Takuya Kubo

List of Publications by Year in descending order

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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	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
2	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
3	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
4	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
5	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
6	Specific recognition of a target protein, cytochrome c, using molecularly imprinted hydrogels. Journal of Materials Chemistry B, 2022, 10, 6800-6807.	5.8	4
7	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
8	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
9	Fluorescent detection of target proteins via a molecularly imprinted hydrogel. Analytical Methods, 2021, 13, 3086-3091.	2.7	4
10	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
11	Simple chemical detection based on a surface-modified electroosmotic pump via interval immobilization. Analytical Methods, 2021, 13, 1559-1564.	2.7	0
12	Recent developments of point-of-care (POC) testing platform for biomolecules. TrAC - Trends in Analytical Chemistry, 2021, 135, 116160.	11.4	44
13	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
14	Hydrogels in Electrophoresis: Applications and Advances. Analytical Sciences, 2021, 37, 807-816.	1.6	4
15	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
16	Introduction to advanced separation. Analytical Methods, 2021, 13, 4708-4709.	2.7	0
17	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
18	Study on magnetic thermal seeds coated with thermal-responsive molecularly imprinted polymers. Nanocomposites, 2021, 7, 215-225.	4.2	1

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19	Separation of halogenated benzenes enabled by investigation of halogenâ€“Ï€ interactions with carbon materials. Chemical Science, 2020, 11, 409-418.	7.4	17
20	Online fluorescence imaging method by reducing the inequivalent photobleaching for quantitative capillary electrophoresis. Sensors and Actuators B: Chemical, 2020, 319, 128035.	7.8	3
21	Separation of saccharides using fullerene-bonded silica monolithic columns via Ï€ interactions in liquid chromatography. Scientific Reports, 2020, 10, 13850.	3.3	8
22	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
23	Carbon-Based Nanomaterials for Separation Media. Bulletin of the Chemical Society of Japan, 2020, 93, 482-489.	3.2	14
24	Tunable Liquid Chromatographic Separation of H/D Isotopologues Enabled by Aromatic Ï€ Interactions. Analytical Chemistry, 2020, 92, 4065-4072.	6.5	10
25	Controllable Molecular Sieving by copoly(Poly(ethylene glycol) Acrylate/Poly(ethylene glycol)) Tj ETQq1 1 0.784314 rgBT /Over Materials, 2020, 2, 3886-3893.	4.4	6
26	Development of Lectin-immobilized Spongy Monoliths for Sub-classification of Exosome. Bunseki Kagaku, 2020, 69, 731-735.	0.2	0
27	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
28	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
29	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
30	Detection of Molecular Adsorbate in Aqueous Solution Based on Electroosmosis. Sensors and Materials, 2019, 31, 45.	0.5	3
31	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
32	Isotope Effects on Hydrogen Bonding and CH/CDâ‹¯Ï€ Interaction. Journal of Physical Chemistry C, 2018, 122, 15026-15032.	3.1	18
33	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
34	New platform for simple and rapid protein-based affinity reactions. Scientific Reports, 2017, 7, 178.	3.3	18
35	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
36	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

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37	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
38	Molecularly Imprinted Materials in Analytical Chemistry. Analytical Sciences, 2017, 33, 1321-1322.	1.6	6
39	Development of a C₇₀-Fullerene Bonded Silica-Monolithic Capillary and Its Retention Characteristics in Liquid Chromatography. Chromatography, 2017, 38, 45-51.	1.7	12
40	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
41	Validation of Capillary Zone Electrophoretic Method for Evaluating Monoclonal Antibodies and Antibody-Drug Conjugates. Chromatography, 2016, 37, 117-124.	1.7	11
42	Three-Dimensional Fabrication for Microfluidics by Conventional Techniques and Equipment Used in Mass Production. Micromachines, 2016, 7, 82.	2.9	11
43	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
44	Specific Intermolecular Interactions by the Localized Ï€â€Electrons in C₇₀â€fullerene. ChemistrySelect, 2016, 1, 5900-5904.	1.5	11
45	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
46	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
47	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
48	Selective adsorption of trypsin using molecularly imprinted polymers prepared with PEG-based hydrogels containing anionic functional monomers. Molecular Imprinting, 2015, 3, .	1.8	3
49	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
50	C₆₀-Fullerene Bonded Silica Monolithic Capillary for Specific Separations of Aromatic Compounds. Chromatography, 2015, 36, 105-113.	1.7	12
51	Hydrodynamic nonadhesive cell retention in a microfluidic circuit for stressless suspension culture. Analytical Methods, 2015, 7, 7264-7269.	2.7	2
52	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
53	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
54	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

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55	Tunable Molecular Sieving in Gel Electrophoresis Using a Poly(ethylene glycol)-Based Hydrogel. Chromatography, 2014, 35, 81-86.	1.7	5
56	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
57	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
58	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
59	Molecularly Imprinted Adsorbents for Selective Separation and/or Concentration of Environmental Pollutants. Analytical Sciences, 2014, 30, 97-104.	1.6	21
60	Preparation of Hybrid Polymers with High Adsorptivity for Nitrate Ion. Kobunshi Ronbunshu, 2014, 71, 630-636.	0.2	0
61	Variation in Separation Selectivity of Spongy Monoliths Caused by Hydrogen Bonding. Chromatography, 2014, 35, 163-168.	1.7	0
62	Efficient total analyses for bromine type flame retardants by simple NICI-GC/MS. Analytical Methods, 2013, 5, 866-873.	2.7	1
63	Antibacterial activities effectuated by co-continuous epoxy-based polymer materials. Colloids and Surfaces B: Biointerfaces, 2013, 107, 53-58.	5.0	8
64	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
65	Rapid separations by LC using ionâ€exchange media based on spongy monoliths. Journal of Separation Science, 2013, 36, 2813-2818.	2.5	2
66	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
67	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
68	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
69	Specific Chromatographic Retentions on Polymer Pore Surface of Macroporous Spongy Monoliths. Chemistry Letters, 2012, 41, 1265-1266.	1.3	8
70	Development of Application Techniques Based on Molecular Imprinting for Molecular Selective Pretreatments. Bunseki Kagaku, 2012, 61, 371-381.	0.2	2
71	Fabrication of Glyconanoparticle Microarrays. Analytical Chemistry, 2012, 84, 3049-3052.	6.5	39
72	Problems and improvements of the regulated analyses method on GC for nonyl phenol isomers. Analytical Methods, 2012, 4, 869.	2.7	2

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73	Development of molecularly imprinted porous polymers for selective adsorption of gaseous compounds. Microporous and Mesoporous Materials, 2012, 156, 161-165.	4.4	14
74	Polymer-Based Photocoupling Agent for the Efficient Immobilization of Nanomaterials and Small Molecules. Langmuir, 2011, 27, 9372-9378.	3.5	39
75	Surface modification of TiO2 for selective photodegradation of toxic compounds. Catalysis Communications, 2011, 12, 785-789.	3.3	33
76	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
77	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
78	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
79	Spontaneous water cleanup using an epoxy-based polymer monolith. Analytical Methods, 2010, 2, 570.	2.7	8
80	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
81	Novel separation medium spongy monolith for high throughput analyses. Journal of Chromatography A, 2009, 1216, 7402-7408.	3.7	21
82	Novel Polymer Monolithic Column for Hydrophilic Compounds. Chromatographia, 2009, 70, 527-532.	1.3	2
83	Properties of a Non-Aromatic Epoxy Polymer-Based Monolithic Capillary Column for Î¼-HPLC. Chromatographia, 2009, 70, 699-704.	1.3	11
84	Effective Recognition on the Surface of a Polymer Prepared by Molecular Imprinting Using Ionic Complex. Macromolecules, 2009, 42, 2911-2915.	4.8	34
85	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
86	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
87	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
88	Effective determination method for a cyanobacterial neurotoxin, Î²-N-methylamino-l-alanine. Toxicon, 2008, 51, 1264-1268.	1.6	59
89	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
90	High Throughput On-line Preconcentration Using â€œSpongy-monolithâ€•Prepared by Pore Templates. Chemistry Letters, 2008, 37, 950-951.	1.3	8

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91	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
92	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
93	Novel polymer monolith prepared from a waterâ€soluble crosslinking agent. Journal of Polymer Science Part A, 2007, 45, 3811-3817.	2.3	16
94	Chromatographic separation for domoic acid using a fragment imprinted polymer. Analytica Chimica Acta, 2006, 577, 1-7.	5.4	39
95	Fully automated liquid chromatographyâ€“mass spectrometry determination of 17Î²-estradiol in river water. Journal of Chromatography A, 2006, 1120, 252-259.	3.7	91
96	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
97	Preparation of a novel molecularly imprinted polymer using a water-soluble crosslinking agent. Analytical and Bioanalytical Chemistry, 2005, 382, 1698-1701.	3.7	37
98	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
99	Shielded molecularly imprinted polymers prepared with a selective surface modification. Journal of Polymer Science Part A, 2005, 43, 2048-2060.	2.3	20
100	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
101	Selective retention of some polyaromatic hydrocarbons by highly crosslinked polymer networks. Journal of Polymer Science Part A, 2005, 43, 2556-2566.	2.3	6
102	A new simply and effective fractionation method for cylindrospermopsin analyses. Toxicon, 2005, 46, 104-107.	1.6	23
103	A molecular recognition strategy towards tetra-chlorinated dibenzo-p-dioxins, TCDDs. Biosensors and Bioelectronics, 2004, 20, 1185-1189.	10.1	14
104	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
105	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
106	Development of transient trapping micellar electrokinetic chromatography coupled with mass spectrometry for steroids analysis. Chirality, 0, , .	2.6	0