

Makoto Takafuji

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242
papers

4,864
citations

39
h-index

59
g-index

251
ext. papers

5,313
ext. citations

4.3
avg, IF

5.49
L-index

#	Paper	IF	Citations
242	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	9.6	333
241	Functional organogel based on a salicylideneaniline derivative with enhanced fluorescence emission and photochromism. <i>Chemistry - A European Journal</i> , 2007 , 13, 8231-9	4.8	177
240	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	16.4	146
239	Chirality Control of Self-Assembling Organogels from a Lipophilic L-Glutamide Derivative with Metal Chlorides. <i>Langmuir</i> , 2002 , 18, 7120-7123	4	106
238	New poly(ionic liquid)-grafted silica multi-mode stationary phase for anion-exchange/reversed-phase/hydrophilic interaction liquid chromatography. <i>Analyst, The</i> , 2012 , 137, 2553-5	5	104
237	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, 465-9	16.4	81
236	Investigation of pi-pi 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, 5190-6	4.5	80
235	A study of combustion behavior of pulverized coal in high-temperature air. <i>Proceedings of the Combustion Institute</i> , 2002 , 29, 503-509	5.9	80
234	Kinetics of helix-handedness inversion: folding and unfolding in aromatic amide oligomers. <i>ChemPhysChem</i> , 2008 , 9, 1882-90	3.2	72
233	A new imidazolium-embedded C18 stationary phase with enhanced performance in reversed-phase liquid chromatography. <i>Analytica Chimica Acta</i> , 2012 , 738, 95-101	6.6	70
232	Solvent dependence of helix stability in aromatic oligoamide foldamers. <i>Chemical Communications</i> , 2012 ,	5.8	70
231	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	5.8	69
230	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, 1299-301	5.8	68
229	Enantioselective recognition by a highly ordered porphyrin-assembly on a chiral molecular gel. <i>Chemical Communications</i> , 2012 , 48, 4881-3	5.8	64
228	Nanosized hybrid oligoamide foldamers: aromatic templates for the folding of multiple aliphatic units. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8642-8	16.4	64
227	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, 119-27	4.5	63
226	Versatile ligands for high-performance liquid chromatography: An overview of ionic liquid-functionalized stationary phases. <i>Analytica Chimica Acta</i> , 2015 , 887, 1-16	6.6	62

225	Hybrid self-assembly of a pi gelator and fullerene derivative with photoinduced electron transfer for photocurrent generation. <i>Langmuir</i> , 2010 , 26, 6669-75	4	62
224	Self-assembly of a chiral lipid gelator controlled by solvent and speed of gelation. <i>Chemistry - A European Journal</i> , 2009 , 15, 9824-35	4.8	62
223	Effect of photopolymerization on the morphology of helical supramolecular assemblies. <i>Langmuir</i> , 1992 , 8, 1548-1553	4	62
222	Analysis of low NO emission in high temperature air combustion for pulverized coal. <i>Fuel</i> , 2004 , 83, 1133-1141	7.141	59
221	A smart gelator as a chemosensor: application to integrated logic gates in solution, gel, and film. <i>Chemistry - A European Journal</i> , 2012 , 18, 3549-58	4.8	58
220	Programmable responsive shaping behavior induced by visible multi-dimensional gradients of magnetic nanoparticles. <i>Soft Matter</i> , 2012 , 8, 3295	3.6	52
219	Molecular-length and chiral discriminations by beta-structural poly(L-alanine) on silica. <i>Journal of Chromatography A</i> , 2005 , 1073, 169-74	4.5	52
218	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	4.5	50
217	Amplifying emission enhancement and proton response in a two-component gel. <i>Langmuir</i> , 2013 , 29, 417-25	4	50
216	Synthesis, self-assembling properties, and atom transfer radical polymerization of an alkylated L-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, 1312-21	4.8	49
215	Molecular shape selectivity through multiple carbonyl-pi interactions with noncrystalline solid phase for RP-HPLC. <i>Analytical Chemistry</i> , 2005 , 77, 6671-81	7.8	49
214	Solvent-dependent photophysical and anion responsive properties of one glutamide gelator. <i>Soft Matter</i> , 2011 , 7, 8296	3.6	48
213	A novel approach to magneto-responsive polymeric gels assisted by iron nanoparticles as nano cross-linkers. <i>Chemical Communications</i> , 2008 , 2124-6	5.8	47
212	Selective Dynamic Assembly of Disulfide Macrocyclic Helical Foldamers with Remote Communication of Handedness. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6848-52	16.4	45
211	A sulfonic-azobenzene-grafted silica amphiphilic material: a versatile stationary phase for mixed-mode chromatography. <i>Chemistry - A European Journal</i> , 2013 , 19, 18004-10	4.8	44
210	Detection of highly oriented aggregation of L-glutamic acid-derived lipids in dilute organic solution. <i>Liquid Crystals</i> , 1999 , 26, 1021-1027	2.3	44
209	Thermosensitive hybrid hydrogels with silica nanoparticle-cross-linked polymer networks. <i>Journal of Colloid and Interface Science</i> , 2013 , 405, 109-17	9.3	43
208	Strategy for preparation of hybrid polymer hydrogels using silica nanoparticles as multifunctional crosslinking points. <i>Chemical Communications</i> , 2011 , 47, 1024-6	5.8	43

207	Design of C18 Organic Phases with Multiple Embedded Polar Groups for Ultraversatile Applications with Ultrahigh Selectivity. <i>Analytical Chemistry</i> , 2015 , 87, 6614-21	7.8	41
206	Functional organic gels Chirality induction through formation of highly-oriented structure. <i>Liquid Crystals</i> , 1995 , 18, 97-99	2.3	41
205	Chiral colloids: homogeneous suspension of individualized SiO ₂ helical and twisted nanoribbons. <i>ACS Nano</i> , 2014 , 8, 6863-72	16.7	39
204	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	5.8	39
203	Selectivity enhancement of diastereomer separation in RPLC using crystalline-organic phase-bonded silica. <i>Chromatographia</i> , 2002 , 56, 19-23	2.1	39
202	Anion response of organogels: dependence on intermolecular interactions between gelators. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 1840-7	3.9	38
201	Synthesis and in vitro evaluation of glutamide-containing cationic lipids for gene delivery. <i>Bioconjugate Chemistry</i> , 2006 , 17, 1530-6	6.3	38
200	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	6.6	38
199	Enhancement of molecular shape selectivity by in situ anion-exchange in poly(octadecylimidazolium) silica column. <i>Journal of Chromatography A</i> , 2012 , 1232, 116-22	4.5	37
198	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	1.7	37
197	Direct Observation of Siloxane Chirality on Twisted and Helical Nanometric Amorphous Silica. <i>Nano Letters</i> , 2016 , 16, 6411-6415	11.5	37
196	Polyanionic and polyzwitterionic azobenzene ionic liquid-functionalized silica materials and their chromatographic applications. <i>Chemical Communications</i> , 2013 , 49, 2454-6	5.8	36
195	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, 3320-8	7.8	36
194	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	3.6	35
193	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	2.9	33
192	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	8.5	32
191	A facile and specific approach to new liquid chromatography adsorbents obtained by ionic self-assembly. <i>Chemistry - A European Journal</i> , 2011 , 17, 7288-97	4.8	32
190	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	6	31

189	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	6.6	31
188	Cellulose/boron nitride core-shell microbeads providing high thermal conductivity for thermally conductive composite sheets. <i>RSC Advances</i> , 2016 , 6, 33036-33042	3.7	30
187	Molecular Gelation-Induced Functional Phase Separation in Polymer Film for Energy Transfer Spectral Conversion. <i>Advanced Functional Materials</i> , 2014 , 24, 4105-4112	15.6	29
186	Stabilization of enhanced chirality from pyrene-containing l-glutamide lipid in methyl methacrylate by photo-induced polymerization. <i>Chemical Communications</i> , 2004 , 1122-3	5.8	29
185	Optically active polymer film tuned by a chirally self-assembled molecular organogel. <i>Tetrahedron</i> , 2007 , 63, 7489-7494	2.4	28
184	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	3.2	26
183	Molecular shape recognition through self-assembled molecular ordering: evaluation with determining architecture and dynamics. <i>Analytical Chemistry</i> , 2012 , 84, 6577-85	7.8	26
182	Chirally self-assembled porphyrin nanowires assisted by L-glutamide-derived lipid for excitation energy transfer. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 2430-4	3.9	26
181	Silica nanoparticle-crosslinked thermosensitive hybrid hydrogels as potential drug-release carriers. <i>Polymer Journal</i> , 2014 , 46, 293-300	2.7	25
180	Gene delivery into human cancer cells by cationic lipid-mediated magnetofection. <i>International Journal of Pharmaceutics</i> , 2013 , 446, 87-99	6.5	25
179	Tunable Stokes shift and circularly polarized luminescence by supramolecular gel. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5970-5975	7.1	25
178	Amphiphilic molecular gels from omega-aminoalkylated L-glutamic acid derivatives with unique chiroptical properties. <i>Amino Acids</i> , 2010 , 39, 587-97	3.5	24
177	Helical structures of conjugate polymers created by oxidative polymerization using synthetic lipid assemblies as templates. <i>Chemistry - A European Journal</i> , 2004 , 10, 5067-75	4.8	24
176	Novel self-assembling organogelators by combination of a double chain-alkylated L-glutamide and a polymeric head group. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 3004-6	3.9	24
175	Selective Dynamic Assembly of Disulfide Macrocylic Helical Foldamers with Remote Communication of Handedness. <i>Angewandte Chemie</i> , 2016 , 128, 6962-6966	3.6	24
174	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, 11628-36	4.8	23
173	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	4.5	22
172	Molecular organogel-forming porphyrin derivative with hydrophobic l-glutamide. <i>Tetrahedron Letters</i> , 2008 , 49, 3987-3990	2	22

171	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	1.7	21
170	Synthesis and transfection efficiency of cationic oligopeptide lipids: role of linker. <i>Bioconjugate Chemistry</i> , 2011 , 22, 2244-54	6.3	21
169	Highly efficient and switchable electron-transfer system realised by peptide-assisted J-type assembly of porphyrin. <i>Chemical Communications</i> , 2010 , 46, 7208-10	5.8	21
168	Informative secondary chiroptics in binary molecular organogel systems for donor-acceptor energy transfer. <i>Tetrahedron Letters</i> , 2011 , 52, 4030-4035	2	20
167	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	1.3	20
166	Chiral separation by a terminal chirality triggered P-helical quinoline oligoamide foldamer. <i>Journal of Chromatography A</i> , 2016 , 1437, 88-94	4.5	19
165	In situ helicity inversion of self-assembled nano-helices. <i>Chemical Communications</i> , 2015 , 51, 3518-21	5.8	19
164	Peculiar nanocomposite hydrogel with controllable multiple thermosensitivity: double phase transition and ternary stable states. <i>Chemical Communications</i> , 2010 , 46, 430-2	5.8	19
163	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, 10341-3	5.8	19
162	High molecular-shape-selective stationary phases for reversed-phase liquid chromatography: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 108, 381-404	14.6	19
161	A new peptide-silica bio-inspired stationary phase with an improved approach for hydrophilic interaction liquid chromatography. <i>Analyst, The</i> , 2012 , 137, 4907-9	5	18
160	Peptide-based surface modified silica particles: adsorption materials for dye-loaded wastewater treatment. <i>RSC Advances</i> , 2013 , 3, 23664	3.7	18
159	Versatile chiroptics of peptide-induced assemblies of metalloporphyrins. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 1344-50	3.9	18
158	One-pot preparation of polymer microspheres having wrinkled hard surfaces through self-assembly of silica nanoparticles. <i>Chemical Communications</i> , 2017 , 53, 9147-9150	5.8	17
157	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	4.5	17
156	Functional organogels from lipophilic L-glutamide derivative immobilized on cyclotriphosphazene core. <i>Journal of Materials Research</i> , 2006 , 21, 1274-1278	2.5	16
155	Memorized chiral arrangement of gemini surfactant assemblies in nanometric hybrid organic-silica helices. <i>Chemical Communications</i> , 2016 , 52, 5800-3	5.8	15
154	Controlled emission enhancement and quenching by self-assembly of low molecular weight thiophene derivatives. <i>Tetrahedron Letters</i> , 2010 , 51, 4666-4669	2	15

153	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
152	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	3.9	15
151	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		14
150	Polymer functionalization by luminescent supramolecular gels. <i>Polymer Journal</i> , 2016 , 48, 843-853	2.7	14
149	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	1.7	14
148	Microspherical hydrogel particles based on silica nanoparticle-webbed polymer networks. <i>Journal of Colloid and Interface Science</i> , 2015 , 455, 32-8	9.3	13
147	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	4.4	13
146	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 , 1211, 2571-7	4.5	13
145	Complete chromatographic separation of steroids, including 17alpha and 17beta-estradiols, using a carbazole-based polymeric organic phase in both reversed and normal-phase HPLC. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 623-9	4.4	13
144	Self-Assembled Nanofibrillar Aggregates with Amphiphilic and Lipophilic Molecules. <i>Macromolecular Symposia</i> , 2006 , 237, 28-38	0.8	13
143	Calcium ion mediated rapid wound healing by nano-ZnO doped calcium phosphate-chitosan-alginate biocomposites. <i>Materialia</i> , 2020 , 13, 100839	3.2	13
142	Preparation of High Refractive Index Composite Films Based on Titanium Oxide Nanoparticles Hybridized Hydrophilic Polymers. <i>Nanomaterials</i> , 2019 , 9,	5.4	12
141	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	4.4	12
140	Diocadecyl L-glutamide-derived lipid-grafted silica as a novel organic stationary phase for RP-HPLC. <i>Journal of Chromatography A</i> , 2005 , 1074, 223-8	4.5	12
139	Development of a regenerative reformer for tar-free syngas production in a steam gasification process. <i>Applied Energy</i> , 2017 , 185, 1217-1224	10.7	11
138	Monodisperse Surface-Charge-Controlled Black Nanoparticles for Near-Infrared Shielding. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3597-3605	5.6	11
137	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 ¹¹	3.7	11
136	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	6.2	11

135	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	3.2	11
134	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, 7433-9	4.5	11
133	Controllable shape selectivity based on highly ordered carbonyl and methyl groups in simple beta-structural polypeptide on silica. <i>Journal of Chromatography A</i> , 2009 , 1216, 6170-6	4.5	11
132	Polycondensation and stabilization of chirally ordered molecular organogels derived from alkoxy-silyl group-containing L-glutamide lipid. <i>Langmuir</i> , 2009 , 25, 8428-33	4	11
131	Supramolecular gel-functionalized polymer films with tunable optical activity. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1480-1483	7.1	10
130	Chemically tunable cationic polymer-bonded magnetic nanoparticles for gene magnetofection. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 644-650	7.3	10
129	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, 229-38	4.4	10
128	Incorporation and Template Polymerization of Styrene in Single-walled Bilayer Membrane Nanotubes. <i>Chemistry Letters</i> , 2011 , 40, 561-563	1.7	10
127	Preparation of multilayered organic/inorganic hybrid core/shell particles by stepwise surface formation. <i>Materials Letters</i> , 2011 , 65, 1407-1409	3.3	10
126	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, 615-21	1.7	10
125	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	1.7	9
124	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 ^{5.8}	5.8	9
123	Chirality induction on non-chiral dye-linked polysilsesquioxane in nanohelical structures. <i>Chemical Communications</i> , 2020 , 56, 7241-7244	5.8	9
122	Preparation of novel chitosan/poly (ethylene glycol)/ZnO bionanocomposite for wound healing application: Effect of gentamicin loading. <i>Materialia</i> , 2020 , 12, 100785	3.2	9
121	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, 7422-6	4.5	9
120	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	2.7	9
119	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, 105-14	4.5	9
118	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	2.7	9

117	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	4.2	9
116	pH-Sensitive Hydrogel from Polyethylene Oxide and Acrylic acid by Gamma Radiation. <i>Journal of Composites Science</i> , 2019 , 3, 58	3	8
115	A remarkable enhancement of selectivity towards versatile analytes by a strategically integrated H-bonding site containing phase. <i>Chemical Communications</i> , 2015 , 51, 14243-6	5.8	8
114	Creation of a polymer backbone in lipid bilayer membrane-based nanotubes for morphological and microenvironmental stabilization. <i>RSC Advances</i> , 2014 , 4, 33194-33197	3.7	8
113	Molecular-shape selective high-performance liquid chromatography: stabilization effect of polymer main chain by alternating copolymerization. <i>Journal of Chromatography A</i> , 2012 , 1232, 183-9	4.5	8
112	Novel Surface-Attachable Multifunctional Initiators: Synthesis, Grafting, and Polymerization in Aprotic and Protic Solvents. <i>Macromolecules</i> , 2009 , 42, 4539-4546	5.5	8
111	Conformational effect of silica-supported poly(octadecyl acrylate) on molecular-shape selectivity of polycyclic aromatic hydrocarbons in RP-HPLC. <i>Analytical Sciences</i> , 2004 , 20, 1681-5	1.7	8
110	Iron metal induced deoxygenation of graphite oxide nanosheets-insights on the capacitive properties of binder-free electrodes. <i>RSC Advances</i> , 2015 , 5, 23367-23373	3.7	7
109	Modeling of optimum size and shape for high photovoltaic performance of poly(3-hexylthiophene) nanopore in interdigitated bilayer organic solar cells. <i>Organic Electronics</i> , 2016 , 28, 59-66	3.5	7
108	Tuning of the molecular packing structure of comb-shaped polymer-grafted silica by using surface-initiated ATRP to enhance the molecular-shape selectivity towards polycyclic aromatic hydrocarbons. <i>European Polymer Journal</i> , 2009 , 45, 1811-1819	5.2	7
107	Self-assembling fullerene derivatives for energy transfer in molecular gel system. <i>Journal of Physics: Conference Series</i> , 2009 , 159, 012016	0.3	7
106	[1.1]meta-Stilbenophanes as calixarene analogs: preparation, crystal structure, and cis/trans photoisomerization. <i>Tetrahedron Letters</i> , 2007 , 48, 9051-9055	2	7
105	Relationship between Formation of Helical Bilayer Membranes and Chemical Structures of Dialkyl Amphiphiles with Poly peptide-Head Groups.. <i>Kobunshi Ronbunshu</i> , 1991 , 48, 327-334	0	7
104	Remarkable enhancement of thermal stability of epoxy resin through the incorporation of mesoporous silica micro-filler. <i>Heliyon</i> , 2021 , 7, e05959	3.6	7
103	One-pot green process for surface layering with nanodiamonds on polymer microspheres. <i>Journal of Supercritical Fluids</i> , 2017 , 127, 217-222	4.2	6
102	Manipulation of discrete porphyrinfullerene nanopillar arrays regulated by the phase separated infiltration of polymer in ternary blended organic thin-films. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 140, 428-438	6.4	6
101	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	4.5	6
100	A Facile and Green Method to Prepare Conductive Carbon-coated Polymer Microspheres Using Supercritical Carbon Dioxide. <i>Chemistry Letters</i> , 2016 , 45, 92-94	1.7	6

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98	Copolymer-grafted silica phase from a cation-anion monomer pair for enhanced separation in reversed-phase liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 3507-15	4.4	6
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