

Guangyan Qing

List of Publications by Citations

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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.

125
papers

2,995
citations

29
h-index

49
g-index

135
ext. papers

3,642
ext. citations

9
avg, IF

5.7
L-index

#	Paper	IF	Citations
125	Functional biointerface materials inspired from nature. <i>Chemical Society Reviews</i> , 2011 , 40, 2909-21	58.5	228
124	Biomimetic smart interface materials for biological applications. <i>Advanced Materials</i> , 2011 , 23, H57-77	24	225
123	How many lithium ions can be inserted onto fused C6 aromatic ring systems?. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5147-51	16.4	214
122	Chiral biointerface materials. <i>Chemical Society Reviews</i> , 2012 , 41, 1972-84	58.5	145
121	Chiral effect at protein/graphene interface: a bioinspired perspective to understand amyloid formation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10736-42	16.4	86
120	Nucleotide-responsive wettability on a smart polymer surface. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8370-1	16.4	81
119	Chirality-triggered wettability switching on a smart polymer surface. <i>Advanced Materials</i> , 2011 , 23, 1615-20	20	77
118	Plasmonic and Photothermal Immunoassay via Enzyme-Triggered Crystal Growth on Gold Nanostars. <i>Analytical Chemistry</i> , 2019 , 91, 2086-2092	7.8	73
117	Solvent-driven chiral-interaction reversion for organogel formation. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2124-9	16.4	64
116	Enantioselective Fluorescent Sensors for Chiral Carboxylates Based on Calix[4]arenes Bearing an L-Tryptophan Unit. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 1768-1778	3.2	54
115	Fluorescent sensors for amino acid anions based on calix[4]arenes bearing two dansyl groups. <i>Tetrahedron: Asymmetry</i> , 2005 , 16, 1527-1534		52
114	Hydrogen bond based smart polymer for highly selective and tunable capture of multiply phosphorylated peptides. <i>Nature Communications</i> , 2017 , 8, 461	17.4	51
113	Recent advancements in polyethyleneimine-based materials and their biomedical, biotechnology, and biomaterial applications. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 2951-2973	7.3	51
112	Calix[4]arene-Based Chromogenic Chemosensor for the β -Phenylglycine Anion: Synthesis and Chiral Recognition. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 1574-1580	3.2	49
111	Recent advances in hydrophilic interaction liquid chromatography materials for glycopeptide enrichment and glycan separation. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 124, 115570	14.6	49
110	Three-dimensional capillary ratchet-induced liquid directional steering. <i>Science</i> , 2021 , 373, 1344-1348	33.3	49
109	The transformation of chiral signals into macroscopic properties of materials using chirality-responsive polymers. <i>NPG Asia Materials</i> , 2012 , 4, e4-e4	10.3	47

108	Dual-responsive gold nanoparticles for colorimetric recognition and testing of carbohydrates with a dispersion-dominated chromogenic process. <i>Advanced Materials</i> , 2013 , 25, 749-54	24	47
107	Saccharide-sensitive wettability switching on a smart polymer surface. <i>Soft Matter</i> , 2009 , 5, 2759	3.6	47
106	Dynamic biointerfaces: from recognition to function. <i>Small</i> , 2015 , 11, 1097-112	11	45
105	Robust Slippery Liquid-Infused Porous Network Surfaces for Enhanced Anti-icing/Deicing Performance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 25471-25477	9.5	44
104	Chirality-driven wettability switching and mass transfer. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 930-2	16.4	34
103	Synthesis and chiral recognition of novel chiral fluorescence receptors bearing 9-anthryl moieties. <i>Tetrahedron: Asymmetry</i> , 2005 , 16, 833-839		34
102	Spatially controlled DNA nanopatterns by "click" chemistry using oligonucleotides with different anchoring sites. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15228-32	16.4	33
101	Smart surface of water-induced superhydrophobicity. <i>Chemical Communications</i> , 2009 , 2658-60	5.8	33
100	New Opportunities and Challenges of Smart Polymers in Post-Translational Modification Proteomics. <i>Advanced Materials</i> , 2017 , 29, 1604670	24	32
99	Bioinspired Saccharide-Saccharide Interaction and Smart Polymer for Specific Enrichment of Sialylated Glycopeptides. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13294-302	9.5	32
98	Variation of the Contact Time of Droplets Bouncing on Cylindrical Ridges with Ridge Size. <i>Langmuir</i> , 2017 , 33, 7583-7587	4	29
97	Enantioselective recognition by optically active chiral fluorescence sensors bearing amino acid units. <i>Tetrahedron: Asymmetry</i> , 2005 , 16, 3042-3048		29
96	Smart drug release systems based on stimuli-responsive polymers. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013 , 13, 1369-80	3.2	29
95	Stimuli-Directed Helical Chirality Inversion and Bio-Applications. <i>Polymers</i> , 2016 , 8,	4.5	29
94	Naked-eye Enantioselective chemosensors for N-protected amino acid anions bearing thiourea units. <i>Chirality</i> , 2009 , 21, 363-73	2.1	28
93	Solvent-Driven Chiral-Interaction Reversion for Organogel Formation. <i>Angewandte Chemie</i> , 2014 , 126, 2156-2161	3.6	26
92	Dipeptide-Based Carbohydrate Receptors and Polymers for Glycopeptide Enrichment and Glycan Discrimination. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22084-92	9.5	25
91	Efficient enrichment of glycopeptides using phenylboronic acid polymer brush modified silica microspheres. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 2276-2281	7.3	24

90	Sensitive fluorescent sensors for malate based on calix[4]arene bearing anthracene. <i>Tetrahedron: Asymmetry</i> , 2006 , 17, 3144-3151		24
89	Functional Nanochannels for Sensing Tyrosine Phosphorylation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16324-16333	16.4	23
88	Biosynthesized Quantum Dot for Facile and Ultrasensitive Electrochemical and Electrochemiluminescence Immunoassay. <i>Analytical Chemistry</i> , 2020 , 92, 1598-1604	7.8	22
87	Smart bio-separation materials. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 124, 115585	14.6	21
86	Superhydrophobic porous networks for enhanced droplet shedding. <i>Scientific Reports</i> , 2016 , 6, 33817	4.9	20
85	Droplet Asymmetric Bouncing on Inclined Superhydrophobic Surfaces. <i>ACS Omega</i> , 2019 , 4, 12238-12243	3.9	19
84	Novel chiral fluorescent macrocyclic receptors: synthesis and recognition for amino acid anions. <i>Tetrahedron: Asymmetry</i> , 2006 , 17, 2143-2148		19
83	Highly selective and sensitive detection of trinitrotoluene by framework-enhanced fluorescence of gold nanoclusters. <i>Analytica Chimica Acta</i> , 2020 , 1106, 133-138	6.6	18
82	Sialic Acid-Targeted Biointerface Materials and Bio-Applications. <i>Polymers</i> , 2017 , 9,	4.5	18
81	Surface Stiffness--a Parameter for Sensing the Chirality of Saccharides. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 27223-33	9.5	18
80	Chromogenic Chemosensors for N-Acetylaspartate Based on Chiral Ferrocene-Bearing Thiourea Derivatives. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 841-849	3.2	18
79	Chemoselectivity of Pristine Cellulose Nanocrystal Films Driven by Carbohydrate-Carbohydrate Interactions. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13114-13122	9.5	17
78	High-Efficiency Phosphopeptide and Glycopeptide Simultaneous Enrichment by Hydrogen Bond-based Bifunctional Smart Polymer. <i>Analytical Chemistry</i> , 2020 , 92, 6269-6277	7.8	17
77	Developing an Inositol-Phosphate-Actuated Nanochannel System by Mimicking Biological Calcium Ion Channels. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 32554-32564	9.5	17
76	Directional Droplet Transport Mediated by Circular Groove Arrays. Part I: Experimental Findings. <i>Langmuir</i> , 2020 , 36, 9608-9615	4	17
75	Highly selective fluorescent recognition of phenyl amino alcohol based on ferrocenyl macrocyclic derivatives. <i>Tetrahedron: Asymmetry</i> , 2009 , 20, 575-583		16
74	Biomimetic nanochannels for the discrimination of sialylated glycans a tug-of-war between glycan binding and polymer shrinkage. <i>Chemical Science</i> , 2019 , 11, 748-756	9.4	16
73	Click Reaction for Reversible Encapsulation of Single Yeast Cells. <i>ACS Nano</i> , 2019 , 13, 14459-14467	16.7	16

72	Exploring the role of molecular chirality in the photo-responsiveness of dipeptide-based gels. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3163-3171	7.3	15
71	Multi-Objective Optimizations of Biodegradable Polymer Stent Structure and Stent Microinjection Molding Process. <i>Polymers</i> , 2017 , 9,	4.5	15
70	New approach for chiral separation: from polysaccharide-based materials to chirality-responsive polymers. <i>Science China Chemistry</i> , 2014 , 57, 1492-1506	7.9	15
69	Novel chiral fluorescent chemosensors for malate and acidic amino acids based on two-arm thiourea and amide. <i>Canadian Journal of Chemistry</i> , 2008 , 86, 170-176	0.9	15
68	Bright Triplet Self-Trapped Excitons to Dopant Energy Transfer in Halide Double-Perovskite Nanocrystals. <i>Nano Letters</i> , 2021 , 21, 8671-8678	11.5	15
67	Droplet dynamics on slippery surfaces: small droplet, big impact. <i>Biosurface and Biotribology</i> , 2019 , 5, 35-45	1	13
66	Chiral Fluorescent Receptors based on Amino Acid Unit: Synthesis and Their Enantioselective Recognition. <i>Supramolecular Chemistry</i> , 2007 , 19, 403-409	1.8	13
65	A novel aggregation-induced emission enhancement triggered by the assembly of a chiral gelator: from non-emissive nanofibers to emissive micro-loops. <i>Chemical Communications</i> , 2016 , 53, 447-450	5.8	12
64	Smart polymer-based calcium-ion self-regulated nanochannels by mimicking the biological Ca ²⁺ -induced Ca ²⁺ release process. <i>NPG Asia Materials</i> , 2019 , 11,	10.3	12
63	What Is Hidden Behind Schiff Base Hydrolysis? Dynamic Covalent Chemistry for the Precise Capture of Sialylated Glycans. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7627-7637	16.4	12
62	Horizontal Motion of a Superhydrophobic Substrate Affects the Drop Bouncing Dynamics. <i>Physical Review Letters</i> , 2021 , 126, 234503	7.4	12
61	Highly selective fluorescent recognition of amino alcohol based on chiral calix[4]arenes bearing L-tryptophan unit. <i>Supramolecular Chemistry</i> , 2008 , 20, 635-641	1.8	11
60	Faceted and Circular Droplet Spreading on Hierarchical Superhydrophobic Surfaces. <i>Langmuir</i> , 2020 , 36, 534-539	4	11
59	Visible and Reversible Restrict of Molecular Configuration by Copper Ion and Pyrophosphate. <i>ACS Sensors</i> , 2020 , 5, 2438-2447	9.2	11
58	Highly Strong and Solvent-Resistant Cellulose Nanocrystal Photonic Films for Optical Coatings. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 17118-17128	9.5	11
57	Protein/Peptide Aggregation and Amyloidosis on Biointerfaces. <i>Materials</i> , 2016 , 9,	3.5	11
56	Supramolecular Coordination-Directed Reversible Regulation of Protein Activities at Epigenetic DNA Marks. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15842-15849	16.4	11
55	Directional Droplet Transport Mediated by Circular Groove Arrays. Part II: Theory of Effect. <i>Langmuir</i> , 2021 , 37, 1948-1953	4	11

54	cAMP-modulated biomimetic ionic nanochannels based on a smart polymer. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 3710-3715	7.3	10
53	Disaccharide-driven transition of macroscopic properties: from molecular recognition to glycopeptide enrichment. <i>Chemical Communications</i> , 2015 , 51, 16111-4	5.8	10
52	Online Identification of Nonlinear Stochastic Spatiotemporal System With Multiplicative Noise by Robust Optimal Control-Based Kernel Learning Method. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 389-404	10.3	10
51	Chiral polymer-based biointerface materials. <i>Science China Chemistry</i> , 2014 , 57, 540-551	7.9	9
50	Calix[4]arene-Based Enantioselective Fluorescent Sensors for the Recognition of N-Acetyl-aspartate. <i>Chinese Journal of Chemistry</i> , 2008 , 26, 721-728	4.9	9
49	CO ₂ electrolysis at industrial current densities using anion exchange membrane based electrolyzers. <i>Science China Chemistry</i> , 2020 , 63, 1711-1715	7.9	9
48	A high-tap-density nanosphere-assembled microcluster to simultaneously enable high gravimetric, areal and volumetric capacities: a case study of TiO ₂ anode. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11916-11928	13	9
47	Precision Spherical Nucleic Acids Enable Sensitive FEN1 Imaging and Controllable Drug Delivery for Cancer-Specific Therapy. <i>Analytical Chemistry</i> , 2021 , 93, 11275-11283	7.8	9
46	Molecular chirality mediated amyloid formation on phospholipid surfaces. <i>Chemical Science</i> , 2020 , 11, 7369-7378	9.4	8
45	Effective nanotherapeutic approach for metastatic breast cancer treatment by supplemental oxygenation and imaging-guided phototherapy. <i>Nano Research</i> , 2020 , 13, 1111-1121	10	8
44	A biomimetic design for a sialylated, glycan-specific smart polymer. <i>NPG Asia Materials</i> , 2018 , 10, e472-e473	10.7	8
43	Sialic acid-triggered macroscopic properties switching on a smart polymer surface. <i>Applied Surface Science</i> , 2018 , 427, 1152-1164	6.7	8
42	Rapid and high-efficiency discrimination of different sialic acid species using dipeptide-based fluorescent sensors. <i>Analyst, The</i> , 2017 , 142, 3564-3568	5	8
41	Novel nanoporous covalent organic frameworks for the selective extraction of endogenous peptides.. <i>RSC Advances</i> , 2018 , 8, 37528-37533	3.7	8
40	CH-Interaction Driven Macroscopic Property Transition on Smart Polymer Surface. <i>Scientific Reports</i> , 2015 , 5, 15742	4.9	7
39	Cascaded Amplifier Nanoreactor for Efficient Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 16075-16083	9.5	7
38	Selective electrocatalytic hydroboration of aryl alkenes. <i>Green Chemistry</i> , 2021 , 23, 1691-1699	10	7
37	Circularly polarized light modulated supramolecular self-assembly for an azobenzene-based chiral gel.. <i>RSC Advances</i> , 2019 , 9, 10360-10363	3.7	6

36	Smart polymers driven by multiple and tunable hydrogen bonds for intact phosphoprotein enrichment. <i>Science and Technology of Advanced Materials</i> , 2019 , 20, 858-869	7.1	6
35	Sialic Acid-Responsive Polymeric Interface Material: From Molecular Recognition to Macroscopic Property Switching. <i>Scientific Reports</i> , 2017 , 7, 40913	4.9	5
34	Schaltbare Oberflächen: chiralitätsinduzierte Förderung der Benetzbarkeit und des Massetransfers. <i>Angewandte Chemie</i> , 2014 , 126, 946-948	3.6	5
33	Enantioselective Fluorescent Recognition of Amino Alcohol Based on Calix[4]arenes Bearing Diphenylethylenediamine Units. <i>Supramolecular Chemistry</i> , 2008 , 20, 265-271	1.8	5
32	Synthesis and Enantioselective Discrimination of Chiral Fluorescence Receptors Bearing Amino Acid Units. <i>Chinese Journal of Chemistry</i> , 2007 , 25, 390-394	4.9	5
31	Precision photothermal therapy and photoacoustic imaging by activatable thermoplasmonics. <i>Chemical Science</i> , 2021 , 12, 10097-10105	9.4	5
30	Selective enrichment of sialylated glycopeptides with a d-allose@SiO ₂ matrix.. <i>RSC Advances</i> , 2018 , 8, 38780-38786	3.7	5
29	Identification of Nonlinear Spatiotemporal Dynamical Systems With Nonuniform Observations Using Reproducing-Kernel-Based Integral Least Square Regulation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 2399-2412	10.3	4
28	Solid-state nanopores and nanochannels for the detection of biomolecules. <i>Chemical Physics Reviews</i> , 2021 , 2, 021306	4.4	4
27	Multimodal, Convertible, and Chiral Optical Films for Anti-Counterfeiting Labels. <i>Advanced Functional Materials</i> , 2204487	15.6	4
26	Approximate controllability of nonlinear stochastic partial differential systems with infinite delay. <i>Advances in Difference Equations</i> , 2015 , 2015,	3.6	3
25	cAMP sensitive nanochannels driven by conformational transition of a tripeptide-based smart polymer. <i>Chemical Communications</i> , 2020 , 56, 3425-3428	5.8	3
24	Phage display derived peptides for Alzheimer's disease therapy and diagnosis.. <i>Theranostics</i> , 2022 , 12, 2041-2062	12.1	3
23	Highly Efficient Separation of Methylated Peptides Utilizing Selective Complexation between Lysine and 18-Crown-6. <i>Analytical Chemistry</i> , 2020 , 92, 15663-15670	7.8	3
22	Synchronous oil/water separation and wastewater treatment on a copper-oxide-coated mesh.. <i>RSC Advances</i> , 2021 , 11, 17740-17745	3.7	3
21	One-step process for dual-scale ratchets with enhanced mobility of Leidenfrost droplets. <i>Journal of Colloid and Interface Science</i> , 2020 , 569, 229-234	9.3	2
20	Highly Tough, Stretchable, and Solvent-Resistant Cellulose Nanocrystal Photonic Films for Mechanochromism and Actuator Properties.. <i>Small</i> , 2022 , e2107105	11	2
19	Portable and sensitive detection of non-glucose target by enzyme-encapsulated metal-organic-framework using personal glucose meter. <i>Biosensors and Bioelectronics</i> , 2021 , 113819	11.8	2

18	Comment on Preparation of Vortex Porous Graphene Chiral Membrane for Enantioselective Separation. <i>Analytical Chemistry</i> , 2021 , 93, 4682-4684	7.8	2
17	A methylation-inspired mesoporous coordination polymer for identification and removal of organic pollutants in aqueous solutions. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 638-647	7.3	2
16	Sensing Mechanism of Excited-State Intermolecular Hydrogen Bond for Phthalimide: Indispensable Role of Dimethyl Sulfoxide. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 1113-1120	4.9	2
15	Multibioinspired JANUS Membranes with Spatial Surface Refreshment for Enhanced Fog Collection. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2101212	4.6	2
14	Biomimetic calcium-inactivated ion/molecular channel. <i>Chemical Communications</i> , 2021 , 57, 7914-7917	5.8	2
13	Biomimetic ion nanochannels for sensing umami substances.. <i>Biomaterials</i> , 2022 , 282, 121418	15.6	2
12	Sensitive chemoselectivity of cellulose nanocrystal films. <i>Cellulose</i> , 1	5.5	2
11	Enrichment of IgG and HRP glycoprotein by dipeptide-based polymeric material.. <i>Talanta</i> , 2022 , 241, 123223	6.2	1
10	Optimum Anti-erosion Structures and Anti-erosion Mechanism for Rotatory Samples Inspired by Scorpion Armor of <i>Parabuthus transvaalicus</i> . <i>Journal of Bionic Engineering</i> , 2021 , 18, 92-102	2.7	1
9	Self-assembly gel-based dynamic response system for specific recognition of -acetylneuraminic acid. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 4690-4699	7.3	1
8	Synthesis of optically active chiral mesoporous molybdenum carbide film. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 94, 482-488	6.3	1
7	Sialylated glycan-modulated biomimetic ion nanochannels driven by carbohydrate-carbohydrate interactions. <i>NPG Asia Materials</i> , 2022 , 14,	10.3	1
6	Discerning Tyrosine Phosphorylation from Multiple Phosphorylations Using a Nanofluidic Logic Platform. <i>Analytical Chemistry</i> , 2021 , 93, 16113-16122	7.8	0
5	A novel aggregation-induced enhanced emission aromatic molecule: 2-aminophenylboronic acid dimer. <i>Chemical Science</i> , 2021 , 12, 12437-12444	9.4	0
4	Bioinspired Sialic Acid Regulated Ion Nanochannel. <i>Advanced Materials Interfaces</i> , 2200186	4.6	0
3	Magnetic Fe ₃ O ₄ @mTiO ₂ -AIPA Microspheres for Separation of Phosphoproteins and Non-phosphoproteins. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019 , 34, 752-759	11.9	0
2	High-efficiency two-dimensional separation of natural products based on Cyclodextrin stationary phase working in both hydrophilic and reversed hydrophobic modes.. <i>Journal of Chromatography A</i> , 2022 , 1673, 463069	4.5	0
1	One-Step Fabrication of Hot-Water-Repellent Surfaces. <i>Biomimetics</i> , 2022 , 7, 72	3.7	0

