

Mitsutoshi Jikei

List of Publications by Year in descending order

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47
papers

1,879
citations

687363

13
h-index

254184

43
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49
all docs

49
docs citations

49
times ranked

1492
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperbranched polymers: a promising new class of materials. <i>Progress in Polymer Science</i> , 2001, 26, 1233-1285.	24.7	865
2	Synthesis of Hyperbranched Aromatic Polyamide from Aromatic Diamines and Trimesic Acid. <i>Macromolecules</i> , 1999, 32, 2061-2064.	4.8	259
3	Synthesis and Properties of Hyperbranched Aromatic Polyamide. <i>Macromolecules</i> , 1999, 32, 2215-2220.	4.8	111
4	Preparation and Properties of Hyperbranched Aromatic Polyimides via Polyamic Acid Methyl Ester Precursors. <i>Macromolecules</i> , 2000, 33, 6937-6944.	4.8	88
5	Synthesis of Hyperbranched Aromatic Polyamides Starting from Dendrons as AB _x Monomers: Effect of Monomer Multiplicity on the Degree of Branching. <i>Macromolecules</i> , 2000, 33, 2832-2838.	4.8	87
6	Successful Thermal Self-Polycondensation of AB ₂ Monomer to Form Hyperbranched Aromatic Polyamide. <i>Macromolecules</i> , 1998, 31, 5964-5966.	4.8	67
7	Synthesis of Hyperbranched Aromatic Polyimides via Polyamic Acid Methyl Ester Precursor. <i>Macromolecules</i> , 2000, 33, 1111-1114.	4.8	64
8	Synthesis of Hyperbranched Poly(lactide)s by Self-Polycondensation of AB ₂ Macromonomers and Their Structural Characterization by Light Scattering Measurements. <i>Macromolecules</i> , 2012, 45, 8237-8244.	4.8	37
9	Synthesis and properties of Poly(L-lactide)-Poly(ϵ -caprolactone) multiblock copolymers by the self-polycondensation of diblock macromonomers. <i>Polymer Journal</i> , 2015, 47, 657-665.	2.7	24
10	Poly(amide-ether) Thermoplastic Elastomers Based on Monodisperse Aromatic Amide Hard Segments as Shape-Memory and Moisture-Responsive Materials. <i>Macromolecules</i> , 2018, 51, 9430-9441.	4.8	23
11	Preferential Precipitation and Selective Separation of Rh(III) from Pd(II) and Pt(IV) Using 4-Alkylanilines as Precipitants. <i>ACS Omega</i> , 2019, 4, 1868-1873.	3.5	23
12	Synthesis and properties of long-chain branched poly(ether sulfone)s by self-polycondensation of AB ₂ type macromonomers. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1825-1831.	2.3	18
13	Synthesis of hyperbranched poly(ether nitrile)s by one-step polycondensation of an AB ₂ monomer. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5835-5844.	2.3	16
14	Nonstoichiometric polycondensation based on Friedel-Crafts acylation in superacids for the syntheses of aromatic polyketones. <i>Polymer Chemistry</i> , 2017, 8, 7297-7300.	3.9	14
15	Synthesis and properties of aromatic polyamide dendrimers with polyhedral oligomeric silsesquioxane cores. <i>Polymer Chemistry</i> , 2015, 6, 4758-4765.	3.9	13
16	Stereocomplex formation of poly(l-lactide)-poly(μ -caprolactone) multiblock copolymers with Poly(d-lactide). <i>Polymer</i> , 2017, 123, 73-80.	3.8	13
17	Electrochemical polymerization of water-soluble and insoluble monomers in supercritical carbon dioxide-in-water emulsion. <i>Polymer</i> , 2007, 48, 2843-2852.	3.8	12
18	Synthesis and properties of poly(ether sulfone)-poly(tetrahydrofuran) multiblock copolymers. <i>High Performance Polymers</i> , 2016, 28, 1015-1023.	1.8	11

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19	Synthesis of poly(ether sulfone)s by self-polycondensation of AB-type monomers. <i>Polymer Journal</i> , 2013, 45, 909-914.	2.7	9
20	Conductivity Enhancement of PEDOT/PSS Films by Solvent Vapor Treatment. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2014, 20, 158-162.	0.1	9
21	Investigation of Dispersibility of Multi-Walled Carbon Nanotubes Using Polysulfones with Various Structures. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2014, 20, 77-81.	0.1	9
22	Synthesis and properties of poly(L-lactide-co-glycolide)-b-Poly(ϵ -caprolactone) multiblock copolymers formed by self-polycondensation of diblock macromonomers. <i>Polymer Journal</i> , 2017, 49, 369-375.	2.7	9
23	Selective Recovery of Platinum(IV) from Palladium(II)-containing Solution using 4-(Hexyloxy)aniline. <i>Chemistry Letters</i> , 2017, 46, 22-24.	1.3	9
24	Selective and Preferential Separation of Rhodium (III) from Palladium (II) and Platinum (IV) Using a m-Phenylene Diamine-Containing Precipitant. <i>Scientific Reports</i> , 2019, 9, 12414.	3.3	9
25	Selective and Mutual Separation of Palladium (II), Platinum (IV), and Rhodium (III) Using Aliphatic Primary Amines. <i>Metals</i> , 2020, 10, 324.	2.3	8
26	Synthesis and properties of hyperbranched poly(ether sulfone)s prepared by self-polycondensation of novel AB ₂ monomer. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3830-3839.	2.3	7
27	Enhanced proliferation of HeLa cells on PLLA-PCL and PLGA-PCL multiblock copolymers. <i>Polymer Journal</i> , 2017, 49, 567-573.	2.7	7
28	Selective Recovery of Platinum (IV) from HCl Solutions Using 2-Ethylhexylamine as a Precipitant. <i>Separations</i> , 2021, 8, 40.	2.4	7
29	Highly Selective Rh(III) Recovery from HCl Solutions Using Aromatic Primary Diamines via Formation of Three-Dimensional Ionic Crystals. <i>ACS Omega</i> , 2019, 4, 14613-14620.	3.5	6
30	Antiplatelet adhesion behavior of hyperbranched poly(lactide)s containing glutamic acid terminal groups. <i>Journal of Applied Polymer Science</i> , 2019, 136, 46910.	2.6	6
31	Synthesis of aromatic polyketones by nonstoichiometric Friedel-Crafts polycondensation using AlCl ₃ . <i>Polymer Chemistry</i> , 2020, 11, 4221-4227.	3.9	6
32	Synthesis and healing properties of poly(arylether sulfone)-poly(alkylthioether) multiblock copolymers containing disulfide bonds. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3545-3553.	2.3	5
33	Solid-phase synthesis of aromatic polyamide dendrons. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1292-1296.	3.2	4
34	Hyperbranched Polyphenylene as an Electrode for Li-ion Batteries. <i>Energy Technology</i> , 2021, 9, 2100374.	3.8	4
35	Synthesis and Antiplatelet Adhesion Behavior of a Poly(L-lactide-co-glycolide)-Poly(1,5-dioxepan-2-one) Multiblock Copolymer. <i>ACS Omega</i> , 2021, 6, 27968-27975.	3.5	4
36	Synthesis and properties of long-chain-branched poly(aryl ether sulfone)-poly(tetrahydrofuran) multiblock copolymers. <i>Polymer Journal</i> , 2020, 52, 179-188.	2.7	3

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37	Synthesis of hyperbranched poly(ether nitrile)s as supporting polymers for palladium nanoparticles. <i>Polymer Journal</i> , 2016, 48, 941-948.	2.7	2
38	Mutual Separation of Palladium (II) and Platinum (IV) from Hydrochloric Acid Solutions Using <i>m</i> -Phenylene Diamine-Containing Agents. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2017, 22, 15-19.	0.1	2
39	Preparation of fluoroalkyl end-capped vinyltrimethoxysilane oligomeric silica/boric acid/poly(N-methyl benzamide)- <i>b</i> -poly(propylene oxide) block copolymer nanocomposites – no weight loss behavior of the block copolymer in the nanocomposites even after calcination at 800°C. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 85, 318-329.	2.4	2
40	Evaluation of crystallinity in carbon fiber-reinforced poly(ether ether ketone) by using infrared low frequency Raman spectroscopy. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51677.	2.6	2
41	Synthesis and healing properties of poly(arylene ether sulfone)- <i>b</i> -poly(alkyl disulfide) multiblock copolymers. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1358-1365.	2.3	1
42	Synthesis and Properties of Hyperbranched Poly(L-lactide)s Having Glutamic Acid Terminals. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2018, 23, 53-58.	0.1	1
43	Synthesis of hyperbranched polyphenylenes using aryl dichloride monomers by Suzuki polycondensation. <i>Polymers for Advanced Technologies</i> , 2020, 31, 1875-1882.	3.2	1
44	Dispersion of Single-Walled Carbon Nanotubes in Ketone Solvents and Effects of Sonication. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2017, 22, 20-24.	0.1	0
45	Preparation and Properties of Dendritic Polyamides as Multivalent-Functionalized Molecules on the Periphery. <i>Journal of the Society of Materials Engineering for Resources of Japan</i> , 2009, 22, 8-12.	0.2	0
46	Rhodium(III) Recovery from HCl Solutions Using 4-Alkylaniline-Impregnated Resins. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2020, 24, 13-17.	0.1	0
47	Synthesis and Properties of Hyperbranched Aromatic Polyimides via Thermal Self-Polycondensation. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2020, 24, 23-28.	0.1	0