

Makoto Takafuji

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Chemical redox-induced chiroptical switching of supramolecular assemblies of viologens.. <i>RSC Advances</i> , 2022 , 12, 2019-2025	3.7	1
241	Functionalized aluminum oxide by immobilization of totally organic aromatic polymer spherical nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 640, 128438	5.1	1
240	Preparation of chitosan/laterite/iron oxide-based biocomposite and its application as a potential adsorbent for the removal of methylene blue from aqueous solution. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022 , 17, 100658	3.3	0
239	Fabrication of naphthol-based phenolic polymer coated-silica for mixed-mode chromatography. <i>Journal of Chromatography Open</i> , 2022 , 2, 100028		0
238	Selective reflection enhancement by controlling of surface-layering structure of inorganic nanoparticles on polymer microspheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 637, 128188	5.1	0
237	Advanced CNC/PEG/PDMAA Semi-IPN Hydrogel for Drug Delivery Management in Wound Healing. <i>Gels</i> , 2022 , 8, 340	4.2	1
236	Nanomaterial Hybridized Hydrogels as a Potential Adsorbent for Toxic Remediation of Substances from Wastewater 2022 , 365-393		0
235	Temperature depending bioelectrocatalysis current of multicopper oxidase from a hyperthermophilic archaeon <i>Pyrobaculum aerophilum</i> . <i>Electrochemistry Communications</i> , 2021 , 125, 106982	5.1	1
234	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
233	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
232	Thermally stable high-contrast iridescent structural colours from silica colloidal crystals doped with monodisperse spherical black carbon particles. <i>Materials Advances</i> , 2021 , 2, 5935-5941	3.3	0
231	Hetero-network hydrogels crosslinked with silica nanoparticles for strategic control of thermal responsive property. <i>Soft Matter</i> , 2021 , 17, 4615-4622	3.6	2
230	Selectivity enhancement for the separation of shape-constrained isomers by particle size-derived molecular ordering and density in reversed-phase liquid chromatography. <i>Separation Science Plus</i> , 2021 , 4, 296-304	1.1	
229	Supramolecular assembly of glutamide attached terpyridine-lanthanide complex with enhanced chirality and high fluorescence quantum yield. <i>Chemical Physics Letters</i> , 2021 , 781, 138968	2.5	
228	Efficient extraction of quaternary ammonium alkaloids based on E-conjugated polymer coated porous silica adsorbent. <i>Chemical Engineering Journal</i> , 2021 , 426, 131061	14.7	0
227	Lanthanide ion-doped silica nanohelix: a helical inorganic network acts as a chiral source for metal ions. <i>Chemical Communications</i> , 2021 , 57, 4392-4395	5.8	3
226	Chirality induction on non-chiral dye-linked polysilsesquioxane in nanohelical structures. <i>Chemical Communications</i> , 2020 , 56, 7241-7244	5.8	9

225	Multi-chiro-informative System Created by a Porphyrin-Functionalized Chiral Molecular Assembly. <i>Chemistry Letters</i> , 2020 , 49, 368-371	1.7	2
224	Polymer encapsulation and stabilization of molecular gel-based chiroptical information for strong, tunable circularly polarized luminescence film. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 8732-8735	7.1	5
223	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
222	Spherical filler-promoting thermally conductive pathway in graphite-containing polymer composites for high heat radiation. <i>Journal of Polymer Science</i> , 2020 , 58, 607-615	2.4	2
221	Fabrication of Carbon-Like, π -Conjugated Organic Layer on a Nano-Porous Silica Surface. <i>Nanomaterials</i> , 2020 , 10,	5.4	3
220	Extreme enhancement of secondary chirality through coordination-driven steric changes of terpyridyl ligand in glutamide-based molecular gels.. <i>RSC Advances</i> , 2020 , 10, 29627-29632	3.7	1
219	Calcium ion mediated rapid wound healing by nano-ZnO doped calcium phosphate-chitosan-alginate biocomposites. <i>Materialia</i> , 2020 , 13, 100839	3.2	13
218	Fabrication of Fluorescent One-dimensional-nanocomposites through One-pot Self-assembling Polymerization on Nano-helical Silica. <i>Chemistry Letters</i> , 2019 , 48, 1088-1091	1.7	4
217	pH-Sensitive Hydrogel from Polyethylene Oxide and Acrylic acid by Gamma Radiation. <i>Journal of Composites Science</i> , 2019 , 3, 58	3	8
216	Emission-Color Control in Polymer Films by Memorized Fluorescence Solvatochromism in a New Class of Totally Organic Fluorescent Nanogel Particles. <i>Chemistry - A European Journal</i> , 2019 , 25, 10141-10148	4.8	3
215	Preparation of High Refractive Index Composite Films Based on Titanium Oxide Nanoparticles Hybridized Hydrophilic Polymers. <i>Nanomaterials</i> , 2019 , 9,	5.4	12
214	Monodisperse Surface-Charge-Controlled Black Nanoparticles for Near-Infrared Shielding. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3597-3605	5.6	11
213	L-Lysine-derived highly selective stationary phases for hydrophilic interaction chromatography: Effect of chain length on selectivity, efficiency, resolution, and asymmetry. <i>Separation Science Plus</i> , 2019 , 2, 42-50	1.1	3
212	Reduced Graphene Oxide (rGO) Prepared by Metal-Induced Reduction of Graphite Oxide: Improved Conductive Behavior of a Poly(methyl methacrylate) (PMMA)/rGO Composite. <i>ChemistrySelect</i> , 2019 , 4, 7954-7958	1.8	4
211	Supramolecular Web and Application for Chiroptical Functionalization of Polymer 2019 , 297-337		0
210	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
209	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
208	Enhancement of Thermal Stability and Selectivity by Introducing Aminotriazine Comonomer to Poly(Octadecyl Acrylate)-Grafted Silica as Chromatography Matrix. <i>Separations</i> , 2018 , 5, 15	3.1	1

207	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	3.4	6
206	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
205	Generation of strong circularly polarized luminescence induced by chiral organogel based on L-glutamide. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 92, 58-62	5.3	1
204	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
203	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
202	Facile Preparation of Transparent and High Refractive Index Polymer Composites by Polymerization of Monomer Tungstic Acid Mixtures. <i>Chemistry Letters</i> , 2017 , 46, 489-491	1.7	2
201	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
200	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
199	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
198	Facile preparation of high refractive index polymer films composited with a tungstophosphoric acid. <i>Materials Letters</i> , 2017 , 190, 236-239	3.3	5
197	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	9
196	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
195	Fabrication of Hollow Silica Microspheres with Orderly Hemispherical Protrusions and Capability for Heat-Induced Controlled Cracking. <i>Langmuir</i> , 2017 , 33, 10679-10689	4	3
194	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	3.6	6
193	Non-chiral Polymer-induced Chirality Enhancement in Lipidic Nanotube-based Hydrogel System. <i>Chemistry Letters</i> , 2017 , 46, 1466-1469	1.7	3
192	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
191	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
190	Novel Black Organic Phase for Ultra Selective Retention by Surface Modification of Porous Silica. <i>Chemistry Letters</i> , 2017 , 46, 1233-1236	1.7	4

189	A Hetero-network Hydrogel With Self-assembled Nanofibers as Multiple-crosslinkers and Its Liquid-crystal-driven Healing Properties. <i>Colloids and Interface Science Communications</i> , 2017 , 19, 9-13	5.4	5
188	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
187	Synthesis and characterization of hybrid composite aerogels from alginic acid and graphene oxide. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 206, 012053	0.4	3
186	Transparent Polymer Films Functionally-Webbed with Glutamide-Based Supramolecular Gels and Their Optical Applications. <i>Kobunshi Ronbunshu</i> , 2016 , 73, 30-41	0	1
185	A novel photosensitizer: An l-glutamide lipid conjugate with improved properties for photodynamic therapy. <i>Photochemical and Photobiological Sciences</i> , 2016 , 15, 1476-1483	4.2	5
184	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
183	Tuning of Separation Mode Using Pyridinium Salt-branched Ionic Polymer-grafted Silica as Stationary Phase in HPLC. <i>Chemistry Letters</i> , 2016 , 45, 13-15	1.7	2
182	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
181	Meso to Macroporous Microspheres Fabricated by Polymerization of Nanosilica with Polymeric Crosslinker. <i>Chemistry Letters</i> , 2016 , 45, 1159-1161	1.7	
180	Polymer functionalization by luminescent supramolecular gels. <i>Polymer Journal</i> , 2016 , 48, 843-853	2.7	14
179	Reappraising the validity of poly(3-hexylthiophene) nanostructures in interdigitated bilayer organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 147, 68-74	6.4	2
178	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
177	Memorized chiral arrangement of gemini surfactant assemblies in nanometric hybrid organic-silica helices. <i>Chemical Communications</i> , 2016 , 52, 5800-3	5.8	15
176	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
175	Effects of Alignment of Weak Interaction Sites in Molecular Shape Recognition High-Performance Liquid Chromatography. <i>Separations</i> , 2016 , 3, 25	3.1	
174	Selective Dynamic Assembly of Disulfide Macrocyclic Helical Foldamers with Remote Communication of Handedness. <i>Angewandte Chemie</i> , 2016 , 128, 6962-6966	3.6	24
173	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
172	Titelbild: Selective Dynamic Assembly of Disulfide Macrocyclic Helical Foldamers with Remote Communication of Handedness (Angew. Chem. 24/2016). <i>Angewandte Chemie</i> , 2016 , 128, 6907-6907	3.6	

171	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
170	Hybrid mesoporous microspheres from aqueous droplets containing a silica nanoparticle-polymer network in a W/O suspension. <i>RSC Advances</i> , 2016 , 6, 42756-42762	3.7	4
169	Direct Observation of Siloxane Chirality on Twisted and Helical Nanometric Amorphous Silica. <i>Nano Letters</i> , 2016 , 16, 6411-6415	11.5	37
168	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
167	An L-lysine derived organogelator-based stationary phase for mixed-mode liquid chromatography. <i>Analytical Methods</i> , 2015 , 7, 3320-3323	3.2	2
166	Supramolecular gel-functionalized polymer films with tunable optical activity. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1480-1483	7.1	10
165	Manipulation of discrete porphyrin-fullerene 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
164	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
163	Effects of substitution groups of glutamide-derived molecular gels on molecular shape recognition. <i>Journal of Chromatography A</i> , 2015 , 1392, 56-62	4.5	4
162	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
161	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
160	Development of a Novel Reformer for Tar-free Syngas Production. <i>Energy Procedia</i> , 2015 , 75, 246-251	2.3	3
159	Porous silica particles grafted with an amphiphilic side-chain polymer as a stationary phase in reversed-phase high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2015 , 38, 2403-13	3.4	6
158	Tunable Stokes shift and circularly polarized luminescence by supramolecular gel. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5970-5975	7.1	25
157	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
156	Chemical mechanical polishing of transparent conductive layers using spherical cationic polymer microbeads. <i>Thin Solid Films</i> , 2015 , 576, 31-37	2.2	3
155	In situ helicity inversion of self-assembled nano-helices. <i>Chemical Communications</i> , 2015 , 51, 3518-21	5.8	19
154	Chemically tunable cationic polymer-bonded magnetic nanoparticles for gene magnetofection. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 644-650	7.3	10

153	A new L-lysine derived highly molecular-shape selective organic phase with ordered functional groups for reversed-phase liquid chromatography. <i>Analytical Methods</i> , 2014 , 6, 5459	3.2	3
152	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
151	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
150	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 ^{3,7} 34658 ¹¹		
149	Multi-mode chromatographic evaluation of a new lysine-silica stationary phase for high-performance liquid chromatography. <i>Analytical Methods</i> , 2014 , 6, 7674-7680	3.2	3
148	Silica nanoparticle-crosslinked thermosensitive hybrid hydrogels as potential drug-release carriers. <i>Polymer Journal</i> , 2014 , 46, 293-300	2.7	25
147	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
146	Highly hydrophilic and nonionic poly(2-vinylloxazoline)-grafted silica: a novel organic phase for high-selectivity hydrophilic interaction chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 4585-93	4.4	6
145	Molecular orientation of gel forming compounds and their effect on molecular-shape selectivity in liquid chromatography. <i>Journal of Chromatography A</i> , 2014 , 1324, 149-54	4.5	5
144	Chiral colloids: homogeneous suspension of individualized SiO ₂ helical and twisted nanoribbons. <i>ACS Nano</i> , 2014 , 8, 6863-72	16.7	39
143	Photoelectrochemical performance of DSSC with monodisperse and polydisperse ZnO SPs 2014 ,		5
142	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
141	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
140	Gene delivery into human cancer cells by cationic lipid-mediated magnetofection. <i>International Journal of Pharmaceutics</i> , 2013 , 446, 87-99	6.5	25
139	Anion response of organogels: dependence on intermolecular interactions between gelators. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 1840-7	3.9	38
138	Polyanionic and polyzwitterionic azobenzene ionic liquid-functionalized silica materials and their chromatographic applications. <i>Chemical Communications</i> , 2013 , 49, 2454-6	5.8	36
137	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
136	Amplifying emission enhancement and proton response in a two-component gel. <i>Langmuir</i> , 2013 , 29, 417-25	4	50

135	Peptide-based surface modified silica particles: adsorption materials for dye-loaded wastewater treatment. <i>RSC Advances</i> , 2013 , 3, 23664	3.7	18
134	Functional Phase Separation in Polymer/Monomer Composite Film: Controlled Induction of Pyrene Orientation. <i>Chemistry Letters</i> , 2013 , 42, 1297-1299	1.7	6
133	Prediction of Heat Recovery Characteristics of Oxyfuel Combustion Boiler Using CFD 2013 , 1303-1309		1
132	Fundamental Study of the Pulverized Coal Char Combustion in Oxyfuel Mode with Drop Tube Furnace 2013 , 605-609		
131	Organic Thin Layer of Molecular Gel-forming Glutamide Lipid on Silica Particles for Practical Application to Molecular Recognition. <i>Chemistry Letters</i> , 2012 , 41, 181-183	1.7	2
130	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
129	Enantioselective recognition by a highly ordered porphyrin-assembly on a chiral molecular gel. <i>Chemical Communications</i> , 2012 , 48, 4881-3	5.8	64
128	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
127	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
126	Effect of High Density Poly (Vinyl Octadecanoate) Grafted Silica Stationary Phase on Physicochemical Properties and Shape Selectivity Enhancement of Polycyclic Aromatic Hydrocarbons (PAHs) in RP-HPLC. <i>Separation Science and Technology</i> , 2012 , 47, 621-629	2.5	
125	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
124	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
123	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
122	Programmable responsive shaping behavior induced by visible multi-dimensional gradients of magnetic nanoparticles. <i>Soft Matter</i> , 2012 , 8, 3295	3.6	52
121	Solvent dependence of helix stability in aromatic oligoamide foldamers. <i>Chemical Communications</i> , 2012 ,	5.8	70
120	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
119	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
118	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

117	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
116	Amino-acid-based, lipid-directed, in situ synthesis and fabrication of gold nanoparticles on silica: a metamaterial framework with pronounced catalytic activity. <i>Nanotechnology</i> , 2012 , 23, 495301	3.4	4
115	Synthesis and transfection efficiency of cationic oligopeptide lipids: role of linker. <i>Bioconjugate Chemistry</i> , 2011 , 22, 2244-54	6.3	21
114	Incorporation and Template Polymerization of Styrene in Single-walled Bilayer Membrane Nanotubes. <i>Chemistry Letters</i> , 2011 , 40, 561-563	1.7	10
113	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
112	Preparation of multilayered organic-organic hybrid core-shell particles by stepwise surface formation. <i>Materials Letters</i> , 2011 , 65, 1407-1409	3.3	10
111	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
110	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
109	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
108	Solvent-dependent photophysical and anion responsive properties of one glutamide gelator. <i>Soft Matter</i> , 2011 , 7, 8296	3.6	48
107	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
106	Highly Oriented Donor-Acceptor Molecules within Electrospun Nanofibers. <i>Molecular Crystals and Liquid Crystals</i> , 2011 , 539, 40/[380]-44/[384]	0.5	
105	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
104	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]	0.5	6
103	Informative secondary chiroptics in binary molecular organogel systems for donor-acceptor energy transfer. <i>Tetrahedron Letters</i> , 2011 , 52, 4030-4035	2	20
102	Synthesis, Characterization and Enhanced Selectivity in RP-HPLC of Polar Carbonyl Group Embedded Poly (Vinyl Octadecanoate) Grafted Stationary Phase by Simple Heterogeneous "Graft from" Technique. <i>Bulletin of the Korean Chemical Society</i> , 2011 , 32, 77-82	1.2	1
101	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
100	Enclosure of Secondary Chirality Based on Highly-Oriented Lipid Aggregates into a Polymer Sheet by Photo-Induced Polymerization of Polymerizable Monomer Gels. <i>Macromolecular Symposia</i> , 2010 , 291-292, 330-336	0.8	3

99	Versatile chiroptics of peptide-induced assemblies of metalloporphyrins. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 1344-50	3.9	18
98	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
97	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
96	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
95	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
94	Ultrastrong Gravity-induced Unusual Reactivity in Radical Addition of Bromotrichloromethane to Ethyl Cinnamate. <i>Chemistry Letters</i> , 2010 , 39, 174-175	1.7	3
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