittent hemodiafiltration on metformin-associated lactic acidosis with circulatory failure: a case report. <i>Journal of Medical Case Reports</i> , 2018, 12, 280.	0.8	9
45	A prospective, phase II trial of monotherapy with low-dose afatinib for patients with EGFR, mutation-positive, non-small cell lung cancer: Thoracic oncology research group 1632. <i>Lung Cancer</i> , 2021, 161, 49-54.	2.0	9
46	Preparation and Application of Si Unit-Fused Diphenylamine-Containing Polymers. <i>Kobunshi Ronbunshu</i> , 2006, 63, 529-538.	0.2	8
47	Anion-dependent selective formation of intermolecular non-covalent bonds. <i>Journal of Molecular Structure</i> , 2007, 829, 168-175.	3.6	8
48	Preparation and Properties of Poly(phenazasiline) with Various Substituents. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 05DA13.	1.5	8
49	Oxidative Polymerization Behavior of Diphenylamine with Bridged Structure. <i>International Journal of Polymer Analysis and Characterization</i> , 2012, 17, 189-198.	1.9	7
50	Fluorescent additive for estimation of compatibility of polyester blend by imipramine-containing polymer. <i>International Journal of Polymer Analysis and Characterization</i> , 2017, 22, 725-733.	1.9	7
51	Pharmaceutical intervention for adverse events improves quality of life in patients with cancer undergoing outpatient chemotherapy. <i>Journal of Pharmaceutical Health Care and Sciences</i> , 2022, 8, 8.	1.0	7
52	Estimation of the Compatibility of Blend Composites of Resins by Measuring the Fluorescent Spectra. <i>Analytical Sciences</i> , 2016, 32, 1251-1256.	1.6	6
53	High-Temperature Reversed-Phase LC Separation of Heavy and Light Chain Fragments of Therapeutic Monoclonal Antibodies and Antibody-Drug Conjugate Produced by Chemical Reduction. <i>Chromatography</i> , 2019, 40, 99-104.	1.7	6
54	Preparation of Dibenzazepine-containing Polymers and Use as Fluorescent Functional Additives for Estimating Plastic Blend. <i>Analytical Sciences</i> , 2020, 36, 17-21.	1.6	6

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55	Evaluation of a Prospective Audit and Feedback Intervention by Pharmacists for Patients Receiving Intravenous Antibiotics. <i>Iryo Yakugaku (Japanese Journal of Pharmaceutical Health Care and Sciences)</i> , 2018, 44, 305-312.	0.1	6
56	Characteristics and Economic Effects of Activities Related to Preventing Duplications and Interactions of Prescription Drugs. <i>Iryo Yakugaku (Japanese Journal of Pharmaceutical Health Care)</i> Tj ETQq0 0 0 rgBT1/Overlook 10 Tf 50	0.1	6
57	Preparation of poly(aryleneethynylene) type π -conjugated polymers constituted of 2-alkylbenzimidazole-4,7-diyl units by using palladium catalyzed cross coupling reaction. <i>Inorganica Chimica Acta</i> , 1999, 296, 254-260.	2.4	5
58	Afatinib administration in a patient with non-small cell lung cancer harboring uncommon EGFR mutation G719A undergoing hemodialysis. <i>Cancer Treatment Communications</i> , 2015, 4, 169-171.	0.4	5
59	Observation of Distribution of Acetylene Unit in Poly(ϵ -caprolactone) Moldings by Micro-Raman Spectroscopy. <i>Journal of the Adhesion Society of Japan</i> , 2015, 51, 192-199.	0.0	5
60	Preparation and Comparison of Chemical Properties of Phenazasiline Monomer, Dimer, Trimer, and Polymer. <i>ChemistrySelect</i> , 2020, 5, 11961-11967.	1.5	5
61	Effects of Cabazitaxel in Renal Cell Carcinoma Cell Lines. <i>Anticancer Research</i> , 2015, 35, 6671-7.	1.1	5
62	An Artifact Derived from a Pseudogene Led to the Discovery of MicroRNA Binding Site Polymorphism in the 3'-Untranslated Region of the Human Dihydrofolate Reductase Gene. <i>Drug Metabolism and Pharmacokinetics</i> , 2012, 27, 263-267.	2.2	4
63	Approaches to Realizing Sheet-Type Scanner with Scanning Light Source. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 05DC21.	1.5	4
64	Chemical Bond Formation of Resin and Fluorescent Additive via Multifunctional Isocyanates. <i>Journal of the Adhesion Society of Japan</i> , 2015, 51, 298-305.	0.0	4
65	Changes in the quality of medicines during storage under LED lighting and consideration of countermeasures. <i>Journal of Pharmaceutical Health Care and Sciences</i> , 2018, 4, 12.	1.0	4
66	Fluorescent Behavior of Dibenzazepine-containing Polymers in Epoxy Resin. <i>Analytical Sciences</i> , 2021, 37, 997-1001.	1.6	4
67	Anorexia, pain and peripheral neuropathy are associated with a decrease in quality of life in patients with advanced pancreatic cancer receiving outpatient chemotherapy – a retrospective observational study. <i>Journal of Pharmaceutical Health Care and Sciences</i> , 2021, 7, 27.	1.0	4
68	Behavioral Analysis and an Awareness Survey of Patients who Select a Family Pharmacist. <i>Iryo Yakugaku (Japanese Journal of Pharmaceutical Health Care and Sciences)</i> , 2018, 44, 395-402.	0.1	3
69	Development of a Lateral Flow Assay for Bevacizumab Using an Anti-Idiotypic DNA Aptamer as a Capture Molecule. <i>Chromatography</i> , 2022, 43, 73-77.	1.7	3
70	Investigation of the Effect of Bridging Unit and Substituent for Electrochemical Properties of Poly(diphenylamine) with Bridged Unit. <i>Journal of the Adhesion Society of Japan</i> , 2013, 49, 98-105.	0.0	2
71	[Ru(bpy) ₂ (bqdiBr ₂)](PF ₆) ₂ bearing a 3,6-dibromo-1,2-benzoquinone diimine ligand (bqdiBr ₂ = Br-C ₆ H ₃) Tj ETQq1 1 0.784314 rgBT1/Overlook 10 Tf 50	2.4	2
72	Time-Dependent Decline in Serum Phenytoin Concentration With Heightened Convulsive Seizure Risk by Prolonged Administration of Fosphenytoin in Japanese: A Retrospective Study. <i>Therapeutic Drug Monitoring</i> , 2018, 40, 507-511.	2.0	2

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73	Optimal dose of sunitinib for long-term treatment in Japanese patients with renal cell carcinoma. <i>Cancer Chemotherapy and Pharmacology</i> , 2019, 84, 987-992.	2.3	2
74	Preparation and Electrochemical Behavior of Quinoxaline-bridged Diphenylamines. <i>ChemistrySelect</i> , 2021, 6, 5441-5445.	1.5	2
75	Development of New Coating Material for Measuring Local Strain by Micro-Raman Spectroscopy. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2010, 59, 462-467.	0.2	2
76	Effect of Addition of Poly(1-phenazasiline) to Plastic Blends for Fluorescent Properties and Impact Strength. <i>Journal of the Japan Society of Colour Material</i> , 2018, 91, 13-16.	0.1	2
77	Study on Selecting the most Suitable Lighting Application for Medicines in a Dispensary of a Medical Institution. <i>Iryo Yakugaku (Japanese Journal of Pharmaceutical Health Care and Sciences)</i> , 2016, 42, 512-517.	0.1	2
78	Prognostic Factors in Patients with Unresectable Pancreatic Cancer Treated with Gemcitabine: A Retrospective Analysis. <i>Iryo Yakugaku (Japanese Journal of Pharmaceutical Health Care and Sciences)</i> , 2014, 40, 734-741.	0.1	2
79	Preparation, Properties and use for Functional Additive of Poly (Dibenzazepine)s. <i>Journal of the Japan Society of Colour Material</i> , 2019, 92, 2-6.	0.1	1
80	Rapid attainment of target trough concentrations of tacrolimus for early improvement of clinical symptoms in patients with ulcerative colitis. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2019, 44, 409-414.	1.5	1
81	Clinical efficacy of osimertinib for a patient with ileus due to peritoneal carcinomatosis. <i>Clinical Case Reports (discontinued)</i> , 2020, 8, 347-350.	0.5	1
82	Albumin-bilirubin score for predicting neuropsychiatric symptoms in patients receiving ifosfamide-based chemotherapy. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2021, 46, 794-799.	1.5	1
83	Injection Molding of PC Front Panel by Reactive Blend Composites Based on Poly (lactic acid). <i>Seikei-Kakou</i> , 2009, 21, 131-136.	0.0	1
84	Problems Related to the Online Distribution of Over-The-Counter Drugs: Provision of Drug Information and Quality Control. <i>Iryo Yakugaku (Japanese Journal of Pharmaceutical Health Care and Sciences)</i> , 2021, 47, 1478-1485.	0.0	1
85	Hydroxyapatite Coating on Metal Substrates Using the Hydroxyapatite Particles Including Alkoxysilyl Group(s). <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2004, 55, 76-82.	0.2	0
86	Improvement of Corrosion Resistance of Stainless Steel Plate with Inorganic-Organic Composite Coating Using the Chemically Modified Metatitanic Acid Particles. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2005, 56, 118-118.	0.2	0
87	Changes in Sensing Properties due to Differences in the Microstructure of CNT Films in μ m-Spatial-Resolution Strain Sensing Using Micro-Raman Spectroscopy. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2021, 70, 678-683.	0.2	0
88	Clinical impact of monitoring frequency per day as a prospective audit and feedback strategy for patients receiving antimicrobial agents by injection. <i>International Journal of Clinical Practice</i> , 2021, 75, e14785.	1.7	0
89	Report of the 5th Annual Meeting of the Tokai-Hokuriku Regions of the JSCPT. <i>Japanese Journal of Clinical Pharmacology and Therapeutics</i> , 2021, 52, 149-152.	0.1	0
90	Synthesis of Acetylene-containing Polyurethanes and Their Strain Sensing Property with Micro-Raman Spectroscopy. <i>Journal of the Adhesion Society of Japan</i> , 2012, 48, 103-108.	0.0	0

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91	Survey of Patients Taking Drugs that Influence Car Driving while Undergoing Cancer Chemotherapy and Approach for Proposal of Drug Selection. Iryo Yakugaku (Japanese Journal of Pharmaceutical) Tj ETQq1 1 0.784314 rgBT (Overlock)	0.1	0
92	Rapid attainment to target trough concentrations of tacrolimus for early improvement of clinical symptoms in patients with ulcerative colitis. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-14-32.	0.0	0
93	Effect of Afatinib plasma levels and pharmacokinetics-related genetic polymorphisms on the degree of side effects in patients with non-small cell lung cancer. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-6-1.	0.0	0
94	Survey of the Efficacy and Safety of Short-term Enoxaparin Sodium Treatment in Patients after Abdominal Surgery. Iryo Yakugaku (Japanese Journal of Pharmaceutical Health Care and Sciences), 2018, 44, 341-348.	0.1	0
95	Longitudinal Survey of Polypharmacy in a Palliative Care Unit. Iryo Yakugaku (Japanese Journal of) Tj ETQq1 1 0.784314 rgBT (Overlock)	0.1	0