Yukiya Kitayama

List of Publications by Year in descending order

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Version: 2024-02-01

79 papers	2,075 citations	218592 26 h-index	276775 41 g-index
80 all docs	80 docs citations	80 times ranked	1956 citing authors

#	Article	IF	Citations
1	Preparation of â€œMushroom-likeâ€•Janus Particles by Site-Selective Surface-Initiated Atom Transfer Radical Polymerization in Aqueous Dispersed Systems. Langmuir, 2010, 26, 7843-7847.	1.6	126
2	Molecularly Imprinted Nanogels Acquire Stealth Inâ€…Situ by Cloaking Themselves with Native Dysopsonic Proteins. Angewandte Chemie - International Edition, 2017, 56, 7088-7092.	7.2	115
3	A Pretreatmentâ€Free, Polymerâ€Based Platform Prepared by Molecular Imprinting and Postâ€Imprinting Modifications for Sensing Intact Exosomes. Angewandte Chemie - International Edition, 2019, 58, 1612-1615.	7.2	87
4	Preparation of Stimuli-Responsive â€œMushroom-Likeâ€•Janus Polymer Particles as Particulate Surfactant by Site-Selective Surface-Initiated AGET ATRP in Aqueous Dispersed Systems. Langmuir, 2014, 30, 7823-7832.	1.6	84
5	A Programmable Signaling Molecular Recognition Nanocavity Prepared by Molecular Imprinting and Postâ€Imprinting Modifications. Angewandte Chemie - International Edition, 2016, 55, 13023-13027.	7.2	79
6	Antibody-Conjugated Signaling Nanocavities Fabricated by Dynamic Molding for Detecting Cancers Using Small Extracellular Vesicle Markers from Tears. Journal of the American Chemical Society, 2020, 142, 6617-6624.	6.6	74
7	Emulsifier-Free, Organotellurium-Mediated Living Radical Emulsion Polymerization of Butyl Acrylate. Macromolecules, 2009, 42, 1979-1984.	2.2	69
8	Localized Surface Plasmon Resonance Nanosensing of C-Reactive Protein with Poly(2-methacryloyloxyethyl phosphorylcholine)-Grafted Gold Nanoparticles Prepared by Surface-Initiated Atom Transfer Radical Polymerization. Analytical Chemistry, 2014, 86, 5587-5594.	3.2	65
9	Conjugatedâ€Protein Mimics with Molecularly Imprinted Reconstructible and Transformable Regions that are Assembled Using Spaceâ€Filling Prosthetic Groups. Angewandte Chemie - International Edition, 2014, 53, 12765-12770.	7.2	62
10	Precisely controlled molecular imprinting of glutathione-s-transferase by orientated template immobilization using specific interaction with an anchored ligand on a gold substrate. Polymer Chemistry, 2014, 5, 4764-4771.	1.9	50
11	Preparation of Micrometer-Sized, Onionlike Multilayered Block Copolymer Particles by Two-Step AGET ATRP in Aqueous Dispersed Systems: Effect of the Second-Step Polymerization Temperature. Langmuir, 2010, 26, 7029-7034.	1.6	49
12	Reversible Chain Transfer Catalyzed Polymerization (RTCP) of Methyl Methacrylate with Nitrogen Catalyst in an Aqueous Microsuspension System. Macromolecules, 2010, 43, 8703-8705.	2.2	46
13	Emulsifier-Free, Organotellurium-Mediated Living Radical Emulsion Polymerization of Styrene: Polymerization Loci. Macromolecules, 2010, 43, 7465-7471.	2.2	46
14	Synthesis of Monodispersed Submillimeter-Sized Molecularly Imprinted Particles Selective for Human Serum Albumin Using Inverse Suspension Polymerization in Water-in-Oil Emulsion Prepared Using Microfluidics. Langmuir, 2015, 31, 4981-4987.	1.6	40
15	Molecularly Imprinted Polymer Arrays as Synthetic Protein Chips Prepared by Transcription-type Molecular Imprinting by Use of Protein-Immobilized Dots as Stamps. Analytical Chemistry, 2015, 87, 11784-11791.	3.2	37
16	Emulsifier-Free, Organotellurium-Mediated Living Radical Emulsion Polymerization of Styrene: Effect of Stirring Rate. Macromolecules, 2011, 44, 263-268.	2.2	36
17	Molecularly imprinted protein recognition thin films constructed by controlled/living radical polymerization. Journal of Bioscience and Bioengineering, 2015, 119, 200-205.	1.1	36
18	A molecularly imprinted nanocavity-based fluorescence polarization assay platform for cortisol sensing. Journal of Materials Chemistry B, 2016, 4, 1770-1777.	2.9	36

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19	Orientationally Fabricated Zwitterionic Molecularly Imprinted Nanocavities for Highly Sensitive Glycoprotein Recognition. Langmuir, 2019, 35, 1320-1326.	1.6	35
20	Preparation of onion-like multilayered particles comprising mainly poly(iso-butyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (methacry	1.8	31
21	Nitroxide-Mediated Radical Polymerization in Microemulsion (Microemulsion NMP) ofn-Butyl Acrylate. Macromolecules, 2011, 44, 5599-5604.	2.2	29
22	Emulsifier-free, organotellurium-mediated living radical emulsion polymerization of Styrene: Initial stage of polymerization. Polymer, 2011, 52, 2729-2734.	1.8	29
23	A plasmonic chip-based bio/chemical hybrid sensing system for the highly sensitive detection of C-reactive protein. Chemical Communications, 2016, 52, 3883-3886.	2.2	29
24	Oriented, molecularly imprinted cavities with dual binding sites for highly sensitive and selective recognition of cortisol. Royal Society Open Science, 2017, 4, 170300.	1.1	29
25	Emulsifierâ€Free, Organotelluriumâ€Mediated Living Radical Emulsion Polymerization of Styrene. Macromolecular Symposia, 2010, 288, 25-32.	0.4	28
26	Molecularly Imprinted Nanogels Capable of Porcine Serum Albumin Detection in Raw Meat Extract for Halal Food Control. Analytical Chemistry, 2020, 92, 6401-6407.	3.2	28
27	Emulsifier-free, organotellurium-mediated living radical emulsion polymerization (emulsion TERP) of methyl methacrylate with dimethyl ditelluride as the catalyst. Polymer Chemistry, 2012, 3, 1555.	1.9	27
28	Regulation of proteinâ€binding activities of molecularly imprinted polymers via postâ€imprinting modifications to exchange functional groups within the imprinted cavity. Journal of Molecular Recognition, 2018, 31, e2633.	1.1	27
29	Gold Nanoparticle-Incorporated Molecularly Imprinted Microgels as Radiation Sensitizers in Pancreatic Cancer. ACS Applied Bio Materials, 2019, 2, 1177-1183.	2.3	27
30	Preparation of poly(nâ€butyl acrylate)â€bâ€polystyrene particles by emulsifierâ€free, organotelluriumâ€mediated living radical emulsion polymerization (emulsion TERP). Journal of Polymer Science Part A, 2012, 50, 1991-1996.	2.5	26
31	Supraparticles comprised of molecularly imprinted nanoparticles and modified gold nanoparticles as a nanosensor platform. RSC Advances, 2013, 3, 25306.	1.7	26
32	Preparation of molecularly imprinted polymers for the recognition of proteins via the generation of peptide-fragment binding sites by semi-covalent imprinting and enzymatic digestion. Analyst, The, 2015, 140, 1448-1452.	1.7	24
33	Gas-stimuli-responsive molecularly imprinted polymer particles with switchable affinity for target protein. Chemical Communications, 2018, 54, 2538-2541.	2.2	24
34	Iodine Transfer Polymerization (ITP with CHI₃) and Reversible Chain Transfer Catalyzed Polymerization (RTCP with Nitrogen Catalyst) of Methyl Methacrylate in Aqueous Microsuspension Systems: Comparison with Bulk System. Macromolecules, 2012, 45, 2286-2291.	2.2	23
35	Postâ€Imprintingâ€Modified Molecularly Imprinted Nanocavities with Two Synergetic, Orthogonal, Glycoproteinâ€Binding Sites to Transduce Binding Events into Fluorescence Changes. ChemNanoMat, 2019, 5, 224-229.	1.5	23
36	Signalling molecular recognition nanocavities with multiple functional groups prepared by molecular imprinting and sequential post-imprinting modifications for prostate cancer biomarker glycoprotein detection. Journal of Materials Chemistry B, 2020, 8, 7987-7993.	2.9	23

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37	Post-Cross-Linked Molecular Imprinting with Functional Polymers as a Universal Building Block for Artificial Polymeric Receptors. Macromolecules, 2017, 50, 7526-7534.	2.2	22
38	Effect of stirring rate on particle formation in emulsifier-free, organotellurium-mediated living radical emulsion polymerization (emulsion TERP) of styrene. Polymer Journal, 2012, 44, 205-210.	1.3	21
39	Synthesis of grafted phosphorylcholine polymer layers as specific recognition ligands for C-reactive protein focused on grafting density and thickness to achieve highly sensitive detection. Physical Chemistry Chemical Physics, 2015, 17, 9951-9958.	1.3	21
40	Post-imprinting and In-Cavity Functionalization. Advances in Biochemical Engineering/Biotechnology, 2015, 150, 95-106.	0.6	20
41	Efficient Pathway for Preparing Hollow Particles: Site-Specific Crosslinking of Spherical Polymer Particles with Photoresponsive Groups That Play a Dual Role in Shell Crosslinking and Core Shielding. Langmuir, 2016, 32, 9245-9253.	1.6	19
42	A synthetic route to ultra-high molecular weight polystyrene (>106) with narrow molecular weight distribution by emulsifier-free, emulsion organotellurium-mediated living radical polymerization (emulsion TERP). Polymer Chemistry, 2016, 7, 2573-2580.	1.9	19
43	Molecularly imprinted polymer particles with gas-stimuli responsive affinity toward target proteins prepared using switchable functional monomer. Polymer, 2020, 203, 122781.	1.8	17
44	Synthesis of CO₂/N₂-Triggered Reversible Stability-Controllable Poly(2-(diethylamino)ethyl methacrylate)-grafted-AuNPs by Surface-Initiated Atom Transfer Radical Polymerization. Langmuir, 2014, 30, 12684-12689.	1.6	16
45	Emulsifier-free, organotellurium-mediated living radical emulsion polymerization (emulsion TERP) of styrene: poly(dimethylaminoethyl methacrylate) macro-TERP agent. Polymer Chemistry, 2014, 5, 2784-2792.	1.9	15
46	Pipette tip biosensors for bacterial double-stranded DNA using bioluminescence induced by zinc finger luciferase. Mikrochimica Acta, 2017, 184, 1595-1601.	2.5	15
47	Photodegradable Polymer Capsules Fabricated via Interfacial Photocross-linking of Spherical Polymer Particles. ACS Applied Polymer Materials, 2020, 2, 3813-3820.	2.0	15
48	Preparation of block copolymer particles by two-step, reversible chain transfer catalyzed polymerization (RTCP) with nitrogen catalyst in miniemulsion systems. Polymer Chemistry, 2012, 3, 1394.	1.9	14
49	Emulsifierâ€free, organotelluriumâ€mediated living radical emulsion polymerization (emulsion TERP): Effect of monomer hydrophilicity. Journal of Polymer Science Part A, 2013, 51, 716-723.	2.5	14
50	Fabrication of Redoxâ€Responsive Degradable Capsule Particles by a Shellâ€Selective Photoinduced Crossâ€Linking Approach from Spherical Polymer Particles. Chemistry - A European Journal, 2017, 23, 12870-12875.	1.7	14
51	Highly Sensitive Fluoro-Immunosensing for Biomarker Detection Using an Automatic Pipette Tip-Type Biosensing System. ACS Omega, 2019, 4, 1487-1493.	1.6	14
52	Fluorescence Reporting of Binding Interactions of Target Molecules with Coreâ€“Shellâ€Type Cortisolâ€Imprinted Polymer Particles Using Environmentally Responsible Fluorescentâ€Labeled Cortisol. Macromolecular Chemistry and Physics, 2015, 216, 1396-1404.	1.1	13
53	Experimental Evidence and Beneficial Use of Confined Space Effect in Nitroxide-Mediated Radical Microemulsion Polymerization (Microemulsion NMP) of n-Butyl Acrylate. Macromolecules, 2012, 45, 7884-7889.	2.2	12
54	In vivo stealthified molecularly imprinted polymer nanogels incorporated with gold nanoparticles for radiation therapy. Journal of Materials Chemistry B, 2022, 10, 6784-6791.	2.9	12

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55	Dispersion Reversible Chain Transfer Catalyzed Polymerization (Dispersion RTCP) of Methyl Methacrylate in Supercritical Carbon Dioxide: Pushing the Limit of Selectivity of Chain Transfer Agent. Macromolecules, 2015, 48, 2473-2479.	2.2	11
56	The interfacial photoreaction: an efficient strategy to create functional polymer particles. Polymer Journal, 2019, 51, 963-974.	1.3	11
57	Cellular Interaction Regulation by Protein Corona Control of Molecularly Imprinted Polymer Nanogels Using Intrinsic Proteins. ACS Applied Polymer Materials, 2020, 2, 1465-1473.	2.0	11
58	Interfacial Photo-Cross-Linking: Simple but Powerful Approach for Fabricating Capsule Polymer Particles with Tunable pH-Responsive Controlled Release Capability. ACS Applied Materials & Interfaces, 2021, 13, 10359-10375.	4.0	11
59	Size-dependent uptake of electrically neutral amphipathic polymeric nanoparticles by cell-sized liposomes and an insight into their internalization mechanism in living cells. Chemical Communications, 2018, 54, 4557-4560.	2.2	10
60	Molecularly Imprinted Nanogels Possessing Dansylamide Interaction Sites for Controlling Protein Corona In Situ by Cloaking Intrinsic Human Serum Albumin. Langmuir, 2020, 36, 10674-10682.	1.6	10
61	pH-Responsive Capsule Polymer Particles Prepared by Interfacial Photo-Cross-Linking: Effect of the Alkyl Chain Length of the pH-Responsive Monomer. ACS Applied Materials & Interfaces, 2021, 13, 34973-34983.	4.0	10
62	pH-Sensitive branched Î²-glucan-modified liposomes for activation of antigen presenting cells and induction of antitumor immunity. Journal of Materials Chemistry B, 2021, 9, 7713-7724.	2.9	10
63	Fc Domain-Imprinted Stealth Nanogels Capable of Orientational Control of Immunoglobulin G Adsorbed In Vivo. ACS Applied Materials & Interfaces, 2022, 14, 16074-16081.	4.0	10
64	Morphology control of shell-crosslinked polymer particles prepared by photo-induced shell-selective crosslinking approach via dispersed state control. Journal of Colloid and Interface Science, 2018, 530, 88-97.	5.0	9
65	Fluorescent Signaling of Molecularly Imprinted Nanogels Prepared via Postimprinting Modifications for Specific Protein Detection. Advanced NanoBiomed Research, 2021, 1, 2000079.	1.7	9
66	Hydrophilic crosslinked-polymeric surface capable of effective suppression of protein adsorption. Applied Surface Science, 2016, 378, 467-472.	3.1	8
67	Regioselective Molecularly Imprinted Reaction Field for [4 + 4] Photocyclodimerization of 2-Anthracenecarboxylic Acid. Langmuir, 2017, 33, 2103-2108.	1.6	7
68	Synthesis of Micrometerâ€Size Poly(Methyl Methacrylate) Particles by Utilizing Microsuspension Iodine Transfer Polymerization (ms ITP): Kinetic Approach. Macromolecular Theory and Simulations, 2018, 27, 1800029.	0.6	5
69	Particle Nucleation in the Initial Stage of Emulsifierâ€Free, Emulsion Organotelluriumâ€Mediated Living Radical Polymerization (Emulsion TERP) of Styrene: Kinetic Approach. Macromolecular Theory and Simulations, 2017, 26, 1600046.	0.6	4
70	Interfacial photocrosslinking of polymer particles possessing nucleobase photoreactive groups for hollow/capsule polymer fabrication. Polymer Chemistry, 2022, 13, 748-758.	1.9	4
71	Molecularly Imprinted Polymers for Catechin Recognition Prepared Using Dummy-Template Molecules. Chromatography, 2014, 35, 139-145.	0.8	3
72	Amphiphilic Polymerizable Porphyrins Conjugated to a Polyglycerol Dendron Moiety as Functional Surfactants for Multifunctional Polymer Particles. Langmuir, 2015, 31, 12903-12910.	1.6	3

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73	Synthesis of Block Copolymer Particles by One-Pot, Two-Step Dispersion Reversible Chain Transfer Catalyzed Polymerization (Dispersion RTCP) in Supercritical Carbon Dioxide. Industrial & Engineering Chemistry Research, 2019, 58, 21165-21170.	1.8	3
74	Partitioning effect of nitrogen catalyst into polymerizing particles on dispersion reversible chain transfer catalyzed polymerization (dispersion RTCP) of methyl methacrylate in supercritical carbon dioxide and organic solvents. Journal of Polymer Science Part A, 2019, 57, 613-620.	2.5	3
75	Biocompatible polymer-modified gold nanocomposites of different shapes as radiation sensitizers. Biomaterials Science, 2022, 10, 2665-2672.	2.6	2
76	Systematic study on fabrication of hollow poly(vinyl cinnamate) particles by particulate interfacial photocrosslinking. Aggregate, 2022, 3, .	5.2	2
77	Carboxy-functionalized pH responsive capsule polymer particles fabricated by particulate interfacial photocrosslinking. Journal of Materials Chemistry B, 2022, 10, 7570-7580.	2.9	1
78	Transcription-Type Protein Imprinted Polymers for SPR Sensing Prepared Using Target-immobilized Stamps based on Submicrometer-Sized Particles via Biotin-Avidin Linkage. Molecular Imprinting, 2015, 3, .	1.8	0
79	Oriented Immobilization-based Molecular Imprinting for Constructing Nanocavities Capable of Precise Molecular Recognition. Bunseki Kagaku, 2019, 68, 89-101.	0.1	0