Hideko Kanazawa

List of Publications by Year
in descending order

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186 papers	6,262 citations	61984 43 h-index	85541 71 g-index
191 all docs	191 docs citations	191 times ranked	4514 citing authors

#	Article	IF	Citations
1	Temperature-Responsive Chromatography Using Poly(N-isopropylacrylamide)-Modified Silica. Analytical Chemistry, 1996, 68, 100-105.	6.5	414
2	Poly(N-isopropylacrylamide)-based thermoresponsive surfaces provide new types of biomedical applications. Biomaterials, 2018, 153, 27-48.	11.4	297
3	Preparation of thermoresponsive polymer brush surfaces and their interaction with cells. Biomaterials, 2008, 29, 2073-2081.	11.4	276
4	Temperature-Responsive Liquid Chromatography. 2. Effects of Hydrophobic Groups inN-Isopropylacrylamide Copolymer-Modified Silica. Analytical Chemistry, 1997, 69, 823-830.	6.5	233
5	Effects of Graft Densities and Chain Lengths on Separation of Bioactive Compounds by Nanolayered Thermoresponsive Polymer Brush Surfaces. Langmuir, 2008, 24, 511-517.	3.5	160
6	Temperature-Responsive Chromatographic Separation of Amino Acid Phenylthiohydantoins Using Aqueous Media as the Mobile Phase. Analytical Chemistry, 2000, 72, 5961-5966.	6.5	146
7	Interfacial Property Modulation of Thermoresponsive Polymer Brush Surfaces and Their Interaction with Biomolecules. Langmuir, 2007, 23, 9409-9415.	3.5	143
8	Preparation of Thermoresponsive Cationic Copolymer Brush Surfaces and Application of the Surface to Separation of Biomolecules. Biomacromolecules, 2008, 9, 1340-1347.	5.4	119
9	Electron-transfer mechanism in radical-scavenging reactions by a vitamin E model in a protic medium. Organic and Biomolecular Chemistry, 2005, 3, 626.	2.8	104
10	Pharmacokinetics of fentanyl after single intravenous injection and constant rate infusion in dogs. Veterinary Anaesthesia and Analgesia, 2006, 33, 266-273.	0.6	89
11	Analysis of peptides and proteins by temperature-responsive chromatographic system using N-isopropylacrylamide polymer-modified columns. Journal of Pharmaceutical and Biomedical Analysis, 1997, 15, 1545-1550.	2.8	83
12	Temperature-Responsive Chromatography Using Poly-(N-isopropylacrylamide) Hydrogel-Modified Silica.. Analytical Sciences, 2002, 18, 45-48.	1.6	80
13	Determination and quantitation of sulfonylurea and urea herbicides in water samples using liquid chromatography with electrospray ionization mass spectrometric detection. Analytica Chimica Acta, 2004, 507, 211-218.	5.4	79
14	Thermo-responsive polymer brush-grafted porous polystyrene beads for all-aqueous chromatography. Journal of Chromatography A, 2010, 1217, 522-529.	3.7	79
15	Temperature-responsive chromatography for the separation of biomolecules. Journal of Chromatography A, 2011, 1218, 8738-8747.	3.7	79
16	Thermally-modulated on/off-adsorption materials for pharmaceutical protein purification. Biomaterials, 2011, 32, 619-627.	11.4	78
17	Temperature-Responsive Fluorescence Polymer Probes with Accurate Thermally Controlled Cellular Uptakes. ACS Macro Letters, 2014, 3, 281-285.	4.8	76
18	Poly (N-isopropylacrylamide)â€“PLA and PLA blend nanoparticles for temperature-controllable drug release and intracellular uptake. Colloids and Surfaces B: Biointerfaces, 2012, 99, 67-73.	5.0	74

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19	Temperature- and pH-responsive aminopropyl-silica ion-exchange columns grafted with copolymers of N-isopropylacrylamide. Journal of Chromatography A, 2004, 1030, 247-253.	3.7	71
20	Aqueous chromatography system using temperature-responsive polymer-modified stationary phases. Journal of Separation Science, 2006, 29, 738-749.	2.5	65
21	Influence of Graft Interface Polarity on Hydration/Dehydration of Grafted Thermoresponsive Polymer Brushes and Steroid Separation Using All-Aqueous Chromatography. Langmuir, 2008, 24, 10981-10987.	3.5	62
22	Thermoresponsive Poly(Nâ€isopropylacrylamide)â€Based Block Copolymer Coating for Optimizing Cell Sheet Fabrication. Macromolecular Bioscience, 2012, 12, 751-760.	4.1	62
23	Temperature-responsive chromatography. TrAC - Trends in Analytical Chemistry, 1998, 17, 435-440.	11.4	61
24	Thermally responsive chromatographic materials using functional polymers. Journal of Separation Science, 2007, 30, 1646-1656.	2.5	61
25	Thermoresponsive Polymer Brush Surfaces with Hydrophobic Groups for All-Aqueous Chromatography. ACS Applied Materials & Interfaces, 2010, 2, 1247-1253.	8.0	61
26	High Stability of Thermoresponsive Polymer-Brush-Grafted Silica Beads as Chromatography Matrices. ACS Applied Materials & Interfaces, 2012, 4, 1998-2008.	8.0	61
27	Determination of theophylline and its metabolites in biological samples by liquid chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2000, 870, 87-96.	3.7	60
28	Aqueous chromatographic system for separation of biomolecules using thermoresponsive polymer modified stationary phase. Journal of Chromatography A, 2008, 1191, 157-161.	3.7	58
29	Poly(N-isopropylacrylamide) based thermoresponsive polymer brushes for bioseparation, cellular tissue fabrication, and nano actuators. Nano Structures Nano Objects, 2018, 16, 9-23.	3.5	56
30	Aqueous chromatography system using pH- and temperature-responsive stationary phase with ion-exchange groups. Journal of Chromatography A, 2006, 1119, 58-65.	3.7	55
31	Stereospecific analysis of omeprazole in human plasma as a probe for CYP2C19 phenotype. Journal of Pharmaceutical and Biomedical Analysis, 2003, 30, 1817-1824.	2.8	54
32	Thermoresponsive Polymer Brush on Monolithic-Silica-Rod for the High-Speed Separation of Bioactive Compounds. Langmuir, 2011, 27, 10830-10839.	3.5	51
33	Determination of omeprazole and its metabolites in human plasma by liquid chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2002, 949, 1-9.	3.7	50
34	Study of temperature-responsibility on the surfaces of a thermo-responsive polymer modified stationary phase. Journal of Chromatography A, 2006, 1119, 51-57.	3.7	50
35	The effects of anionic electrolytes and human serum albumin on the LCST of poly(N) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 1 Biointerfaces, 2015, 132, 299-304.	5.0	49
36	Temperature-responsive stationary phase utilizing a polymer of proline derivative for hydrophobic interaction chromatography using an aqueous mobile phase. Journal of Chromatography A, 2006, 1106, 152-158.	3.7	48

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37	Simultaneous determination of catecholamines, their basic metabolites and serotonin in urine by high-performance liquid chromatography using A mixed-mode column and an eight-channel electrochemical detector. Biomedical Chromatography, 1995, 9, 221-225.	1.7	47
38	Thermo-responsive protein adsorbing materials for purifying pharmaceuticalprotein on exposed charging surface. Journal of Materials Chemistry, 2011, 21, 2590-2593.	6.7	47
39	Design of Environmentally Responsive Fluorescent Polymer Probes for Cellular Imaging. Biomacromolecules, 2015, 16, 2356-2362.	5.4	47
40	Phenotypic traits of mesenchymal stem cell sheets fabricated by temperature-responsive cell culture plate: structural characteristics of MSC sheets. Stem Cell Research and Therapy, 2019, 10, 353.	5.5	47
41	Determination of sedatives and anesthetics in plasma by liquid chromatographyâ€“mass spectrometry with a desalting system. Journal of Chromatography A, 1998, 797, 227-236.	3.7	46
42	Monolithic Silica Rods Grafted with Thermoresponsive Anionic Polymer Brushes for High-Speed Separation of Basic Biomolecules and Peptides. Biomacromolecules, 2014, 15, 1204-1215.	5.4	46
43	Polymeric nanoparticles encapsulating betamethasone phosphate with different release profiles and stealthiness. International Journal of Pharmaceutics, 2009, 375, 148-154.	5.2	45
44	Local Release of VEGF Using Fiber Mats Enables Effective Transplantation of Layered Cardiomyocyte Sheets. Macromolecular Bioscience, 2017, 17, 1700073.	4.1	45
45	Preparation of thermo-responsive polymer brushes on hydrophilic polymeric beads by surface-initiated atom transfer radical polymerization for a highly resolutive separation of peptides. Journal of Chromatography A, 2010, 1217, 5978-5985.	3.7	44
46	Effect of Polymer Phase Transition Behavior on Temperature-Responsive Polymer-Modified Liposomes for siRNA Transfection. International Journal of Molecular Sciences, 2019, 20, 430.	4.1	43
47	Effect of reaction solvent on the preparation of thermo-responsive stationary phase through a surface initiated atom transfer radical polymerization. Journal of Chromatography A, 2011, 1218, 8617-8628.	3.7	42
48	Thermally Modulated Cationic Copolymer Brush on Monolithic Silica Rods for High-Speed Separation of Acidic Biomolecules. ACS Applied Materials & Interfaces, 2013, 5, 1442-1452.	8.0	42
49	Thermoresponsive Copolymer Brushes Possessing Quaternary Amine Groups for Strong Anion-Exchange Chromatographic Matrices. Biomacromolecules, 2014, 15, 1031-1043.	5.4	42
50	Thermoresponsive hydrophobic copolymer brushes modified porous monolithic silica for high-resolution bioseparation. RSC Advances, 2015, 5, 66155-66167.	3.6	42
51	Preparation of Thermoresponsive Anionic Copolymer Brush Surfaces for Separating Basic Biomolecules. Biomacromolecules, 2010, 11, 215-223.	5.4	41
52	Thermoresponsive Anionic Copolymer Brushes Containing Strong Acid Moieties for Effective Separation of Basic Biomolecules and Proteins. Biomacromolecules, 2014, 15, 3846-3858.	5.4	40
53	Tunable Surface Properties of Temperature-Responsive Polymer-Modified Liposomes Induce Faster Cellular Uptake. ACS Omega, 2017, 2, 316-325.	3.5	40
54	Protein purification using solid-phase extraction on temperature-responsive hydrogel-modified silica beads. Journal of Chromatography A, 2018, 1568, 38-48.	3.7	40

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55	Separation of Nucleotides with an Aqueous Mobile Phase Using pH- and Temperature-Responsive Polymer Modified Packing Materials. Analytical Sciences, 2006, 22, 539-543.	1.6	39
56	Effective separation of peptides using highly dense thermo-responsive polymer brush-grafted porous polystyrene beads. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 2191-2198.	2.3	39
57	Protein separations via thermally responsive ionic block copolymer brush layers. RSC Advances, 2016, 6, 26254-26263.	3.6	38
58	Acidic Catecholamine Metabolites and 5-Hydroxyindoleacetic Acid in Urine: The Influence of Diet. Annals of Clinical Biochemistry, 1996, 33, 43-49.	1.6	37
59	Enhanced cellular uptake and gene silencing activity of siRNA using temperature-responsive polymer-modified liposome. International Journal of Pharmaceutics, 2017, 523, 217-228.	5.2	37
60	Stereospecific analysis of lorazepam in plasma by chiral column chromatography with a circular dichroism-based detector. Journal of Chromatography A, 2000, 871, 181-188.	3.7	36
61	pH/temperature-responsive fluorescence polymer probe with pH-controlled cellular uptake. Sensors and Actuators B: Chemical, 2015, 207, 724-731.	7.8	34
62	Separation of phosphorylated peptides utilizing dual pH- and temperature-responsive chromatography. Journal of Chromatography A, 2011, 1218, 2079-2084.	3.7	33
63	Temperature-responsive polymers for liquid-phase separations. Analytical and Bioanalytical Chemistry, 2004, 378, 46-48.	3.7	32
64	Determination of midazolam and its metabolite as a probe for cytochrome P450 3A4 phenotype by liquid chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2004, 1031, 213-218.	3.7	32
65	LAT1-Targeting Thermoresponsive Fluorescent Polymer Probes for Cancer Cell Imaging. International Journal of Molecular Sciences, 2018, 19, 1646.	4.1	32
66	Liposomes with temperature-responsive reversible surface properties. Colloids and Surfaces B: Biointerfaces, 2019, 176, 309-316.	5.0	32
67	Thermoresponsive anionic copolymer brush-grafted surfaces for cell separation. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110565.	5.0	32
68	Thermoresponsive Cationic Block Copolymer Brushes for Temperatureâ€Modulated Stem Cell Separation. Macromolecular Rapid Communications, 2020, 41, e2000308.	3.9	32
69	Simultaneous determination of ginsenosides and saikosaponins by high-performance liquid chromatography. Journal of Chromatography A, 1990, 507, 327-332.	3.7	31
70	Analysis of herbicides in water using temperature-responsive chromatography and an aqueous mobile phase. Journal of Chromatography A, 2005, 1069, 281-285.	3.7	31
71	Temperature-responsive molecular recognition chromatography using phenylalanine and tryptophan derived polymer modified silica beads. Analyst, The, 2016, 141, 910-917.	3.5	31
72	Characteristic differences of cell sheets composed of mesenchymal stem cells with different tissue origins. Regenerative Therapy, 2019, 11, 34-40.	3.0	31

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73	LAT1-Targeting Thermoresponsive Liposomes for Effective Cellular Uptake by Cancer Cells. ACS Omega, 2019, 4, 6443-6451.	3.5	31
74	Temperature-responsive chromatography for bioseparations: A review. Analytica Chimica Acta, 2020, 1138, 191-212.	5.4	31
75	Antibody drug separation using thermoresponsive anionic polymer brush modified beads with optimised electrostatic and hydrophobic interactions. Scientific Reports, 2020, 10, 11896.	3.3	29
76	Enantiomeric determination ofL- andD-lactic acid in human cerebrospinal fluid by chiral ligand exchange high-performance liquid chromatography. Biomedical Chromatography, 2000, 14, 474-477.	1.7	28
77	Aqueous chromatographic system for the quantification of propofol in biological fluids using a temperature-responsive polymer modified stationary phase. Journal of Chromatography A, 2009, 1216, 7427-7432.	3.7	28
78	A developed determination of midazolam and 1â€²-hydroxymidazolam in plasma by liquid chromatographyâ€“mass spectrometry: Application of human pharmacokinetic study for measurement of CYP3A activity. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 847, 275-281.	2.3	27
79	Liquid chromatography-mass spectrometry for the determination of medetomidine and other anaesthetics in plasma. Journal of Chromatography A, 1993, 631, 215-220.	3.7	26
80	High-performance liquid chromatographic determination of catecholamine metabolites and 5-hydroxyindoleacetic acid in human urine using a mixed-mode column and an eight-channel electrode electrochemical detector. Biomedical Applications, 1994, 658, 63-68.	1.7	26
81	Intracellular delivery of siRNA by cell-penetrating peptides modified with cationic oligopeptides. Drug Delivery, 2009, 16, 153-159.	5.7	26
82	pH-induced phase transition control of thermoresponsive nano-micelles possessing outermost surface sulfonamide moieties. Colloids and Surfaces B: Biointerfaces, 2012, 99, 12-19.	5.0	26
83	Dual temperature- and pH-responsive polymeric micelle for selective and efficient two-step doxorubicin delivery. RSC Advances, 2017, 7, 29540-29549.	3.6	26
84	Mixed polymer brush as a functional ligand of silica beads for temperature-modulated hydrophobic and electrostatic interactions. Analytica Chimica Acta, 2020, 1095, 1-13.	5.4	26
85	Determination of medetomidine, atipamezole and midazolam in pig plasma by liquid chromatography-mass spectrometry. Biomedical Chromatography, 1995, 9, 188-191.	1.7	25
86	Determination of peptides by high-performance liquid chromatography with laser-induced fluorescence detection. Journal of Chromatography A, 1997, 763, 23-29.	3.7	25
87	Analysis of melatonin using a pH- and temperature-responsive aqueous chromatography system. Journal of Chromatography A, 2007, 1156, 213-219.	3.7	25
88	Temperature-modulated cell-separation column using temperature-responsive cationic copolymer hydrogel-modified silica beads. Colloids and Surfaces B: Biointerfaces, 2019, 178, 253-262.	5.0	24
89	Selective capture and non-invasive release of cells using a thermoresponsive polymer brush with affinity peptides. Biomaterials Science, 2021, 9, 663-674.	5.4	23
90	Stereospecific analysis of loxoprofen in plasma by chiral column liquid chromatography with a circular dichroism-based detector. Journal of Chromatography A, 2002, 948, 303-308.	3.7	22

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91	Reversible conformational changes in the parallel type G-quadruplex structure inside a thermoresponsive hydrogel. Chemical Communications, 2017, 53, 3142-3144.	4.1	22
92	The Mechanism of Melanocytes-Specific Cytotoxicity Induced by Phenol Compounds Having a Prooxidant Effect, relating to the Appearance of Leukoderma. BioMed Research International, 2015, 2015, 1-12.	1.9	21
93	Mesenchylmal Stem Cell Culture on Poly(N-isopropylacrylamide) Hydrogel with Repeated Thermo-Stimulation. International Journal of Molecular Sciences, 2018, 19, 1253.	4.1	21
94	Temperature-responsive Solid-phase Extraction Column for Biological Sample Pretreatment. Analytical Sciences, 2015, 31, 881-886.	1.6	20
95	Thermoresponsive anionic block copolymer brushes with a strongly anionic bottom segment for effective interactions with biomolecules. RSC Advances, 2016, 6, 93169-93179.	3.6	20
96	Dual Temperature- and pH-Responsive Fluorescence Molecular Probe for Cellular Imaging Utilizing a PNIPAAm-Fluorescein Copolymer. Analytical Sciences, 2009, 25, 1043-1047.	1.6	19
97	Effect of polymer containing a naphthyl-alanine derivative on the separation selectivity for aromatic compounds in temperature-responsive chromatography. Journal of Chromatography A, 2012, 1228, 148-154.	3.7	19
98	Evaluation of the predictive performance of a pharmacokinetic model for propofol in Japanese macaques (Macaca fuscata fuscata). Journal of Veterinary Pharmacology and Therapeutics, 2013, 36, 169-173.	1.3	19
99	Temperature-responsive Smart Packing Materials Utilizing Multi-functional Polymers. Analytical Sciences, 2014, 30, 167-173.	1.6	19
100	Effects of terminal group and chain length on temperature-responsive chromatography utilizing poly(N-isopropylacrylamide) synthesized via RAFT polymerization. RSC Advances, 2015, 5, 73217-73224.	3.6	19
101	Approaching over 10Â000â€fold sensitivity increase in chiral capillary electrophoresis: Cationâ€selective exhaustive injection and sweeping cyclodextrinâ€modified micellar electrokinetic chromatography. Electrophoresis, 2016, 37, 2970-2976.	2.4	19
102	Temperature-responsive mixed-mode column containing temperature-responsive polymer-modified beads and anionic polymer-modified beads. Analytica Chimica Acta, 2019, 1079, 220-229.	5.4	19
103	Determination of .ALPHA.-Tocopherol and .ALPHA.-Tocopherylquinone in Rat Tissues and Plasma by High-Performance Liquid Chromatography with Electrochemical Detection.. Chemical and Pharmaceutical Bulletin, 2000, 48, 1462-1466.	1.3	18
104	Thermally-modulated cell separation columns using a thermoresponsive block copolymer brush as a packing material for the purification of mesenchymal stem cells. Biomaterials Science, 2021, 9, 7054-7064.	5.4	18
105	Determination of acidic saponins in crude drugs by high- performance liquid chromatography on octadecylsilyl porous glass. Journal of Chromatography A, 1993, 630, 408-414.	3.7	17
106	Efficient entrapment of poorly water-soluble pharmaceuticals in hybrid nanoparticles. Journal of Pharmaceutical Sciences, 2009, 98, 2357-2363.	3.3	17
107	Induction of different reactive oxygen species in the skin during various laser therapies and their inhibition by fullerene. Lasers in Surgery and Medicine, 2012, 44, 685-694.	2.1	17
108	Differential effects of the ascorbyl and tocopheryl derivative on the methamphetamine-induced toxic behavior and toxicity. Toxicology, 2007, 240, 96-110.	4.2	16

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109	Design and synthesis of temperature-responsive polymer/silica hybrid nanoparticles and application to thermally controlled cellular uptake. Colloids and Surfaces B: Biointerfaces, 2017, 153, 2-9.	5.0	16
110	Green analytical method for the simultaneous analysis of cytochrome P450 probe substrates by poly(N-isopropylacrylamide)-based temperature-responsive chromatography. Scientific Reports, 2020, 10, 8828.	3.3	16
111	Comparison of columns of chemically modified porous glass and silica in reversed-phase high-performance liquid chromatography of ginsenosides. Journal of Chromatography A, 1993, 632, 79-85.	3.7	15
112	Design of Tetra-arm PEG-crosslinked Thermoresponsive Hydrogel for 3D Cell Culture. Analytical Sciences, 2016, 32, 1203-1205.	1.6	15
113	Adsorptionâ€"Desorption Control of Fibronectin in Real Time at the Liquid/Polymer Interface on a Quartz Crystal Microbalance by Thermoresponsivity. Biomacromolecules, 2019, 20, 1748-1755.	5.4	15
114	Simultaneous analysis of multiple oligonucleotides by temperature-responsive chromatography using a poly(N-isopropylacrylamide)-based stationary phase. Analytical and Bioanalytical Chemistry, 2020, 412, 5341-5351.	3.7	15
115	Effect of pore diameter on the elution behavior of analytes from thermoresponsive polymer grafted beads packed columns. Scientific Reports, 2021, 11, 9976.	3.3	15
116	Anion species-triggered antibody separation system utilizing a thermo-responsive polymer column under optimized constant temperature. Colloids and Surfaces B: Biointerfaces, 2021, 205, 111890.	5.0	15
117	High-performance liquid chromatographic analysis of ginsenosides inPanax ginseng extracts using glass-ODS column. Chromatographia, 1987, 24, 517-519.	1.3	14
118	Increased F2-Isoprostane Levels in the Rat Brain and Plasma Caused by Oxidative Stress and Aging, and Inhibitory Effect of Vitamin E. Journal of Clinical Biochemistry and Nutrition, 2006, 38, 161-166.	1.4	13
119	Hypnotic effects and pharmacokinetics of a single bolus dose of propofol in Japanese macaques (Macaca fsucata fsucata). Veterinary Anaesthesia and Analgesia, 2010, 37, 501-510.	0.6	13
120	The use of a temperature-responsive column for the direct analysis of drugs in serum by two-dimensional heart-cutting liquid chromatography. Analytical and Bioanalytical Chemistry, 2017, 409, 1059-1065.	3.7	13
121	Analysis of Psychoactive Drugs by Temperature-Responsive Chromatography. Chromatography, 2017, 38, 115-121.	1.7	12
122	Intracellular localization and delivery of plasmid DNA by biodegradable microsphereâ€mediated femtosecond laser optoporation. Journal of Biophotonics, 2017, 10, 1723-1731.	2.3	10
123	Crosslinked Poly(N â€Isopropylacrylamide)â€Based Microfibers as Cell Manipulation Materials with Prompt Cell Detachment. Macromolecular Rapid Communications, 2019, 40, 1900464.	3.9	10
124	Preparative high-performance liquid chromatography on chemically modified porous glass. Isolation of saponins from ginseng.. Chemical and Pharmaceutical Bulletin, 1990, 38, 1630-1632.	1.3	9
125	Scandium Ion-accelerated Scavenging Reaction of Cumylperoxyl Radical by a Cyclic Nitroxyl Radical via Electron Transfer. Chemistry Letters, 2007, 36, 378-379.	1.3	9
126	Measurement of the dynamic behavior of thin poly(N-isopropylacrylamide) hydrogels and their phase transition temperatures measured using reflectometric interference spectroscopy. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	9

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127	Viral vector purification with thermoresponsive-anionic mixed polymer brush modified beads-packed column. Separation and Purification Technology, 2022, 286, 120445.	7.9	9
128	Temperature-Responsive Chromatography. Yakugaku Zasshi, 1997, 117, 817-824.	0.2	8
129	Hydration of poly(N-isopropylacrylamide) brushes on micro-silica beads measured by a fluorescent probe. Chemical Physics Letters, 2010, 491, 193-198.	2.6	8
130	Fractional laser-assisted percutaneous drug delivery via temperature-responsive liposomes. Journal of Biomaterials Science, Polymer Edition, 2017, 28, 679-689.	3.5	8
131	Transcutaneous drug delivery by liposomes using fractional laser technology. Lasers in Surgery and Medicine, 2017, 49, 525-532.	2.1	8
132	Effective Separation for New Therapeutic Modalities Utilizing Temperature-responsive Chromatography. Analytical Sciences, 2021, 37, 651-660.	1.6	8
133	Discrimination of ranitidine hydrochloride crystals using X-ray micro-computed tomography for the evaluation of three-dimensional spatial distribution in solid dosage forms. International Journal of Pharmaceutics, 2021, 605, 120834.	5.2	8
134	Temperature responsive chromatography for therapeutic drug monitoring with an aqueous mobile phase. Scientific Reports, 2021, 11, 23508.	3.3	8
135	Preparative high-performance liquid chromatography on chemically modified porous glass. Journal of Chromatography A, 1991, 537, 469-474.	3.7	7
136	Reaction monitoring of tocopherols with active nitrogen oxides by ultra high-speed liquid chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2011, 55, 241-246.	2.8	7
137	Temperature-responsive spin column for sample preparation using an all-aqueous eluent. Analytica Chimica Acta, 2021, 1179, 338806.	5.4	7
138	Reaction of 2,2,5,7,8-pentamethyl-6-chromanol, an Î±-tocopherol analogue, with NO in the presence of oxygen. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 2709-2712.	2.2	6
139	Two-dimensional temperature-responsive chromatography using a poly(N-isopropylacrylamide) brush-modified stationary phase for effective therapeutic drug monitoring. Scientific Reports, 2022, 12, 2653.	3.3	6
140	Effect of metabolic inhibition against CYP3A4 by catechins in bottled green tea drinks. Bunseki Kagaku, 2003, 52, 769-773.	0.2	5
141	Products of the reaction between Î±- or Î³-tocopherol and nitrogen oxides analyzed by high-performance liquid chromatography with UV-visible and atmospheric pressure chemical ionization mass spectrometric detection. Journal of Chromatography A, 2004, 1036, 177-182.	3.7	5
142	Analysis of Benzimidazole Anthelmintics in Livestock Foods by HPLC/MS/MS. Bunseki Kagaku, 2005, 54, 775-782.	0.2	5
143	Development of Temperature-Responsive Chromatography Using Functional Polymers. Bunseki Kagaku, 2005, 54, 593-603.	0.2	5
144	Temperature-Responsive Chromatography Using a Functional Polymer Modified Stationary Phase with Molecular Recognition Sites. Kobunshi Ronbunshu, 2014, 71, 293-301.	0.2	5

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145	Temperature-responsive mixed-mode column for the modulation of multiple interactions. Scientific Reports, 2022, 12, 4434.	3.3	5
146	Liquid Chromatography-Mass Spectrometric Analysis of Dehydroepiandrosterone and Related Steroids Utilizing a Temperature-Responsive Stationary Phase. Chromatography, 2014, 35, 131-138.	1.7	4
147	Separation of catechins by temperature-responsive chromatography. Bunseki Kagaku, 2003, 52, 903-906.	0.2	3
148	Removal of Radiocesium Using Cation Exchange Resin. Bunseki Kagaku, 2013, 62, 541-545.	0.2	3
149	Simultaneous Analysis of Oral Antidiabetic Drug by LC-MS/MS. Chromatography, 2015, 36, 19-24.	1.7	3
150	Analysis of Fusarium Toxins in Processed Grain Products Using High-Performance Liquid Chromatography/Tandem Mass Spectrometry. Chromatography, 2016, 37, 79-85.	1.7	3
151	Role of Wnt Signaling in Mouse Fetal Skin Wound Healing. Biomedicines, 2022, 10, 1536.	3.2	3
152	Screening Method for Veterinary Drugs in Livestock Foods and Fish by Liquid Chromatography/Tandem Mass Spectrometry. Bunseki Kagaku, 2007, 56, 1105-1112.	0.2	2
153	High temperature heat source generation with quasi-continuous wave semiconductor lasers at power levels of 6ÂW for medical use. Journal of Biomedical Optics, 2014, 19, 101502.	2.6	2
154	Development of Nanocarriers Functionalized with Stimuli-Responsive Polymer for Controlled Cellular Uptake. Kobunshi Ronbunshu, 2018, 75, 116-127.	0.2	2
155	Species Absorbing in the 500-nm Region in the Reactions of Pyridoxamine with Pyrroloquinoline Quinone and Phenathrolinequinones.. Chemical and Pharmaceutical Bulletin, 1999, 47, 1774-1777.	1.3	1
156	Novel Analytical System Using Environment-Responsive Polymer. Bunseki Kagaku, 2007, 56, 397-407.	0.2	1
157	Metabolism of Bisphenol A in the Rat Syncytiotrophoblast Cell Line, TR-TBT 18d-1. Journal of Health Science, 2007, 53, 146-150.	0.9	1
158	Estimation of the Postmortem Duration of Mouse Tissue by Electron Spin Resonance Spectroscopy. Journal of Toxicology, 2011, 2011, 1-11.	3.0	1
159	Rapid and Simultaneous Analysis of Psychotropic Drugs by Ultra-High-Speed HPLC. Bunseki Kagaku, 2016, 65, 173-179.	0.2	1
160	Design of Functional Thermoresponsive Polymer Brushes and Their Application to Bioseparation. Kobunshi Ronbunshu, 2018, 75, 143-154.	0.2	1
161	Comparison of plasma propofol concentration for apnea, response to mechanical ventilation, and airway device between endotracheal tube and supraglottic airway device in Beagles. Journal of Veterinary Medical Science, 2018, 80, 1420-1423.	0.9	1
162	Design of two complementary copolymers that work as a glue for cell-laden collagen gels. Chemical Communications, 2020, 56, 10545-10548.	4.1	1

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163	CD44-Targeting Nanocarriers for Cancer Treatment. Drug Delivery System, 2019, 34, 38-45.	0.0	1
164	The Basic Study for Intelligent Liposome using Environmentally Responsive Polymer. Journal of Life Support Engineering, 2007, 19, 199-199.	0.0	1
165	Development of Chromatography System Organic Solvent-Free Using Multi-Functional Polymers. Bunseki Kagaku, 2010, 59, 163-173.	0.2	0
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