

Makoto Takafuji

List of Publications by Year in descending order

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244
papers

5,672
citations

66234

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63
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all docs

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docs citations

251
times ranked

4914
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of Poly(1-vinylimidazole)-Grafted Magnetic Nanoparticles and Their Application for Removal of Metal Ions. <i>Chemistry of Materials</i> , 2004, 16, 1977-1983.	3.2	360
2	Induction of Strong and Tunable Circularly Polarized Luminescence of Nonchiral, Nonmetal, Low-Molecular-Weight Fluorophores Using Chiral Nanotemplates. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2989-2993.	7.2	205
3	Functional Organogel Based on a Salicylideneaniline Derivative with Enhanced Fluorescence Emission and Photochromism. <i>Chemistry - A European Journal</i> , 2007, 13, 8231-8239.	1.7	187
4	Chirality Control of Self-Assembling Organogels from a Lipophilic L-Glutamide Derivative with Metal Chlorides. <i>Langmuir</i> , 2002, 18, 7120-7123.	1.6	112
5	New poly(ionic liquid)-grafted silica multi-mode stationary phase for anion-exchange/reversed-phase/hydrophilic interaction liquid chromatography. <i>Analyst</i> , 2012, 137, 2553.	1.7	108
6	A study of combustion behavior of pulverized coal in high-temperature air. <i>Proceedings of the Combustion Institute</i> , 2002, 29, 503-509.	2.4	93
7	Helical Superstructure of Conductive Polymers as Created by Electrochemical Polymerization by Using Synthetic Lipid Assemblies as a Template. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 465-469.	7.2	88
8	Investigation of π - π and ion-dipole interactions on 1-allyl-3-butylimidazolium ionic liquid-modified silica stationary phase in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 5190-5196.	1.8	86
9	Solvent dependence of helix stability in aromatic oligoamide foldamers. <i>Chemical Communications</i> , 2012, 48, 6337.	2.2	86
10	Kinetics of Helix-Handedness Inversion: Folding and Unfolding in Aromatic Amide Oligomers. <i>ChemPhysChem</i> , 2008, 9, 1882-1890.	1.0	79
11	A new imidazolium-embedded C18 stationary phase with enhanced performance in reversed-phase liquid chromatography. <i>Analytica Chimica Acta</i> , 2012, 738, 95-101.	2.6	78
12	New strategy for drastic enhancement of selectivity via chemical modification of counter anions in ionic liquid polymer phase. <i>Chemical Communications</i> , 2010, 46, 8740.	2.2	73
13	Enantioselective recognition by a highly ordered porphyrin-assembly on a chiral molecular gel. <i>Chemical Communications</i> , 2012, 48, 4881.	2.2	73
14	Versatile ligands for high-performance liquid chromatography: An overview of ionic liquid-functionalized stationary phases. <i>Analytica Chimica Acta</i> , 2015, 887, 1-16.	2.6	73
15	Effect of photopolymerization on the morphology of helical supramolecular assemblies. <i>Langmuir</i> , 1992, 8, 1548-1553.	1.6	71
16	New surface-confined ionic liquid stationary phases with enhanced chromatographic selectivity and stability by co-immobilization of polymerizable anion and cation pairs. <i>Chemical Communications</i> , 2012, 48, 1299-1301.	2.2	71
17	Analysis of low NO emission in high temperature air combustion for pulverized coal. <i>Fuel</i> , 2004, 83, 1133-1141.	3.4	70
18	Nanosized Hybrid Oligoamide Foldamers: Aromatic Templates for the Folding of Multiple Aliphatic Units. <i>Journal of the American Chemical Society</i> , 2009, 131, 8642-8648.	6.6	69

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19	Facile synthesis of high-density poly(octadecyl acrylate)-grafted silica for reversed-phase high-performance liquid chromatography by surface-initiated atom transfer radical polymerization. <i>Journal of Chromatography A</i> , 2008, 1187, 119-127.	1.8	66
20	Hybrid Self-Assembly of a β Gelator and Fullerene Derivative with Photoinduced Electron Transfer for Photocurrent Generation. <i>Langmuir</i> , 2010, 26, 6669-6675.	1.6	66
21	Programmable responsive shaping behavior induced by visible multi-dimensional gradients of magnetic nanoparticles. <i>Soft Matter</i> , 2012, 8, 3295.	1.2	66
22	Self-Assembly of a Chiral Lipid Gelator Controlled by Solvent and Speed of Gelation. <i>Chemistry - A European Journal</i> , 2009, 15, 9824-9835.	1.7	62
23	A Smart Gelator as a Chemosensor: Application to Integrated Logic Gates in Solution, Gel, and Film. <i>Chemistry - A European Journal</i> , 2012, 18, 3549-3558.	1.7	61
24	Amplifying Emission Enhancement and Proton Response in a Two-Component Gel. <i>Langmuir</i> , 2013, 29, 417-425.	1.6	57
25	Chromatographic evaluation of a newly designed peptide-silica stationary phase in reverse phase liquid chromatography and hydrophilic interaction liquid chromatography: Mixed mode behavior. <i>Journal of Chromatography A</i> , 2012, 1266, 43-52.	1.8	56
26	Molecular-length and chiral discriminations by β -structural poly(L-alanine) on silica. <i>Journal of Chromatography A</i> , 2005, 1073, 169-174.	1.8	55
27	Molecular Shape Selectivity through Multiple Carbonyl- π Interactions with Noncrystalline Solid Phase for RP-HPLC. <i>Analytical Chemistry</i> , 2005, 77, 6671-6681.	3.2	54
28	A novel approach to magneto-responsive polymeric gels assisted by iron nanoparticles as nano cross-linkers. <i>Chemical Communications</i> , 2008, , 2124.	2.2	54
29	Functional organic gels Chirality induction through formation of highly-oriented structure. <i>Liquid Crystals</i> , 1995, 18, 97-99.	0.9	53
30	Detection of highly oriented aggregation of L-glutamic acid-derived lipids in dilute organic solution. <i>Liquid Crystals</i> , 1999, 26, 1021-1027.	0.9	53
31	Synthesis, Self-Assembling Properties, and Atom Transfer Radical Polymerization of an Alkylated α -Phenylalanine-Derived Monomeric Organogel from Silica: A New Approach To Prepare Packing Materials for High-Performance Liquid Chromatography. <i>Chemistry - A European Journal</i> , 2008, 14, 1312-1321.	1.7	53
32	Fluorescence emission originated from the H-aggregated cyanine dye with chiral gemini surfactant assemblies having a narrow absorption band and a remarkably large Stokes shift. <i>Chemical Communications</i> , 2017, 53, 8870-8873.	2.2	53
33	Thermosensitive hybrid hydrogels with silica nanoparticle-cross-linked polymer networks. <i>Journal of Colloid and Interface Science</i> , 2013, 405, 109-117.	5.0	52
34	Induction of Strong and Tunable Circularly Polarized Luminescence of Nonchiral, Nonmetal, Low-Molecular-Weight Fluorophores Using Chiral Nanotemplates. <i>Angewandte Chemie</i> , 2017, 129, 3035-3039.	1.6	52
35	Selective Dynamic Assembly of Disulfide Macrocyclic Helical Foldamers with Remote Communication of Handedness. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6848-6852.	7.2	51
36	Solvent-dependent photophysical and anion responsive properties of one glutamide gelator. <i>Soft Matter</i> , 2011, 7, 8296.	1.2	49

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37	Direct Observation of Siloxane Chirality on Twisted and Helical Nanometric Amorphous Silica. <i>Nano Letters</i> , 2016, 16, 6411-6415.	4.5	49
38	Chiral Colloids: Homogeneous Suspension of Individualized SiO ₂ Helical and Twisted Nanoribbons. <i>ACS Nano</i> , 2014, 8, 6863-6872.	7.3	47
39	Design of C ₁₈ Organic Phases with Multiple Embedded Polar Groups for Ultraversatile Applications with Ultrahigh Selectivity. <i>Analytical Chemistry</i> , 2015, 87, 6614-6621.	3.2	47
40	Strategy for preparation of hybrid polymer hydrogels using silicananoparticles as multifunctional crosslinking points. <i>Chemical Communications</i> , 2011, 47, 1024-1026.	2.2	45
41	A Sulfonicâ€Azobenzeneâ€Grafted Silica Amphiphilic Material: A Versatile Stationary Phase for Mixedâ€Mode Chromatography. <i>Chemistry - A European Journal</i> , 2013, 19, 18004-18010.	1.7	44
42	Synthesis and in Vitro Evaluation of Glutamide-Containing Cationic Lipids for Gene Delivery. <i>Bioconjugate Chemistry</i> , 2006, 17, 1530-1536.	1.8	43
43	Preparation of novel chitosan/poly (ethylene glycol)/ZnO bionanocomposite for wound healing application: Effect of gentamicin loading. <i>Materialia</i> , 2020, 12, 100785.	1.3	43
44	Selectivity enhancement of diastereomer separation in RPLC using crystalline-organic phase-bonded silica. <i>Chromatographia</i> , 2002, 56, 19-23.	0.7	42
45	Octadecylimidazolium ionic liquid-modified magnetic materials: Preparation, adsorption evaluation and their excellent application for honey and cinnamon. <i>Food Chemistry</i> , 2017, 229, 208-214.	4.2	42
46	Anion response of organogels: dependence on intermolecular interactions between gelators. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1840.	1.5	41
47	Novel Approach for the Separation of Shape-Constrained Isomers with Alternating Copolymer-Grafted Silica in Reversed-Phase Liquid Chromatography. <i>Analytical Chemistry</i> , 2010, 82, 3320-3328.	3.2	40
48	Polyanionic and polyzwitterionic azobenzene ionic liquid-functionalized silica materials and their chromatographic applications. <i>Chemical Communications</i> , 2013, 49, 2454.	2.2	40
49	Evaluation of microstructural features of a new polymeric organic stationary phase grafted on silica surface: A paradigm of characterization of HPLC-stationary phases by a combination of suspension-state ¹ H NMR and solid-state ¹³ C-CP/MAS-NMR. <i>Analytica Chimica Acta</i> , 2005, 547, 179-187.	2.6	39
50	Enhancement of molecular shape selectivity by in situ anion-exchange in poly(octadecylimidazolium) silica column. <i>Journal of Chromatography A</i> , 2012, 1232, 116-122.	1.8	39
51	Enhanced Molecular-Shape Selectivity for Polyaromatic Hydrocarbons through Isotropic-to-Crystalline Phase Transition of Poly(octadecyl acrylate). <i>Chemistry Letters</i> , 2001, 30, 1252-1253.	0.7	38
52	Characterization of cellulose microbeads prepared by a viscose-phase-separation method and their chemical modification with acid anhydride. <i>Journal of Applied Polymer Science</i> , 2005, 97, 149-157.	1.3	38
53	Cellulose/boron nitride coreâ€shell microbeads providing high thermal conductivity for thermally conductive composite sheets. <i>RSC Advances</i> , 2016, 6, 33036-33042.	1.7	38
54	A Facile and Specific Approach to New Liquid Chromatography Adsorbents Obtained by Ionic Selfâ€Assembly. <i>Chemistry - A European Journal</i> , 2011, 17, 7288-7297.	1.7	37

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55	High molecular-shape-selective stationary phases for reversed-phase liquid chromatography: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 108, 381-404.	5.8	34
56	Reversible gelation in cyclohexane of pyrene substituted by dialkyl L-glutamide: photophysics of the self-assembled fibrillar network. <i>Journal of Molecular Liquids</i> , 2004, 111, 73-76.	2.3	33
57	Stabilization of enhanced chirality from pyrene-containing L-glutamide lipid in methyl methacrylate by photo-induced polymerization Electronic supplementary information (ESI) available: photograph and fluorescence spectra of Pyr-lipid in PMMA solid sheet. See http://www.rsc.org/suppdata/cc/b3/b316673b/ . <i>Chemical Communications</i> , 2004, , 1122.	2.2	33
58	Poly(4-vinylpyridine) as a reagent with silanol-masking effect for silica and its specific selectivity for PAHs and dinitropyrenes in a reversed phase. <i>Analytica Chimica Acta</i> , 2005, 548, 51-57.	2.6	32
59	Molecular Gelation-Induced Functional Phase Separation in Polymer Film for Energy Transfer Spectral Conversion. <i>Advanced Functional Materials</i> , 2014, 24, 4105-4112.	7.8	32
60	Tunable Stokes shift and circularly polarized luminescence by supramolecular gel. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5970-5975.	2.7	32
61	Calcium ion mediated rapid wound healing by nano-ZnO doped calcium phosphate-chitosan-alginate biocomposites. <i>Materialia</i> , 2020, 13, 100839.	1.3	32
62	Optically active polymer film tuned by a chirally self-assembled molecular organogel. <i>Tetrahedron</i> , 2007, 63, 7489-7494.	1.0	31
63	Molecular Shape Recognition through Self-Assembled Molecular Ordering: Evaluation with Determining Architecture and Dynamics. <i>Analytical Chemistry</i> , 2012, 84, 6577-6585.	3.2	31
64	Gene delivery into human cancer cells by cationic lipid-mediated magnetofection. <i>International Journal of Pharmaceutics</i> , 2013, 446, 87-99.	2.6	31
65	Anionic and cationic copolymerized ionic liquid-grafted silica as a multifunctional stationary phase for reversed-phase chromatography. <i>Analytical Methods</i> , 2014, 6, 469-475.	1.3	30
66	Amphiphilic molecular gels from L-lysine-aminomethylated L-glutamic acid derivatives with unique chiroptical properties. <i>Amino Acids</i> , 2010, 39, 587-597.	1.2	29
67	Silica nanoparticle-crosslinked thermosensitive hybrid hydrogels as potential drug-release carriers. <i>Polymer Journal</i> , 2014, 46, 293-300.	1.3	29
68	Chirally self-assembled porphyrin nanowires assisted by L-glutamide-derived lipid for excitation energy transfer. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2430.	1.5	28
69	Remarkable enhancement of thermal stability of epoxy resin through the incorporation of mesoporous silica micro-filler. <i>Heliyon</i> , 2021, 7, e05959.	1.4	27
70	Novel self-assembling organogelators by combination of a double chain-alkylated L-glutamide and a polymeric head group Electronic supplementary information (ESI) available: table of gel-to-sol transition temperatures for G12-containing polymers; SEM of a xerogel from copoly-G12; temperature dependence of CD spectra of G12-vinyl and copoly-G12; experimental and characterisation data for G12-a, G12-b, G12-vinyl and copoly-G12. See http://www.rsc.org/suppdata/ob/b3/b305928f/ . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 3004.	1.5	26
71	Helical Structures of Conjugate Polymers Created by Oxidative Polymerization Using Synthetic Lipid Assemblies as Templates. <i>Chemistry - A European Journal</i> , 2004, 10, 5067-5075.	1.7	25
72	Highly efficient and switchable electron-transfer system realised by peptide-assisted J-type assembly of porphyrin. <i>Chemical Communications</i> , 2010, 46, 7208.	2.2	24

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73	Noncovalent One-to-One Donor-Acceptor Assembled Systems Based on Porphyrin Molecular Gels for Unusually High Electron-Transfer Efficiency. <i>Chemistry - A European Journal</i> , 2011, 17, 11628-11636.	1.7	24
74	Selective Dynamic Assembly of Disulfide Macrocyclic Helical Foldamers with Remote Communication of Handedness. <i>Angewandte Chemie</i> , 2016, 128, 6962-6966.	1.6	24
75	Facile and Versatile Approach for Generating Circularly Polarized Luminescence by Non-chiral, Low-molecular Dye-on-nanotemplate Composite System. <i>Chemistry Letters</i> , 2016, 45, 448-450.	0.7	24
76	Synthesis and Transfection Efficiency of Cationic Oligopeptide Lipids: Role of Linker. <i>Bioconjugate Chemistry</i> , 2011, 22, 2244-2254.	1.8	23
77	Poly(4-vinylpyridine) as Novel Organic Phase for RP-HPLC. Unique Selectivity for Polycyclic Aromatic Hydrocarbons. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2003, 26, 2491-2503.	0.5	22
78	High retentivity and selectivity for polycyclic aromatic hydrocarbons with poly(4-vinylpyridine)-grafted silica in normal-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2008, 1189, 77-82.	1.8	22
79	Molecular organogel-forming porphyrin derivative with hydrophobic l-glutamide. <i>Tetrahedron Letters</i> , 2008, 49, 3987-3990.	0.7	22
80	Molecular-shape selectivity by molecular gel-forming compounds: bioactive and shape-constrained isomers through the integration and orientation of weak interaction sites. <i>Chemical Communications</i> , 2011, 47, 10341.	2.2	22
81	Informative secondary chiroptics in binary molecular organogel systems for donor-acceptor energy transfer. <i>Tetrahedron Letters</i> , 2011, 52, 4030-4035.	0.7	22
82	Peptide-based surface modified silica particles: adsorption materials for dye-loaded wastewater treatment. <i>RSC Advances</i> , 2013, 3, 23664.	1.7	22
83	Chiral separation by a terminal chirality triggered P-helical quinoline oligoamide foldamer. <i>Journal of Chromatography A</i> , 2016, 1437, 88-94.	1.8	22
84	One-pot preparation of polymer microspheres having wrinkled hard surfaces through self-assembly of silica nanoparticles. <i>Chemical Communications</i> , 2017, 53, 9147-9150.	2.2	22
85	Peculiar nanocomposite hydrogel with controllable multiple thermosensitivity: double phase transition and ternary stable states. <i>Chemical Communications</i> , 2010, 46, 430-432.	2.2	21
86	In situ helicity inversion of self-assembled nano-helices. <i>Chemical Communications</i> , 2015, 51, 3518-3521.	2.2	21
87	Memorized chiral arrangement of gemini surfactant assemblies in nanometric hybrid organic-silica helices. <i>Chemical Communications</i> , 2016, 52, 5800-5803.	2.2	21
88	Versatile chiroptics of peptide-induced assemblies of metalloporphyrins. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1344.	1.5	19
89	Functional organogels from lipophilic L-glutamide derivative immobilized on cyclotriphosphazene core. <i>Journal of Materials Research</i> , 2006, 21, 1274-1278.	1.2	18
90	Preparation, telomerization, immobilization and application of N-alkyl l-phenylalanine-derived polymerizable organogelator for reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2008, 1203, 59-66.	1.8	18

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91	A new peptide-silica bio-inspired stationary phase with an improved approach for hydrophilic interaction liquid chromatography. <i>Analyst</i> , 2012, 137, 4907.	1.7	18
92	pH-Sensitive Hydrogel from Polyethylene Oxide and Acrylic acid by Gamma Radiation. <i>Journal of Composites Science</i> , 2019, 3, 58.	1.4	18
93	Controlled emission enhancement and quenching by self-assembly of low molecular weight thiophene derivatives. <i>Tetrahedron Letters</i> , 2010, 51, 4666-4669.	0.7	17
94	Polymer functionalization by luminescent supramolecular gels. <i>Polymer Journal</i> , 2016, 48, 843-853.	1.3	17
95	Jute cellulose nanocrystal/poly(N,N-dimethylacrylamide-co-3-methacryloxypropyltrimethoxysilane) hybrid hydrogels for removing methylene blue dye from aqueous solution. <i>Journal of Science: Advanced Materials and Devices</i> , 2021, 6, 254-263.	1.5	17
96	Microspherical hydrogel particles based on silica nanoparticle-webbed polymer networks. <i>Journal of Colloid and Interface Science</i> , 2015, 455, 32-38.	5.0	16
97	Preparation of High Refractive Index Composite Films Based on Titanium Oxide Nanoparticles Hybridized Hydrophilic Polymers. <i>Nanomaterials</i> , 2019, 9, 514.	1.9	16
98	Self-Assembled Nanofibrillar Aggregates with Amphiphilic and Lipophilic Molecules. <i>Macromolecular Symposia</i> , 2006, 237, 28-38.	0.4	15
99	A New Route for Preparation of High-density Organic Phase to High Selective HPLC for Polycyclic Aromatic Hydrocarbons by Atom-transfer Radical Polymerization of Octadecyl Acrylate on Silica. <i>Chemistry Letters</i> , 2007, 36, 1460-1461.	0.7	15
100	Surface-initiated living radical polymerization of self-assembling L-phenylalanine-derived monomer from silica for RP-HPLC application. <i>Journal of Polymer Science Part A</i> , 2008, 46, 6664-6671.	2.5	15
101	Molecular shape recognition-structure correlation in a phenylalanine-based polymer-silica composite by surface-initiated atom transfer radical polymerization. <i>Polymer</i> , 2008, 49, 5410-5416.	1.8	15
102	Facile and versatile method for preparing core-shell microspheres with controlled surface structures based on silica particles-monolayer. <i>Materials Chemistry and Physics</i> , 2011, 129, 871-880.	2.0	15
103	Homogenous formation and quaternization of urea-functionalized imidazolyl silane and its immobilization on silica for surface-confined ionic liquid stationary phases. <i>RSC Advances</i> , 2014, 4, 34654-34658.	1.7	15
104	Diocadecyl l-glutamide-derived lipid-grafted silica as a novel organic stationary phase for RP-HPLC. <i>Journal of Chromatography A</i> , 2005, 1074, 223-228.	1.8	14
105	A facile preparation method for self-assembled monolayers with silica particles on polystyrene-based microspheres. <i>Materials Chemistry and Physics</i> , 2009, 114, 1-5.	2.0	14
106	Complete chromatographic separation of steroids, including 17 β - and 17 α -estradiols, using a carbazole-based polymeric organic phase in both reversed and normal-phase HPLC. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 623-629.	1.9	14
107	Supramolecular gel-functionalized polymer films with tunable optical activity. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1480-1483.	2.7	14
108	Development of a regenerative reformer for tar-free syngas production in a steam gasification process. <i>Applied Energy</i> , 2017, 185, 1217-1224.	5.1	14

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109	New Magnetic Polymer Nanocomposites on the Basis of Isotactic Polypropylene and Magnetite Nanoparticles for Adsorption of Ultrahigh Frequency Electromagnetic Waves. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 449-458.	1.9	14
110	Thermodynamic investigations on shape selective separation behaviors of poly(4-vinylpyridine)-grafted silica for polycyclic aromatic hydrocarbons in both normal-phase and reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 3571-3577.	1.8	13
111	A new route for synthesis of N-methylimidazolium-grafted silica stationary phase and reevaluation in hydrophilic interaction liquid chromatography. <i>Talanta</i> , 2017, 164, 137-140.	2.9	13
112	Monodisperse Surface-Charge-Controlled Black Nanoparticles for Near-Infrared Shielding. <i>ACS Applied Nano Materials</i> , 2019, 2, 3597-3605.	2.4	13
113	Molecular-shape selectivity tuned by donor-acceptor type copolymers as organic phase in reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 7433-7439.	1.8	12
114	Polycondensation and Stabilization of Chirally Ordered Molecular Organogels Derived from Alkoxysilyl Group-Containing α -Glutamide Lipid. <i>Langmuir</i> , 2009, 25, 8428-8433.	1.6	12
115	Strategic achievement for the baseline separation of tocopherol isomers by integration of weak interaction sites on alternating copolymer. <i>Analytical Methods</i> , 2011, 3, 1277.	1.3	12
116	Creation of a polymer backbone in lipid bilayer membrane-based nanotubes for morphological and microenvironmental stabilization. <i>RSC Advances</i> , 2014, 4, 33194-33197.	1.7	12
117	Non-conductive, Size-controlled Monodisperse Black Particles Prepared by a One-pot Polymerization and Low-temperature Calcination. <i>Chemistry Letters</i> , 2017, 46, 680-682.	0.7	12
118	A room-temperature phosphorescent polymer film containing a molecular web based on one-dimensional chiral stacking of a simple luminophore. <i>Chemical Communications</i> , 2017, 53, 5044-5047.	2.2	12
119	Chirality induction on non-chiral dye-linked polysilsesquioxane in nanohelical structures. <i>Chemical Communications</i> , 2020, 56, 7241-7244.	2.2	12
120	Retention mechanism of l-glutamide-derived noncrystalline stationary phases in reversed-phase high-performance liquid chromatography and application for separation of nucleic acid constituents. <i>Journal of Chromatography A</i> , 2006, 1119, 105-114.	1.8	11
121	Controllable shape selectivity based on highly ordered carbonyl and methyl groups in simple β -structural polypeptide on silica. <i>Journal of Chromatography A</i> , 2009, 1216, 6170-6176.	1.8	11
122	Incorporation and Template Polymerization of Styrene in Single-walled Bilayer Membrane Nanotubes. <i>Chemistry Letters</i> , 2011, 40, 561-563.	0.7	11
123	Selectivity enhancement for the separation of tocopherols and steroids by integration of highly ordered weak interaction sites along the polymer main chain. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 229-238.	1.9	11
124	Enhancement of Retentivity and Selectivity for PAHs in NP-HPLC by High-density Immobilization of Poly(4-vinylpyridine) as an Organic Phase on Silica. <i>Analytical Sciences</i> , 2008, 24, 615-621.	0.8	10
125	Preparation of multilayered organic-inorganic hybrid core-shell particles by stepwise surface formation. <i>Materials Letters</i> , 2011, 65, 1407-1409.	1.3	10
126	Molecular-shape selective high-performance liquid chromatography: Stabilization effect of polymer main chain by alternating copolymerization. <i>Journal of Chromatography A</i> , 2012, 1232, 183-189.	1.8	10

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127	Chemically tunable cationic polymer-bonded magnetic nanoparticles for gene magnetofection. <i>Journal of Materials Chemistry B</i> , 2014, 2, 644-650.	2.9	10
128	Polymer Effect on Molecular Recognition. Enhancement of Molecular-Shape Selectivity for Polycyclic Aromatic Hydrocarbons by Poly(acrylonitrile). <i>Polymer Journal</i> , 2002, 34, 437-442.	1.3	9
129	Cellulose/TiO ₂ Hybrid Spherical Microbeads Prepared by a Viscose Phase Separation Method: Control of the Distribution of TiO ₂ Particles in a Sphering System. <i>Polymer Journal</i> , 2005, 37, 186-191.	1.3	9
130	Poly(2-N-carbazolyethyl acrylate)-modified silica as a new polymeric stationary phase for reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 7422-7426.	1.8	9
131	Novel Surface-Attachable Multifunctional Initiators: Synthesis, Grafting, and Polymerization in Aprotic and Protic Solvents. <i>Macromolecules</i> , 2009, 42, 4539-4546.	2.2	9
132	Tuning of Molecular Orientation of Porphyrin Assembly According to Monitoring the Chiroptical Signals. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 539, 63/[403]-67/[407].	0.4	9
133	A remarkable enhancement of selectivity towards versatile analytes by a strategically integrated H-bonding site containing phase. <i>Chemical Communications</i> , 2015, 51, 14243-14246.	2.2	9
134	Monodisperse core-shell melamine-formaldehyde polymer-modified silica microspheres prepared using a facile microwave-assisted method. <i>New Journal of Chemistry</i> , 2017, 41, 11517-11520.	1.4	9
135	Facile preparation of an alternating copolymer-based high molecular shape-selective organic phase for reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2018, 1555, 53-61.	1.8	9
136	Preparation and characterization of a novel hydrophilic interaction/ion exchange mixed-mode chromatographic stationary phase with pyridinium-based zwitterionic polymer-grafted porous silica. <i>Journal of Separation Science</i> , 2018, 41, 3957-3965.	1.3	9
137	Fabrication of Carbon-Like, π -Conjugated Organic Layer on a Nano-Porous Silica Surface. <i>Nanomaterials</i> , 2020, 10, 1882.	1.9	9
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