Yukiya Kitayama

List of Publications by Citations

73 papers	1,597 citations	24 h-index	36 g-index
80 ext. papers	1,873 ext. citations	5.6 avg, IF	5.1 L-index

#	Paper	IF	Citations
73	Preparation of "mushroom-like" Janus particles by site-selective surface-initiated atom transfer radical polymerization in aqueous dispersed systems. *Langmuir*, **2010**, 26, 7843-7	4	109
72	Molecularly Imprinted Nanogels Acquire Stealth In Situ by Cloaking Themselves with Native Dysopsonic Proteins. *Angewandte Chemie - International Edition*, **2017**, 56, 7088-7092	16.4	89
71	Preparation of stimuli-responsive "mushroom-like" janus polymer particles as particulate surfactant by site-selective surface-initiated AGET ATRP in aqueous dispersed systems. *Langmuir*, **2014**, 30, 7823-32	4	71
70	A Programmable Signaling Molecular Recognition Nanocavity Prepared by Molecular Imprinting and Post-Imprinting Modifications. *Angewandte Chemie - International Edition*, **2016**, 55, 13023-13027	16.4	64
69	Emulsifier-Free, Organotellurium-Mediated Living Radical Emulsion Polymerization of Butyl Acrylate. *Macromolecules*, **2009**, 42, 1979-1984	5.5	63
68	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, 5587-94	7.8	60
67	A Pretreatment-Free, Polymer-Based Platform Prepared by Molecular Imprinting and Post-Imprinting Modifications for Sensing Intact Exosomes. *Angewandte Chemie - International Edition*, **2019**, 58, 1612-1615	16.4	56
66	Conjugated-protein mimics with molecularly imprinted reconstructible and transformable regions that are assembled using space-filling prosthetic groups. *Angewandte Chemie - International Edition*, **2014**, 53, 12765-70	16.4	54
65	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, 7029-34	4	47
64	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	4.9	46
63	Reversible Chain Transfer Catalyzed Polymerization (RTCP) of Methyl Methacrylate with Nitrogen Catalyst in an Aqueous Microsuspension System. *Macromolecules*, **2010**, 43, 8703-8705	5.5	41
62	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	16.4	37
61	Emulsifier-Free, Organotellurium-Mediated Living Radical Emulsion Polymerization of Styrene: Polymerization Loci. *Macromolecules*, **2010**, 43, 7465-7471	5.5	36
60	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, 11784-91	7.8	34
59	Emulsifier-Free, Organotellurium-Mediated Living Radical Emulsion Polymerization of Styrene: Effect of Stirring Rate. *Macromolecules*, **2011**, 44, 263-268	5.5	32
58	Molecularly imprinted protein recognition thin films constructed by controlled/living radical polymerization. *Journal of Bioscience and Bioengineering*, **2015**, 119, 200-5	3.3	30
57	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, 4981-7	4	29

56	A molecularly imprinted nanocavity-based fluorescence polarization assay platform for cortisol sensing. *Journal of Materials Chemistry B*, **2016**, 4, 1770-1777	7.3	27
55	Preparation of onion-like multilayered particles comprising mainly poly(iso-butyl methacrylate)-block-polystyrene by two-step AGET ATRP. *Polymer*, **2009**, 50, 3182-3187	3.9	27
54	Emulsifier-Free, Organotellurium-Mediated Living Radical Emulsion Polymerization of Styrene. *Macromolecular Symposia*, **2010**, 288, 25-32	0.8	27
53	A plasmonic chip-based bio/chemical hybrid sensing system for the highly sensitive detection of C-reactive protein. *Chemical Communications*, **2016**, 52, 3883-6	5.8	26
52	Preparation of poly(n-butyl acrylate)-b-polystyrene particles by emulsifier-free, organotellurium-mediated living radical emulsion polymerization (emulsion TERP). *Journal of Polymer Science Part A*, **2012**, 50, 1991-1996	2.5	25
51	Nitroxide-Mediated Radical Polymerization in Microemulsion (Microemulsion NMP) of n-Butyl Acrylate. *Macromolecules*, **2011**, 44, 5599-5604	5.5	25
50	Emulsifier-free, organotellurium-mediated living radical emulsion polymerization of Styrene: Initial stage of polymerization. *Polymer*, **2011**, 52, 2729-2734	3.9	25
49	Orientationally Fabricated Zwitterionic Molecularly Imprinted Nanocavities for Highly Sensitive Glycoprotein Recognition. *Langmuir*, **2019**, 35, 1320-1326	4	24
48	Emulsifier-free, organotellurium-mediated living radical emulsion polymerization (emulsion TERP) of methyl methacrylate with dimethyl ditelluride as the catalyst. *Polymer Chemistry*, **2012**, 3, 1555	4.9	24
47	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, 1448-52	5	23
46	Supraparticles comprised of molecularly imprinted nanoparticles and modified gold nanoparticles as a nanosensor platform. *RSC Advances*, **2013**, 3, 25306	3.7	23
45	Regulation of protein-binding activities of molecularly imprinted polymers via post-imprinting modifications to exchange functional groups within the imprinted cavity. *Journal of Molecular Recognition*, **2018**, 31, e2633	2.6	21
44	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	5.5	20
43	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, 9951-8	3.6	19
42	Gas-stimuli-responsive molecularly imprinted polymer particles with switchable affinity for target protein. *Chemical Communications*, **2018**, 54, 2538-2541	5.8	19
41	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	2.7	18
40	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	4.9	17
39	Molecularly Imprinted Nanogels Capable of Porcine Serum Albumin Detection in Raw Meat Extract for Halal Food Control. *Analytical Chemistry*, **2020**, 92, 6401-6407	7.8	17

38	Oriented, molecularly imprinted cavities with dual binding sites for highly sensitive and selective recognition of cortisol. *Royal Society Open Science*, **2017**, 4, 170300	3.3	16
37	Post-Cross-Linked Molecular Imprinting with Functional Polymers as a Universal Building Block for Artificial Polymeric Receptors. *Macromolecules*, **2017**, 50, 7526-7534	5.5	15
36	Post-imprinting and In-Cavity Functionalization. *Advances in Biochemical Engineering/Biotechnology*, **2015**, 150, 95-106	1.7	15
35	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	4.9	14
34	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, 9245-53	4	14
33	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, 12684-9	4	13
32	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	7.3	13
31	Gold Nanoparticle-Incorporated Molecularly Imprinted Microgels as Radiation Sensitizers in Pancreatic Cancer.. *ACS Applied Bio Materials*, **2019**, 2, 1177-1183	4.1	13
30	Emulsifier-free, organotellurium-mediated living radical emulsion polymerization (emulsion TERP) of styrene: poly(dimethylaminoethyl methacrylate) macro-TERP agent. *Polymer Chemistry*, **2014**, 5, 2784-2792	4.9	12
29	Emulsifier-free, organotellurium-mediated living radical emulsion polymerization (emulsion TERP): Effect of monomer hydrophilicity. *Journal of Polymer Science Part A*, **2013**, 51, 716-723	2.5	12
28	Fluorescence Reporting of Binding Interactions of Target Molecules with Core–Shell-Type Cortisol-Imprinted Polymer Particles Using Environmentally Responsible Fluorescent-Labeled Cortisol. *Macromolecular Chemistry and Physics*, **2015**, 216, 1396-1404	2.6	12
27	Post-Imprinting-Modified Molecularly Imprinted Nanocavities with Two Synergetic, Orthogonal, Glycoprotein-Binding Sites to Transduce Binding Events into Fluorescence Changes. *ChemNanoMat*, **2019**, 5, 224-229	3.5	12
26	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	5.5	11
25	Pipette tip biosensors for bacterial double-stranded DNA using bioluminescence induced by zinc finger luciferase. *Mikrochimica Acta*, **2017**, 184, 1595-1601	5.8	10
24	Fabrication of Redox-Responsive Degradable Capsule Particles by a Shell-Selective Photoinduced Cross-Linking Approach from Spherical Polymer Particles. *Chemistry - A European Journal*, **2017**, 23, 12870-12875	4.8	10
23	Highly Sensitive Fluoro-Immunosensing for Biomarker Detection Using an Automatic Pipette Tip-Type Biosensing System. *ACS Omega*, **2019**, 4, 1487-1493	3.9	9
22	Molecularly imprinted polymer particles with gas-stimuli responsive affinity toward target proteins prepared using switchable functional monomer. *Polymer*, **2020**, 203, 122781	3.9	9
21	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	5.5	8

20	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	5.8	8
19	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	9.3	8
18	Hydrophilic crosslinked-polymeric surface capable of effective suppression of protein adsorption. *Applied Surface Science*, **2016**, 378, 467-472	6.7	7
17	The interfacial photoreaction: an efficient strategy to create functional polymer particles. *Polymer Journal*, **2019**, 51, 963-974	2.7	6
16	Cellular Interaction Regulation by Protein Corona Control of Molecularly Imprinted Polymer Nanogels Using Intrinsic Proteins. *ACS Applied Polymer Materials*, **2020**, 2, 1465-1473	4.3	5
15	Regioselective Molecularly Imprinted Reaction Field for [4 + 4] Photocyclodimerization of 2-Anthracenecarboxylic Acid. *Langmuir*, **2017**, 33, 2103-2108	4	4
14	Photodegradable Polymer Capsules Fabricated via Interfacial Photocross-linking of Spherical Polymer Particles. *ACS Applied Polymer Materials*, **2020**, 2, 3813-3820	4.3	4
13	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	9.5	4
12	Amphiphilic Polymerizable Porphyrins Conjugated to a Polyglycerol Dendron Moiety as Functional Surfactants for Multifunctional Polymer Particles. *Langmuir*, **2015**, 31, 12903-10	4	3
11	Synthesis of Micrometer-Size Poly(Methyl Methacrylate) Particles by Utilizing Microsuspension Iodine Transfer Polymerization (ms ITP): Kinetic Approach. *Macromolecular Theory and Simulations*, **2018**, 27, 1800029	1.5	3
10	Molecularly Imprinted Polymers for Catechin Recognition Prepared Using Dummy-Template Molecules. *Chromatography*, **2014**, 35, 139-145	1.2	3
9	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
8	Fluorescent Signaling of Molecularly Imprinted Nanogels Prepared via Postimprinting Modifications for Specific Protein Detection. *Advanced NanoBiomed Research*, **2021**, 1, 2000079	0	3
7	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	3.9	2
6	Particle Nucleation in the Initial Stage of Emulsifier-Free, Emulsion Organotellurium-Mediated Living Radical Polymerization (Emulsion TERP) of Styrene: Kinetic Approach. *Macromolecular Theory and Simulations*, **2017**, 26, 1600046	1.5	2
5	Molecularly Imprinted Nanogels Possessing Dansylamide Interaction Sites for Controlling Protein Corona In Situ by Cloaking Intrinsic Human Serum Albumin. *Langmuir*, **2020**, 36, 10674-10682	4	2
4	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	9.5	2
3	pH-Sensitive branched □glucan-modified liposomes for activation of antigen presenting cells and induction of antitumor immunity. *Journal of Materials Chemistry B*, **2021**, 9, 7713-7724	7.3	2

2	Interfacial photocrosslinking of polymer particles possessing nucleobase photoreactive groups for hollow/capsule polymer fabrication. *Polymer Chemistry*, **2022**, 13, 748-758	4.9	0
1	Oriented Immobilization-based Molecular Imprinting for Constructing Nanocavities Capable of Precise Molecular Recognition. *Bunseki Kagaku*, **2019**, 68, 89-101	0.2	