Takuya Kubo

List of Publications by Year in descending order

106 papers	1,663 citations	304743 22 h-index	345221 36 g-index
108 all docs	108 docs citations	108 times ranked	1764 citing authors

#	Article	IF	Citations
1	Novel surface modified molecularly imprinted polymer focused on the removal of interference in environmental water samples for chromatographic determination. Journal of Chromatography A, 2005, 1073, 363-370.	3.7	91
2	Fully automated liquid chromatographyâ€“mass spectrometry determination of 17Î²-estradiol in river water. Journal of Chromatography A, 2006, 1120, 252-259.	3.7	91
3	Wellâ€controlled 3D skeletal epoxyâ€based monoliths obtained by polymerization induced phase separation. Journal of Polymer Science Part A, 2008, 46, 3272-3281.	2.3	80
4	Effective determination method for a cyanobacterial neurotoxin, Î²-N-methylamino-l-alanine. Toxicon, 2008, 51, 1264-1268.	1.6	59
5	Simple and Effective 3D Recognition of Domoic Acid Using a Molecularly Imprinted Polymer. Journal of the American Chemical Society, 2007, 129, 13626-13632.	13.7	57
6	Recent progress in molecularly imprinted media by new preparation concepts and methodological approaches for selective separation of targeting compounds. TrAC - Trends in Analytical Chemistry, 2016, 81, 102-109.	11.4	50
7	Recognition of Polymer Terminus by Metalâ€“Organic Frameworks Enabling Chromatographic Separation of Polymers. Journal of the American Chemical Society, 2020, 142, 3701-3705.	13.7	50
8	Molecularly Imprinted Polymers for Selective Adsorption of Lysozyme and Cytochrome c Using a PEG-Based Hydrogel: Selective Recognition for Different Conformations Due to pH Conditions. Macromolecules, 2015, 48, 4081-4087.	4.8	49
9	Recent developments of point-of-care (POC) testing platform for biomolecules. TrAC - Trends in Analytical Chemistry, 2021, 135, 116160.	11.4	44
10	LC/MS determination of bisphenol A in river water using a surface-modified molecularly-imprinted polymer as an on-line pretreatment device. Analytical and Bioanalytical Chemistry, 2005, 381, 1193-1198.	3.7	42
11	Recent progress for the selective pharmaceutical analyses using molecularly imprinted adsorbents and their related techniques: A review. Journal of Pharmaceutical and Biomedical Analysis, 2016, 130, 68-80.	2.8	41
12	Chromatographic separation for domoic acid using a fragment imprinted polymer. Analytica Chimica Acta, 2006, 577, 1-7.	5.4	39
13	Polymer-Based Photocoupling Agent for the Efficient Immobilization of Nanomaterials and Small Molecules. Langmuir, 2011, 27, 9372-9378.	3.5	39
14	Fabrication of Glyconanoparticle Microarrays. Analytical Chemistry, 2012, 84, 3049-3052.	6.5	39
15	Preparation of a novel molecularly imprinted polymer using a water-soluble crosslinking agent. Analytical and Bioanalytical Chemistry, 2005, 382, 1698-1701.	3.7	37
16	Effective Recognition on the Surface of a Polymer Prepared by Molecular Imprinting Using Ionic Complex. Macromolecules, 2009, 42, 2911-2915.	4.8	34
17	Surface modification of TiO2 for selective photodegradation of toxic compounds. Catalysis Communications, 2011, 12, 785-789.	3.3	33
18	Effective determination of a pharmaceutical, sulpiride, in river water by online SPE-LCâ€“MS using a molecularly imprinted polymer as a preconcentration medium. Journal of Pharmaceutical and Biomedical Analysis, 2014, 89, 111-117.	2.8	33

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19	Magnetic Field Stimuli-Sensitive Drug Release Using a Magnetic Thermal Seed Coated with Thermal-Responsive Molecularly Imprinted Polymer. ACS Biomaterials Science and Engineering, 2019, 5, 759-767.	5.2	33
20	Selective separation of hydroxy polychlorinated biphenyls (HO-PCBs) by the structural recognition on the molecularly imprinted polymers: Direct separation of the thyroid hormone active analogues from mixtures. Analytica Chimica Acta, 2007, 589, 180-185.	5.4	28
21	Development of a C60-fullerene bonded open-tubular capillary using a photo/thermal active agent for liquid chromatographic separations by Ï€â€“Ï€ interactions. Journal of Chromatography A, 2014, 1323, 174-178.	3.7	27
22	A new simply and effective fractionation method for cylindrospermopsin analyses. Toxicon, 2005, 46, 104-107.	1.6	23
23	Poly(glycerin 1,3â€dimethacrylate)â€based monolith with a bicontinuous structure tailored as HPLC column by photoinitiated in situ radical polymerization via viscoelastic phase separation. Journal of Polymer Science Part A, 2008, 46, 4651-4673.	2.3	23
24	Novel separation medium spongy monolith for high throughput analyses. Journal of Chromatography A, 2009, 1216, 7402-7408.	3.7	21
25	Molecularly Imprinted Adsorbents for Selective Separation and/or Concentration of Environmental Pollutants. Analytical Sciences, 2014, 30, 97-104.	1.6	21
26	Shielded molecularly imprinted polymers prepared with a selective surface modification. Journal of Polymer Science Part A, 2005, 43, 2048-2060.	2.3	20
27	Identification and characterization of a thermally cleaved fragment of monoclonal antibody-A detected by sodium dodecyl sulfate-capillary gel electrophoresis. Journal of Pharmaceutical and Biomedical Analysis, 2017, 140, 98-104.	2.8	20
28	Target-selective ion-exchange media for highly hydrophilic compounds: a possible solution by use of the ?interval immobilization technique?. Analytical and Bioanalytical Chemistry, 2004, 378, 84-88.	3.7	19
29	Efficient extraction of estrogen receptorâ€“active compounds from environmental surface water via a receptor-mimic adsorbent, a hydrophilic PEG-based molecularly imprinted polymer. Chemosphere, 2019, 217, 204-212.	8.2	19
30	Unique Separation Behavior of a C₆₀ Fullereneâ€Bonded Silica Monolith Prepared by an Effective Thermal Coupling Agent. Chemistry - A European Journal, 2015, 21, 18095-18098.	3.3	18
31	New platform for simple and rapid protein-based affinity reactions. Scientific Reports, 2017, 7, 178.	3.3	18
32	Isotope Effects on Hydrogen Bonding and CH/CDâ‹¯Ï€ Interaction. Journal of Physical Chemistry C, 2018, 122, 15026-15032.	3.1	18
33	Differentiating Ï€ Interactions by Constructing Concave/Convex Surfaces Using a Bucky Bowl Molecule, Corannulene in Liquid Chromatography. Analytical Chemistry, 2019, 91, 2439-2446.	6.5	17
34	Separation of halogenated benzenes enabled by investigation of halogenâ€“Ï€ interactions with carbon materials. Chemical Science, 2020, 11, 409-418.	7.4	17
35	Novel polymer monolith prepared from a waterâ€soluble crosslinking agent. Journal of Polymer Science Part A, 2007, 45, 3811-3817.	2.3	16
36	Selective adsorption of carbohydrates and glycoproteins via molecularly imprinted hydrogels: application to visible detection by a boronic acid monomer. Chemical Communications, 2017, 53, 7290-7293.	4.1	16

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37	Substituted meso-vinyl-BODIPY as thiol-selective fluorogenic probes for sensing unfolded proteins in the endoplasmic reticulum. Chemical Communications, 2021, 57, 1818-1821.	4.1	15
38	A molecular recognition strategy towards tetra-chlorinated dibenzo-p-dioxins, TCDDs. Biosensors and Bioelectronics, 2004, 20, 1185-1189.	10.1	14
39	Development of molecularly imprinted porous polymers for selective adsorption of gaseous compounds. Microporous and Mesoporous Materials, 2012, 156, 161-165.	4.4	14
40	Carbon-Based Nanomaterials for Separation Media. Bulletin of the Chemical Society of Japan, 2020, 93, 482-489.	3.2	14
41	Quantitative evaluations of surface-concentrated amino groups on monolithic-type solid supports prepared by copolymerization method. Colloid and Polymer Science, 2009, 287, 513-523.	2.1	13
42	Tunable separations based on a molecular size effect for biomolecules by poly(ethylene glycol) gel-based capillary electrophoresis. Journal of Chromatography A, 2017, 1523, 107-113.	3.7	13
43	Interval immobilization technique for recognition toward a highly hydrophilic cyanobacterium toxin. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 806, 229-235.	2.3	12
44	Determination of bisphenol A with effective pretreatment medium using automated columnâ€switching HPLC with fluorescence detection. Journal of Separation Science, 2011, 34, 2840-2846.	2.5	12
45	C₆₀-Fullerene Bonded Silica Monolithic Capillary for Specific Separations of Aromatic Compounds. Chromatography, 2015, 36, 105-113.	1.7	12
46	Molecularly imprinted polymer with a pseudo-template for thermo-responsive adsorption/desorption based on hydrogen bonding. Microporous and Mesoporous Materials, 2015, 218, 112-117.	4.4	12
47	Development of a C₇₀-Fullerene Bonded Silica-Monolithic Capillary and Its Retention Characteristics in Liquid Chromatography. Chromatography, 2017, 38, 45-51.	1.7	12
48	Selective Adsorption of Water-soluble Ionic Compounds by an Interval Immobilization Technique Based on Molecular Imprinting. Analytical Sciences, 2008, 24, 1633-1636.	1.6	11
49	Properties of a Non-Aromatic Epoxy Polymer-Based Monolithic Capillary Column for Î¼-HPLC. Chromatographia, 2009, 70, 699-704.	1.3	11
50	Synthesis of poly(ethylene glycol)â€based hydrogels and their swelling/shrinking response to molecular recognition. Journal of Polymer Science Part A, 2013, 51, 3153-3158.	2.3	11
51	Validation of Capillary Zone Electrophoretic Method for Evaluating Monoclonal Antibodies and Antibody-Drug Conjugates. Chromatography, 2016, 37, 117-124.	1.7	11
52	Three-Dimensional Fabrication for Microfluidics by Conventional Techniques and Equipment Used in Mass Production. Micromachines, 2016, 7, 82.	2.9	11
53	Specific Intermolecular Interactions by the Localized Ï€â€Electrons in C₇₀â€fullerene. ChemistrySelect, 2016, 1, 5900-5904.	1.5	11
54	Tunable Liquid Chromatographic Separation of H/D Isotopologues Enabled by Aromatic Ï€ Interactions. Analytical Chemistry, 2020, 92, 4065-4072.	6.5	10

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55	High Throughput On-line Preconcentration Using â€œSpongy-monolithâ€•Prepared by Pore Templates. Chemistry Letters, 2008, 37, 950-951.	1.3	8
56	Spontaneous water cleanup using an epoxy-based polymer monolith. Analytical Methods, 2010, 2, 570.	2.7	8
57	Specific Chromatographic Retentions on Polymer Pore Surface of Macroporous Spongy Monoliths. Chemistry Letters, 2012, 41, 1265-1266.	1.3	8
58	Antibacterial activities effectuated by co-continuous epoxy-based polymer materials. Colloids and Surfaces B: Biointerfaces, 2013, 107, 53-58.	5.0	8
59	Separation of saccharides using fullerene-bonded silica monolithic columns via Ï€ interactions in liquid chromatography. Scientific Reports, 2020, 10, 13850.	3.3	8
60	Simple and Effective Label-Free Capillary Electrophoretic Analysis of Sugars by Complexation Using Quinoline Boronic Acids. Analytical Chemistry, 2015, 87, 5068-5073.	6.5	7
61	Competitive ELISA-like Label-free Detection of Lysozyme by Using a Fluorescent Monomer-doped Molecularly Imprinted Hydrogel. Analytical Sciences, 2017, 33, 1311-1315.	1.6	7
62	Separation of Glycoproteins Based on Sugar Chains Using Novel Stationary Phases Modified with Poly(ethylene glycol)-Conjugated Boronic-Acid Derivatives. Analytical Chemistry, 2022, 94, 6882-6892.	6.5	7
63	Selective retention of some polyaromatic hydrocarbons by highly crosslinked polymer networks. Journal of Polymer Science Part A, 2005, 43, 2556-2566.	2.3	6
64	Molecularly Imprinted Materials in Analytical Chemistry. Analytical Sciences, 2017, 33, 1321-1322.	1.6	6
65	Poly(ethylene glycol) Hydrogels with a Boronic Acid Monomer via Molecular Imprinting for Selective Removal of Quinic Acid Gamma-Lactone in Coffee. ACS Applied Polymer Materials, 2021, 3, 226-232.	4.4	6
66	Controllable Molecular Sieving by copoly(Poly(ethylene glycol) Acrylate/Poly(ethylene glycol)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Materials, 2020, 2, 3886-3893.	4.4	6
67	Dependence of the pretreatment efficiency of polymer-based adsorbents for environmental water on their uniformity and size. Journal of Polymer Science Part A, 2005, 43, 2112-2118.	2.3	5
68	Retention properties of macroporous spongy monolith and its application for concentration of polyaromatic hydrocarbons. Journal of Separation Science, 2011, 34, 2193-2198.	2.5	5
69	Tunable Molecular Sieving in Gel Electrophoresis Using a Poly(ethylene glycol)-Based Hydrogel. Chromatography, 2014, 35, 81-86.	1.7	5
70	Effect of Acidic Additives on Peak Capacity and Detectivity in Peptide Analysis Using Nano-Flow LC/MS with Low-Density ODS Modified Monolithic Silica Capillary Columns. Chromatography, 2016, 37, 133-139.	1.7	5
71	Automated Pre-Treatment Technique for the Determination of Bisphenol A and 17.BETA.-Estradiol in River Water by Multi-Valve Column Switching LC/MS. Bunseki Kagaku, 2009, 58, 293-299.	0.2	4
72	Trace level determination of polycyclic aromatic hydrocarbons in river water with automated pretreatment <scp>HPLC</scp>. Journal of Separation Science, 2013, 36, 1128-1134.	2.5	4

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73	Suppression of Hydrophobicity and Optimizations of a Ligand-Immobilization for Effective Affinity Chromatography Using a Spongy Monolith. Chromatography, 2018, 39, 113-118.	1.7	4
74	Fluorescent detection of target proteins via a molecularly imprinted hydrogel. Analytical Methods, 2021, 13, 3086-3091.	2.7	4
75	Rational Strategy for Space-Confined Seeded Growth of ZnO Nanowires in Meter-Long Microtubes. ACS Applied Materials & Interfaces, 2021, 13, 16812-16819.	8.0	4
76	Hydrogels in Electrophoresis: Applications and Advances. Analytical Sciences, 2021, 37, 807-816.	1.6	4
77	Specific recognition of a target protein, cytochrome c, using molecularly imprinted hydrogels. Journal of Materials Chemistry B, 2022, 10, 6800-6807.	5.8	4
78	Selective adsorption of trypsin using molecularly imprinted polymers prepared with PEG-based hydrogels containing anionic functional monomers. Molecular Imprinting, 2015, 3, .	1.8	3
79	Online fluorescence imaging method by reducing the inequivalent photobleaching for quantitative capillary electrophoresis. Sensors and Actuators B: Chemical, 2020, 319, 128035.	7.8	3
80	Detection of Molecular Adsorbate in Aqueous Solution Based on Electroosmosis. Sensors and Materials, 2019, 31, 45.	0.5	3
81	Novel Polymer Monolithic Column for Hydrophilic Compounds. Chromatographia, 2009, 70, 527-532.	1.3	2
82	Development of Application Techniques Based on Molecular Imprinting for Molecular Selective Pretreatments. Bunseki Kagaku, 2012, 61, 371-381.	0.2	2
83	Problems and improvements of the regulated analyses method on GC for nonyl phenol isomers. Analytical Methods, 2012, 4, 869.	2.7	2
84	Rapid separations by LC using ionâ€exchange media based on spongy monoliths. Journal of Separation Science, 2013, 36, 2813-2818.	2.5	2
85	Solvent induced nanostructure formation in polymer thin films: The impact of oxidation and solvent. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 444, 217-225.	4.7	2
86	Hydrodynamic nonadhesive cell retention in a microfluidic circuit for stressless suspension culture. Analytical Methods, 2015, 7, 7264-7269.	2.7	2
87	Efficient total analyses for bromine type flame retardants by simple NICI-GC/MS. Analytical Methods, 2013, 5, 866-873.	2.7	1
88	Effect of Solvents on the Surface Modification of Hydrophilic Macro-Porous Particles with an Ion-Exchange Monomer Having Both Anion and Cation Exchange Groups. Chromatography, 2016, 37, 99-104.	1.7	1
89	Study on magnetic thermal seeds coated with thermal-responsive molecularly imprinted polymers. Nanocomposites, 2021, 7, 215-225.	4.2	1
90	Moderate molecular recognitions on ZnO m-plane and their selective capture/release of bio-related phosphoric acids. Nanoscale Advances, 2022, 4, 1649-1658.	4.6	1

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91	Development of a microfluidic dispensing device for multivariate data acquisition and application in molecularly imprinting hydrogel preparation. Journal of Materials Chemistry B, 2022, 10, 6664-6672.	5.8	1
92	Evaluation of human thyroid receptor-agonist activity in 796 chemical compounds using a yeast two-hybrid assay with <i>Saccharomyces cerevisiae</i> Y190. Environmental Monitoring and Contaminants Research, 2022, 2, 54-59.	0.9	1
93	Evaluation of human thyroid hormone receptor-antagonist activity in 691 chemical compounds using a yeast two-hybrid assay with Saccharomyces cerevisiae Y190. Data in Brief, 2022, 42, 108303.	1.0	1
94	Bi-continuous macroporous polymer derived from oligo-ethylene oxide di-vinyl ether by a cationic polymerization. Colloid and Polymer Science, 2010, 288, 1651-1653.	2.1	0
95	Hybridization of a Macroporous Sponge and Spherical Microporous Adsorbents for High Throughput Separation of Ionic Solutes. Analytical Sciences, 2013, 29, 417-421.	1.6	0
96	Magnetic nano-particles Modified with the Molecular-recognition Layer and its Application to Environmental Purification. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2013, 21, 31-34.	0.0	0
97	Preparation of Hybrid Polymers with High Adsorptivity for Nitrate Ion. Kobunshi Ronbunshu, 2014, 71, 630-636.	0.2	0
98	Simple Preparation and Characterization of Viscoelastic Gels Induced by Multiple Intermolecular Interactions Using Low-Molecular-Weight Species. Bulletin of the Chemical Society of Japan, 2015, 88, 1575-1580.	3.2	0
99	Simple chemical detection based on a surface-modified electroosmotic pump via interval immobilization. Analytical Methods, 2021, 13, 1559-1564.	2.7	0
100	Development of a database strategy based on liquid chromatographyâ€“quadrupole timeâ€ofâ€flight mass spectrometry for the screening of 75 estrogenic chemicals from treated sewage effluent. Separation Science Plus, 2021, 4, 286-295.	0.6	0
101	Introduction to advanced separation. Analytical Methods, 2021, 13, 4708-4709.	2.7	0
102	Selective Recovery of Estrogenic Endocrine Disruptors from 48 Environmental Samples Using a Substrate for Activity-Specific Concentration. Bulletin of Environmental Contamination and Toxicology, 2021, , 1.	2.7	0
103	Variation in Separation Selectivity of Spongy Monoliths Caused by Hydrogen Bonding. Chromatography, 2014, 35, 163-168.	1.7	0
104	Development of Lectin-immobilized Spongy Monoliths for Sub-classification of Exosome. Bunseki Kagaku, 2020, 69, 731-735.	0.2	0
105	Development of transient trapping micellar electrokinetic chromatography coupled with mass spectrometry for steroids analysis. Chirality, 0, , .	2.6	0
106	Development and Evaluation of a Silica-monolithic Micro-trap Column for LC/MS Analysis of Intact Proteins. Bunseki Kagaku, 2022, 71, 341-349.	0.2	0