

Qian Wang

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.

232
papers

13,349
citations

58
h-index

108
g-index

256
ext. papers

14,405
ext. citations

7.3
avg, IF

6.23
L-index

#	Paper	IF	Citations
232	Nanopore sensing of β -cyclodextrin induced host-guest interaction to reverse the binding of perfluorooctanoic acid to human serum albumin. <i>Proteomics</i> , 2021 , e2100058	4.8	0
231	Using Small Molecules to Enhance P450 OleT Enzyme Activity in Situ. <i>Chemistry - A European Journal</i> , 2021 , 27, 8940-8945	4.8	0
230	Structure-based design, synthesis of novel probes for cytochrome P450 OleT. <i>Chinese Chemical Letters</i> , 2021 , 32, 1466-1469	8.1	0
229	Cell-free chemoenzymatic starch synthesis from carbon dioxide. <i>Science</i> , 2021 , 373, 1523-1527	33.3	50
228	N-Terminal Derivatization-Assisted Identification of Individual Amino Acids Using a Biological Nanopore Sensor. <i>ACS Sensors</i> , 2020 , 5, 1707-1716	9.2	7
227	Enhanced P450 fatty acid decarboxylase catalysis by glucose oxidase coupling and co-assembly for biofuel generation. <i>Bioresource Technology</i> , 2020 , 311, 123538	11	5
226	Enabling nanopore technology for sensing individual amino acids by a derivatization strategy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 6792-6797	7.3	7
225	Microfluidic-assisted polymer-protein assembly to fabricate homogeneous functional nanoparticles. <i>Materials Science and Engineering C</i> , 2020 , 111, 110768	8.3	19
224	Nanopore Fabrication and Application as Biosensors in Neurodegenerative Diseases. <i>Critical Reviews in Biomedical Engineering</i> , 2020 , 48, 29-62	1.1	3
223	A hydrogen sulfide-releasing alginate dressing for effective wound healing. <i>Acta Biomaterialia</i> , 2020 , 104, 85-94	10.8	39
222	Automating Complex, Multistep Processes on a Single Robotic Platform to Generate Reproducible Phosphoproteomic Data. <i>SLAS Discovery</i> , 2020 , 25, 277-286	3.4	2
221	Development of nanotubes coated with platinum nanodendrites using a virus as a template. <i>Nanotechnology</i> , 2020 , 31, 015502	3.4	3
220	Novel HS-Releasing hydrogel for wound repair via in situ polarization of M2 macrophages. <i>Biomaterials</i> , 2019 , 222, 119398	15.6	64
219	Artificial Cellulosome Complex from the Self-Assembly of Ni-NTA-Functionalized Polymeric Micelles and Cellulases. <i>ChemBioChem</i> , 2019 , 20, 1394-1399	3.8	13
218	pH and enzyme dual-responsive release of hydrogen sulfide for disc degeneration therapy. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 611-618	7.3	16
217	Enhanced Bone Defect Repair by Polymeric Substitute Fillers of MultiArm Polyethylene Glycol-Crosslinked Hyaluronic Acid Hydrogels. <i>Macromolecular Bioscience</i> , 2019 , 19, e1900021	5.5	5
216	Nanotopographical Cues Mediate Osteogenesis of Stem Cells on Virus Substrates through BMP-2 Intermediate. <i>Nano Letters</i> , 2019 , 19, 8372-8380	11.5	24

215	Enhanced Arylamine N-Oxygenase Activity of Polymer-Enzyme Assemblies by Facilitating Electron-Transferring Efficiency. <i>Biomacromolecules</i> , 2018 , 19, 918-925	6.9	4
214	Self-assembled supramolecular systems for bone engineering applications. <i>Current Opinion in Colloid and Interface Science</i> , 2018 , 35, 104-111	7.6	9
213	Tobacco Mosaic Virus with Peroxidase-Like Activity for Cancer Cell Detection through Colorimetric Assay. <i>Molecular Pharmaceutics</i> , 2018 , 15, 2946-2953	5.6	15
212	Upregulation of osteogenesis of mesenchymal stem cells with virus-based thin films. <i>Nanotheranostics</i> , 2018 , 2, 42-58	5.6	7
211	Fabrication of Plant Virus-Based Thin Films to Modulate the Osteogenic Differentiation of Mesenchymal Stem Cells. <i>Methods in Molecular Biology</i> , 2018 , 1776, 609-627	1.4	1
210	Chemical modification of enveloped viruses for biomedical applications. <i>Integrative Biology (United Kingdom)</i> , 2018 , 10, 666-679	3.7	4
209	A dielectric affinity glucose microsensor using hydrogel-functionalized coplanar electrodes. <i>Microfluidics and Nanofluidics</i> , 2017 , 21, 1	2.8	2
208	Polymer-Protein Core-Shell Nanoparticles for Enhanced Antigen Immunogenicity. <i>ACS Macro Letters</i> , 2017 , 6, 442-446	6.6	14
207	Influence of Cross-Linkers on the in Vitro Chondrogenesis of Mesenchymal Stem Cells in Hyaluronic Acid Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 3318-3329	9.5	21
206	One-step assembly of multi-layered structures with orthogonally oriented stripe-like patterns on the surface of a capillary tube. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 23719-23722	3.6	3
205	Shear flow induced long-range ordering of rod-like viral nanoparticles within hydrogel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 158, 620-626	6	17
204	pH and Thermal Dual-Responsive Nanoparticles for Controlled Drug Delivery with High Loading Content. <i>ACS Omega</i> , 2017 , 2, 3399-3405	3.9	50
203	Chiral Assemblies from an Achiral Pyridinium-Tailored Anthracene. <i>Chemistry - A European Journal</i> , 2017 , 23, 1422-1426	4.8	10
202	Development of Core-Shell Nanostructures by In Situ Assembly of Pyridine-Grafted Diblock Copolymer and Transferrin for Drug Delivery Applications. <i>Biomacromolecules</i> , 2016 , 17, 2321-8	6.9	23
201	Surface patterned hydrogel film as a flexible scaffold for 2D and 3D cell co-culture. <i>RSC Advances</i> , 2016 , 6, 61185-61189	3.7	12
200	A hydrogel-based glucose affinity microsensor. <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 992-998	8.5	16
199	Promotion of In Vitro Chondrogenesis of Mesenchymal Stem Cells Using In Situ Hyaluronic Hydrogel Functionalized with Rod-Like Viral Nanoparticles. <i>Biomacromolecules</i> , 2016 , 17, 1930-8	6.9	32
198	Adhesive peptides conjugated PAMAM dendrimer as a coating polymeric material enhancing cell responses. <i>Chinese Chemical Letters</i> , 2016 , 27, 1473-1478	8.1	11

197	Effect of Roughness on in Situ Biomaterialized CaP-Collagen Coating on the Osteogenesis of Mesenchymal Stem Cells. <i>Langmuir</i> , 2016 , 32, 1808-17	4	32
196	Thiol-ene crosslinking polyamidoamine dendrimer-hyaluronic acid hydrogel system for biomedical applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016 , 27, 743-57	3.5	16
195	Influence of Surface Topographical Cues on the Differentiation of Mesenchymal Stem Cells in Vitro. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 142-151	5.5	117
194	Synthesis of self-assembled IL-1Ra-presenting nanoparticles for the treatment of osteoarthritis. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 595-599	5.4	20
193	Tobacco Mosaic Virus Functionalized Alginate Hydrogel Scaffolds for Bone Regeneration in Rats with Cranial Defect. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 606-615	5.5	26
192	Nanoparticles as Drug Delivery Vehicles 2016 , 299-335		1
191	Integration of poly(3-hexylthiophene) conductive stripe patterns with 3D tubular structures for tissue engineering applications. <i>RSC Advances</i> , 2016 , 6, 72519-72524	3.7	6
190	Novel HS Releasing Nanofibrous Coating for In Vivo Dermal Wound Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27474-27481	9.5	49
189	Development of phenylboronic acid-functionalized nanoparticles for emodin delivery. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 3840-3847	7.3	20
188	Genetically Engineered Plant Viral Nanoparticles Direct Neural Cells Differentiation and Orientation. <i>Langmuir</i> , 2015 , 31, 9402-9	4	8
187	Synthesis of PAMAM dendrimer-based fast cross-linking hydrogel for biofabrication. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015 , 26, 669-82	3.5	20
186	Self-assembly of large-scale P3HT patterns by confined evaporation in the capillary tube. <i>RSC Advances</i> , 2015 , 5, 20491-20497	3.7	13
185	Development of large-scale size-controlled adult pancreatic progenitor cell clusters by an inkjet-printing technique. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11624-30	9.5	9
184	Virus-templated FRET platform for the rational design of ratiometric fluorescent nanosensors. <i>Chemical Communications</i> , 2015 , 51, 10190-3	5.8	25
183	Effects of Peptide Immobilization Sites on the Structure and Activity of Surface-Tethered Antimicrobial Peptides. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 7146-7155	3.8	48
182	Aligned Electroactive TMV Nanofibers as Enabling Scaffold for Neural Tissue Engineering. <i>Biomacromolecules</i> , 2015 , 16, 3466-72	6.9	29
181	Large-scale highly ordered hierarchical structures of conjugated polymer via self-assembly from mixed solvents. <i>RSC Advances</i> , 2015 , 5, 76472-76475	3.7	6
180	Biological thiols-triggered hydrogen sulfide releasing microfibers for tissue engineering applications. <i>Acta Biomaterialia</i> , 2015 , 27, 205-213	10.8	40

179	Plant virus incorporated hydrogels as scaffolds for tissue engineering possess low immunogenicity in vivo. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 887-95	5.4	32
178	Enhancing Antibody Response against Small Molecular Hapten with Tobacco Mosaic Virus as a Polyvalent Carrier. <i>ChemBioChem</i> , 2015 , 16, 1279-83	3.8	6
177	Virus Nanoparticles Mediated Osteogenic Differentiation of Bone Derived Mesenchymal Stem Cells. <i>Advanced Science</i> , 2015 , 2, 1500026	13.6	20
176	HOXB7 promotes malignant progression by activating the TGF β signaling pathway. <i>Cancer Research</i> , 2015 , 75, 709-19	10.1	40
175	Virus-based scaffolds for tissue engineering applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2015 , 7, 534-47	9.2	14
174	Caged peptides to control enzymatic activity within hydrogel scaffolds. <i>ChemBioChem</i> , 2014 , 15, 787-8	3.8	2
173	Nrf2 enhances myocardial clearance of toxic ubiquitinated proteins. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 72, 305-15	5.8	39
172	Viral nanoparticles as antigen carriers: influence of shape on humoral immune responses in vivo. <i>RSC Advances</i> , 2014 , 4, 23017-23021	3.7	6
171	Emodin attenuates systemic and liver inflammation in hyperlipidemic mice administrated with lipopolysaccharides. <i>Experimental Biology and Medicine</i> , 2014 , 239, 1025-1035	3.7	31
170	Emulsions stabilized by mini cyclic proteins for bioactive compound delivery. <i>RSC Advances</i> , 2014 , 4, 48000-48003	3.7	3
169	Robust nonenzymatic hybrid nanoelectrocatalysts for signal amplification toward ultrasensitive electrochemical cytosensing. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2288-91	16.4	168
168	Revisit of a series of ICT fluorophores: skeletal characterization, structural modification, and spectroscopic behavior. <i>Tetrahedron</i> , 2014 , 70, 5872-5877	2.4	9
167	A differential dielectric affinity glucose sensor. <i>Lab on A Chip</i> , 2014 , 14, 294-301	7.2	17
166	Facile co-assembly process to generate core-shell nanoparticles with functional protein corona. <i>Biomacromolecules</i> , 2014 , 15, 948-56	6.9	40
165	Microsheets assembled from pyridinium-tailored anthracenes. <i>Tetrahedron</i> , 2014 , 70, 6651-6655	2.4	7
164	Dual stimuli-responsive supramolecular hydrogel of bionanoparticles and hyaluronan. <i>Polymer Chemistry</i> , 2014 , 5, 6754-6760	4.9	30
163	Self-assembly of pyridinium-functionalized anthracenes: molecular-skeleton-directed formation of microsheets and microtubes. <i>Chemistry - A European Journal</i> , 2014 , 20, 7603-7	4.8	19
162	RGD-conjugated rod-like viral nanoparticles on 2D scaffold improve bone differentiation of mesenchymal stem cells. <i>Frontiers in Chemistry</i> , 2014 , 2, 31	5	37

161	Charge-transfer interactions for the fabrication of multifunctional viral nanoparticles. <i>Chemical Communications</i> , 2014 , 50, 14125-8	5.8	14
160	Self-assembly of pyridinium-tailored anthracene amphiphiles into supramolecular hydrogels. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 2880-4	4.5	12
159	Dual responsive supramolecular amphiphiles: guest molecules dictate the architecture of pyridinium-tailored anthracene assemblies. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 4820-3	3.9	11
158	Nanoengineered particles for enhanced intra-articular retention and delivery of proteins. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1562-7, 1525	10.1	42
157	A MEMS Dielectric Affinity Glucose Biosensor. <i>Journal of Microelectromechanical Systems</i> , 2013 , 23, 14-20.5		8
156	Expansion of breast cancer stem cells with fibrous scaffolds. <i>Integrative Biology (United Kingdom)</i> , 2013 , 5, 768-77	3.7	57
155	In vivo virus-based macrofluorogenic probes target azide-labeled surface glycans in MCF-7 breast cancer cells. <i>Molecular Pharmaceutics</i> , 2013 , 10, 43-50	5.6	7
154	Incorporation of azide sugar analogue decreases tumorigenic potential of breast cancer cells by reducing cancer stem cell population. <i>Science China Chemistry</i> , 2013 , 56, 279-285	7.9	3
153	Facile method for large scale alignment of one dimensional nanoparticles and control over myoblast orientation and differentiation. <i>ACS Nano</i> , 2013 , 7, 8385-96	16.7	54
152	Self-assembly of rodlike virus to superlattices. <i>Langmuir</i> , 2013 , 29, 12777-84	4	12
151	Single-molecule force spectroscopy study on the mechanism of RNA disassembly in tobacco mosaic virus. <i>Biophysical Journal</i> , 2013 , 105, 2790-800	2.9	16
150	A supramolecular strategy to assemble multifunctional viral nanoparticles. <i>Chemical Communications</i> , 2013 , 49, 9678-80	5.8	30
149	Crystallization, structural diversity and anisotropy effects in 2D arrays of icosahedral viruses. <i>Soft Matter</i> , 2013 , 9, 9633-42	3.6	10
148	An acid catalyzed reversible ring-opening/ring-closure reaction involving a cyano-rhodamine spirolactam. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 1805-9	3.9	58
147	Biomolecular assembly of thermoresponsive superlattices of the tobacco mosaic virus with large tunable interparticle distances. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6638-42	16.4	38
146	Polyoxometalate-biomolecule conjugates: a new approach to create hybrid drugs for cancer therapeutics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 1462-6	2.9	68
145	A Combined Experimental and Computational Study of the Substituent Effect on Micellar Behavior of Substituted Thermoresponsive Amphiphilic Poly(E-caprolactone)s. <i>Macromolecules</i> , 2013 , 46, 4829-4838	5.5	36
144	A MEMS differential viscometric sensor for affinity glucose detection in continuous glucose monitoring. <i>Journal of Micromechanics and Microengineering</i> , 2013 , 23, 55020	2	16

143	Nonlinear growth kinetics of breast cancer stem cells: implications for cancer stem cell targeted therapy. <i>Scientific Reports</i> , 2013 , 3, 2473	4.9	32
142	Poly(2-vinylpyridine)-block -Poly(ϵ -caprolactone) single crystals in micellar solution. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1067-71	4.8	54
141	Biomolecular Assembly of Thermoresponsive Superlattices of the Tobacco Mosaic Virus with Large Tunable Interparticle Distances. <i>Angewandte Chemie</i> , 2013 , 125, 6770-6774	3.6	5
140	Charge-transfer interaction mediated organogels from 18 β -glycyrrhetic acid appended pyrene. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 2877-85	2.5	20
139	Unlocking the 1,2,3-triazole ring using mechanical force. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2006-7	16.4	4
138	Tuning the optical properties of BODIPY dye through Cu(I) catalyzed azide-alkyne cycloaddition (CuAAC) reaction. <i>Science China Chemistry</i> , 2012 , 55, 125-130	7.9	15
137	Assembly of Virus Particles and Virus-like Particles as Templates for Biomedical Applications. <i>ACS Symposium Series</i> , 2012 , 21-56	0.4	1
136	Controlled evaporative self-assembly of poly(3-hexylthiophene) monitored with confocal polarized Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 16286-93	3.6	18
135	A plant virus substrate induces early upregulation of BMP2 for rapid bone formation. <i>Integrative Biology (United Kingdom)</i> , 2012 , 4, 651-60	3.7	41
134	Guiding plant virus particles to integrin-displaying cells. <i>Nanoscale</i> , 2012 , 4, 3698-705	7.7	45
133	Discrimination of colon cancer stem cells using noncanonical amino acid. <i>Chemical Communications</i> , 2012 , 48, 9035-7	5.8	2
132	Thermally controlled release of anticancer drug from self-assembled β -substituted amphiphilic poly(ϵ -caprolactone) micellar nanoparticles. <i>Biomacromolecules</i> , 2012 , 13, 2163-73	6.9	110
131	Nonionic block copolymers assemble on the surface of protein bionanoparticle. <i>Langmuir</i> , 2012 , 28, 11957-61	4	12
130	Multivalent ligand displayed on plant virus induces rapid onset of bone differentiation. <i>Molecular Pharmaceutics</i> , 2012 , 9, 2121-5	5.6	24
129	Electrospun fibrous scaffolds promote breast cancer cell alignment and epithelial-mesenchymal transition. <i>Langmuir</i> , 2012 , 28, 2028-34	4	70
128	Mutant plant viruses with cell binding motifs provide differential adhesion strengths and morphologies. <i>Biomacromolecules</i> , 2012 , 13, 422-31	6.9	36
127	Porous alginate hydrogel functionalized with virus as three-dimensional scaffolds for bone differentiation. <i>Biomacromolecules</i> , 2012 , 13, 3949-58	6.9	51
126	Polyvalent display of RGD motifs on turnip yellow mosaic virus for enhanced stem cell adhesion and spreading. <i>Acta Biomaterialia</i> , 2012 , 8, 2978-85	10.8	26

125	Natural supramolecular building blocks: from virus coat proteins to viral nanoparticles. <i>Chemical Society Reviews</i> , 2012 , 41, 6178-94	58.5	147
124	Copper-catalyzed ortho-acylation of phenols with aryl aldehydes and its application in one-step preparation of xanthenes. <i>Chemical Communications</i> , 2012 , 48, 11256-8	5.8	60
123	Construction of glycoprotein multilayers using the layer-by-layer assembly technique. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17954		18
122	Tobacco mosaic virus as a new carrier for tumor associated carbohydrate antigens. <i>Bioconjugate Chemistry</i> , 2012 , 23, 1694-703	6.3	61
121	Breast tumour initiating cell fate is regulated by microenvironmental cues from an extracellular matrix. <i>Integrative Biology (United Kingdom)</i> , 2012 , 4, 897-904	3.7	12
120	Öffnen des 1,2,3-Triazolrings mithilfe mechanischer Kräfte. <i>Angewandte Chemie</i> , 2012 , 124, 2046-2047	3.6	2
119	Dynamische 3D-Musterung biochemischer Auslöser durch photoinduzierte bioorthogonale Reaktionen. <i>Angewandte Chemie</i> , 2012 , 124, 4076-4078	3.6	1
118	Dynamic 3D patterning of biochemical cues by using photoinduced bioorthogonal reactions. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4004-5	16.4	5
117	Continuous monitoring of glucose in subcutaneous tissue using microfabricated differential affinity sensors. <i>Journal of Diabetes Science and Technology</i> , 2012 , 6, 1436-44	4.1	3
116	Preparation of nanoporous polyimide thin films via layer-by-layer self-assembly of cowpea mosaic virus and poly(amic acid). <i>Thin Solid Films</i> , 2011 , 519, 7712-7716	2.2	3
115	Self-assembly of viral particles. <i>Current Opinion in Colloid and Interface Science</i> , 2011 , 16, 441-450	7.6	42
114	Altering the landscape of viruses and bionanoparticles. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 6189-95	3.9	35
113	Inhibition of amyloid- β aggregation by coumarin analogs can be manipulated by functionalization of the aromatic center. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 2596-602	3.4	75
112	M13 bacteriophage-polymer nanoassemblies as drug delivery vehicles. <i>Nano Research</i> , 2011 , 4, 483-493	10	63
111	Self-assembly of anisotropic tobacco mosaic virus nanoparticles on gold substrate. <i>Science China Chemistry</i> , 2011 , 54, 137-143	7.9	7
110	Synthesis and electron microscopic analysis of the self-assembly of polymer and ferritin core-shell structures. <i>Microscopy Research and Technique</i> , 2011 , 74, 636-41	2.8	5
109	Electrospinning fabrication, structural and mechanical characterization of rod-like virus-based composite nanofibers. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8550		39
108	Systematic approach to electrostatically induced 2D crystallization of nanoparticles at liquid interfaces. <i>Soft Matter</i> , 2011 , 7, 939-945	3.6	19

107	Lost history versus good science. <i>Nature Chemistry</i> , 2011 , 3, 832-3	17.6	
106	Chemoselective modification of turnip yellow mosaic virus by Cu(I) catalyzed azide-alkyne 1,3-dipolar cycloaddition reaction and its application in cell binding. <i>Bioconjugate Chemistry</i> , 2011 , 22, 58-66	6.3	31
105	Visualizing cell extracellular matrix (ECM) deposited by cells cultured on aligned bacteriophage M13 thin films. <i>Langmuir</i> , 2011 , 27, 9490-6	4	29
104	Self-assembly of virus particles on flat surfaces via controlled evaporation. <i>Langmuir</i> , 2011 , 27, 1398-4024		36
103	Role of electrostatic interactions in two-dimensional self-assembly of tobacco mosaic viruses on cationic lipid monolayers. <i>Journal of Colloid and Interface Science</i> , 2011 , 358, 497-505	9.3	7
102	Synthesis and development of poly(N-hydroxyethyl acrylamide)-ran-3-acrylamidophenylboronic acid polymer fluid for potential application in affinity sensing of glucose. <i>Journal of Diabetes Science and Technology</i> , 2011 , 5, 1060-7	4.1	9
101	Characterization of sparstolonin B, a Chinese herb-derived compound, as a selective Toll-like receptor antagonist with potent anti-inflammatory properties. <i>Journal of Biological Chemistry</i> , 2011 , 286, 26470-9	5.4	85
100	Fluorogenic "click" reaction for labeling and detection of DNA in proliferating cells. <i>BioTechniques</i> , 2010 , 49, 525-7	2.5	25
99	Chemical modification of M13 bacteriophage and its application in cancer cell imaging. <i>Bioconjugate Chemistry</i> , 2010 , 21, 1369-77	6.3	137
98	Controlled assembly of protein in glass capillary. <i>Langmuir</i> , 2010 , 26, 12803-9	4	23
97	Pulling genetic RNA out of tobacco mosaic virus using single-molecule force spectroscopy. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11036-8	16.4	55
96	Fluorogenic click reaction. <i>Chemical Society Reviews</i> , 2010 , 39, 1233-9	58.5	256
95	Viruses and their potential in bioimaging and biosensing applications. <i>Analyst, The</i> , 2010 , 135, 21-7	5	60
94	Tobacco mosaic virus based thin film sensor for detection of volatile organic compounds. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5715		36
93	A dielectric affinity microbiosensor. <i>Applied Physics Letters</i> , 2010 , 96, 033701	3.4	22
92	Chemical conjugation of cowpea mosaic viruses with reactive HPMA-based polymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010 , 21, 1669-85	3.5	2
91	Synthesis and characterization of thermally responsive Pluronic F127-chitosan nanocapsules for controlled release and intracellular delivery of small molecules. <i>ACS Nano</i> , 2010 , 4, 6747-59	16.7	134
90	The synergistic effects of multivalent ligand display and nanotopography on osteogenic differentiation of rat bone marrow stem cells. <i>Biomaterials</i> , 2010 , 31, 5813-24	15.6	86

89	Polymer-virus core-shell structures prepared via co-assembly and template synthesis methods. <i>Science China Chemistry</i> , 2010 , 53, 71-77	7.9	14
88	Crosslinking of viral nanoparticles with clickable fluorescent crosslinkers at the interface. <i>Science China Chemistry</i> , 2010 , 53, 1287-1293	7.9	5
87	Ferritin Polymer Conjugates: Grafting Chemistry and Integration into Nanoscale Assemblies. <i>Advanced Functional Materials</i> , 2010 , 20, 3603-3612	15.6	35
86	Self-Assembly of Rodlike Bio-nanoparticles in Capillary Tubes. <i>Angewandte Chemie</i> , 2010 , 122, 880-884	3.6	26
85	Synthese von Nano-/Mikrostrukturen an fluiden Grenzflächen. <i>Angewandte Chemie</i> , 2010 , 122, 10250-10255	3.6	26
84	Herstellung virusähnlicher Teilchen mit hydrophobem Kern durch einen hierarchischen Aufbauprozess. <i>Angewandte Chemie</i> , 2010 , 122, 10246-10248	3.6	
83	Self-assembly of rodlike bio-nanoparticles in capillary tubes. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 868-72	16.4	91
82	Synthesis of nano/microstructures at fluid interfaces. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 10052-66	16.4	174
81	A hierarchical assembly process to engineer a hydrophobic core for virus-like particles. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 10048-50	16.4	13
80	A novel rearrangement of fluorescent human thymidylate synthase inhibitor analogues in ESI tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 403-10	3.5	20
79	Regulation of osteogenic differentiation of rat bone marrow stromal cells on 2D nanorod substrates. <i>Biomaterials</i> , 2010 , 31, 1732-41	15.6	118
78	A capacitively based MEMS affinity glucose sensor 2009 ,		2
77	Comparative study of inhibition at multiple stages of amyloid-beta self-assembly provides mechanistic insight. <i>Molecular Pharmacology</i> , 2009 , 76, 405-13	4.3	20
76	7-Diethylamino-3(2'-benzoxazolyl)-coumarin is a novel microtubule inhibitor with antimitotic activity in multidrug resistant cancer cells. <i>Biochemical Pharmacology</i> , 2009 , 77, 1773-9	6	43
75	Viruses and virus-like protein assemblies: Chemically programmable nanoscale building blocks. <i>Nano Research</i> , 2009 , 2, 349-364	10	106
74	Synthesis and characterization of bionanoparticle-silica composites and mesoporous silica with large pores. <i>Nano Research</i> , 2009 , 2, 474-483	10	32
73	Mammaglobin as a potential molecular target for breast cancer drug delivery. <i>Cancer Cell International</i> , 2009 , 9, 8	6.4	20
72	Metal ion detection using a fluorogenic click reaction. <i>Tetrahedron Letters</i> , 2009 , 50, 7032-7034	2	17

71	A MEMS affinity glucose sensor using a biocompatible glucose-responsive polymer. <i>Sensors and Actuators B: Chemical</i> , 2009 , 140, 603-609	8.5	63
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