

Haibing Li

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Enantioselective Recognition in Biomimetic Single Artificial Nanochannels. <i>Journal of the American Chemical Society</i> , 2011, 133, 7644-7647.	13.7	239
2	Molecularly Imprinted Silica Nanospheres Embedded CdSe Quantum Dots for Highly Selective and Sensitive Optosensing of Pyrethroids. <i>Chemistry of Materials</i> , 2010, 22, 2451-2457.	6.7	228
3	Synthesis of para-sulfonatocalix[4]arene-modified silver nanoparticles as colorimetric histidine probes. <i>Chemical Communications</i> , 2008, , 880-882.	4.1	164
4	Glutathione-stabilized silver nanoparticles as colorimetric sensor for Ni ²⁺ ion. <i>Sensors and Actuators B: Chemical</i> , 2009, 143, 87-92.	7.8	159
5	Cooperative Binding of Bifunctionalized and Click-Synthesized Silver Nanoparticles for Colorimetric Co ²⁺ Sensing. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 684-690.	8.0	158
6	Temperature-sensitive Artificial Channels through Pillar[5]arene-based Host-Guest Interactions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5294-5298.	13.8	145
7	Covalent coupling of organophosphorus hydrolase loaded quantum dots to carbon nanotube/Au nanocomposite for enhanced detection of methyl parathion. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1370-1375.	10.1	143
8	Chiral Recognition of Amino Acids Based on Cyclodextrin-capped Quantum Dots. <i>Small</i> , 2008, 4, 1344-1350.	10.0	140
9	Rhomboidal Pt(II) metallacycle-based NIR-II theranostic nanoprobe for tumor diagnosis and image-guided therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1968-1973.	7.1	140
10	Calixarene capped quantum dots as luminescent probes for Hg ²⁺ ions. <i>Materials Letters</i> , 2007, 61, 1474-1477.	2.6	135
11	Development of acetylcholinesterase biosensor based on CdTe quantum dots/gold nanoparticles modified chitosan microspheres interface. <i>Biosensors and Bioelectronics</i> , 2008, 24, 475-479.	10.1	133
12	Visual detection of melamine in infant formula at 0.1 ppm level based on silver nanoparticles. <i>Analyst</i> , 2010, 135, 583.	3.5	125
13	Colorimetric detection of pesticides based on calixarene modified silver nanoparticles in water. <i>Nanotechnology</i> , 2008, 19, 465502.	2.6	119
14	A biomimetic chiral-driven ionic gate constructed by pillar[6]arene-based host-guest systems. <i>Nature Communications</i> , 2018, 9, 2617.	12.8	119
15	Synthesis of CdTe Quantum Dots in Sol-gel-Derived Composite Silica Spheres Coated with Calix[4]arene as Luminescent Probes for Pesticides. <i>Chemistry of Materials</i> , 2007, 19, 4148-4154.	6.7	112
16	A light-regulated host-guest-based nanochannel system inspired by channelrhodopsins protein. <i>Nature Communications</i> , 2017, 8, 260.	12.8	108
17	Preparation and characteristics of sol-gel-coated calix[4]arene fiber for solid-phase microextraction. <i>Journal of Chromatography A</i> , 2004, 1023, 15-25.	3.7	103
18	Fabrication of a mercaptoacetic acid pillar[5]arene assembled nanochannel: a biomimetic gate for mercury poisoning. <i>Chemical Science</i> , 2016, 7, 3227-3233.	7.4	101

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19	Sonochemical Synthesis of Cyclodextrin-Coated Quantum Dots for Optical Detection of Pollutant Phenols in Water. <i>Chemistry of Materials</i> , 2008, 20, 6053-6059.	6.7	97
20	Colorimetric detection and separation of chiral tyrosine based on N-acetyl-L-cysteine modified gold nanoparticles. <i>Journal of Materials Chemistry</i> , 2012, 22, 6546.	6.7	96
21	A highly selective and recyclable NO-responsive nanochannel based on a spiroring opening-closing reaction strategy. <i>Nature Communications</i> , 2019, 10, 1323.	12.8	96
22	Triazole-ester modified silver nanoparticles: click synthesis and Cd ²⁺ colorimetric sensing. <i>Chemical Communications</i> , 2009, , 4812.	4.1	91
23	Highly sensitive and selective tryptophan colorimetric sensor based on 4,4-bipyridine-functionalized silver nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 194-199.	7.8	91
24	Alanine-Based Chiral Metallogels via Supramolecular Coordination Complex Platforms: Metallogelation Induced Chirality Transfer. <i>Journal of the American Chemical Society</i> , 2018, 140, 3257-3263.	13.7	91
25	Colorimetric detection of pollutant aromatic amines isomers with p-sulfonatocalix[6]arene-modified gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 704-709.	7.8	77
26	Bipyrene-Functionalized Graphene as a Turn-On Fluorescence Sensor for Manganese(II) Ions in Living cells. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 592-597.	8.0	76
27	PEGylation Regulates Self-Assembled Small-Molecule Dye-Based Probes from Single Molecule to Nanoparticle Size for Multifunctional NIR Bioimaging. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800973.	7.6	75
28	Synthesis of a pyridyl-appended calix[4]arene and its application to the modification of silver nanoparticles as an Fe ³⁺ colorimetric sensor. <i>New Journal of Chemistry</i> , 2012, 36, 656-661.	2.8	74
29	Click synthesis of podand triazole-linked gold nanoparticles as highly selective and sensitive colorimetric probes for lead(II) ions. <i>Analyst</i> , 2010, 135, 1360.	3.5	72
30	Single Nanochannel Platform for Detecting Chiral Drugs. <i>Analytical Chemistry</i> , 2017, 89, 1110-1116.	6.5	70
31	The synthesis of pillar[5]arene functionalized graphene as a fluorescent probe for paraquat in living cells and mice. <i>Chemical Communications</i> , 2016, 52, 4385-4388.	4.1	69
32	Fabrication of Cysteine-Responsive Biomimetic Single Nanochannels by a Thiol-yne Reaction Strategy and Their Application for Sensing in Urine Samples. <i>Advanced Materials</i> , 2014, 26, 455-460.	21.0	67
33	Chiral recognition of Arg based on label-free PET nanochannel. <i>Chemical Communications</i> , 2015, 51, 4823-4826.	4.1	66
34	Fluoride responsive single nanochannel: click fabrication and highly selective sensing in aqueous solution. <i>Chemical Science</i> , 2015, 6, 5859-5865.	7.4	66
35	Dynamic Self-Assembly Adhesion of a Paraquat Droplet on a Pillar[5]arene Surface. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12713-12716.	13.8	66
36	Chiral Selective Transport of Proteins by Cysteine-Enantiomer-Modified Nanopores. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7186-7190.	13.8	65

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37	Selective molecular recognition on calixarene-functionalized 3D surfaces. <i>Chemical Communications</i> , 2016, 52, 12685-12693.	4.1	63
38	Host-molecule-coated quantum dots as fluorescent sensors. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1437-1444.	3.7	62
39	Calixarene-Based Chemosensors by Means of Click Chemistry. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2344-2357.	3.3	62
40	Selective inclusion of polycyclic aromatic hydrocarbons (PAHs) on calixarene coated silica nanospheres englobed with CdTe nanocrystals. <i>Journal of Materials Chemistry</i> , 2007, 17, 3536.	6.7	61
41	Highly selective and sensitive colorimetric probes for Yb ³⁺ ions based on supramolecular aggregates assembled from β -cyclodextrin-4,4'-dipyridine inclusion complex modified silver nanoparticles. <i>Chemical Communications</i> , 2009, , 3545.	4.1	61
42	Synthesis of cadmium selenide quantum dots modified with thiourea type ligands as fluorescent probes for iodide ions. <i>Journal of Materials Chemistry</i> , 2008, 18, 4543.	6.7	60
43	pH gated glucose responsive biomimetic single nanochannels. <i>Chemical Communications</i> , 2012, 48, 3282.	4.1	60
44	Ionic liquid functionalized gold nanoparticles: Synthesis, rapid colorimetric detection of imidacloprid. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 313-319.	7.8	59
45	Selective colorimetric sensing of histidine in aqueous solutions using cysteine modified silver nanoparticles in the presence of Hg ²⁺ . <i>Nanotechnology</i> , 2009, 20, 145502.	2.6	57
46	Temperature-Responsive Switch Constructed from an Anthracene-Functionalized Pillar[5]arene-Based Host-Guest System. <i>Organic Letters</i> , 2016, 18, 1092-1095.	4.6	55
47	para-Sulfonatocalix[6]arene-modified silver nanoparticles electrodeposited on glassy carbon electrode: Preparation and electrochemical sensing of methyl parathion. <i>Talanta</i> , 2010, 81, 1028-1033.	5.5	53
48	p-Amino benzenesulfonic acid functionalized gold nanoparticles: Synthesis, colorimetric detection of carbaryl and mechanism study by zeta potential assays. <i>Sensors and Actuators B: Chemical</i> , 2013, 183, 297-302.	7.8	51
49	A luminescent nanosensor for Hg(II) based on functionalized CdSe/ZnS quantum dots. <i>Mikrochimica Acta</i> , 2008, 160, 119-123.	5.0	49
50	Chiral colorimetric recognition of amino acids based on silver nanoparticle clusters. <i>New Journal of Chemistry</i> , 2012, 36, 1442.	2.8	49
51	β -Cyclodextrin-Self-Assembled Nanochannel Membrane for the Separation of Chiral Drugs. <i>ACS Applied Nano Materials</i> , 2020, 3, 4351-4356.	5.0	49
52	Fabrication of Layer-by-Layer Assembled Biomimetic Nanochannels for Highly Sensitive Acetylcholine Sensing. <i>Chemistry - A European Journal</i> , 2013, 19, 7686-7690.	3.3	48
53	Pesticide Macroscopic Recognition by a Naphthol-Appended Calix[4]arene. <i>Organic Letters</i> , 2015, 17, 2976-2979.	4.6	46
54	Selective sensing and transport in bionic nanochannel based on macrocyclic host-guest chemistry. <i>Chinese Chemical Letters</i> , 2021, 32, 642-648.	9.0	46

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55	A new Hg ²⁺ fluorescent sensors based on 1,3-alternate thiacalix[4]arene (L) and the complex of [L+Hg ²⁺] as turn-on sensor for cysteine. Tetrahedron, 2012, 68, 2409-2413.	1.9	45
56	Temperature-sensitive Artificial Channels through Pillar[5]arene-based Host-Guest Interactions. Angewandte Chemie, 2017, 129, 5378-5382.	2.0	45
57	Switchable Nanochannel Biosensor for H ₂ S Detection Based on an Azide Reduction Reaction Controlled BSA Aggregation. Analytical Chemistry, 2019, 91, 6149-6154.	6.5	45
58	Synthesis of water-soluble CdSe quantum dots by ligand exchange with p-sulfonatocalixarene (n = 4, 6) as fluorescent probes for amino acids. Nanotechnology, 2008, 19, 205501.	2.6	43
59	Macroscopic switches constructed through host-guest chemistry. Chemical Communications, 2016, 52, 4602-4612.	4.1	43
60	Enantioselective Recognition of Mandelic Acid with (R)-1,1-Bi-2-naphthol-Linked Calix[4]arene via Fluorescence and Dynamic Light Scattering. Organic Letters, 2012, 14, 3572-3575.	4.6	42
61	Composite quantum dots detect Cd ²⁺ in living cells in a fluorescence "turning on" mode. Journal of Materials Chemistry, 2012, 22, 2507-2511.	6.7	42
62	Biomimetic Ion Nanochannels as a Highly Selective Sequential Sensor for Zinc Ions Followed by Phosphate Anions. Chemistry - A European Journal, 2013, 19, 9388-9395.	3.3	42
63	Enhanced aging and thermal shock performance of Mn _{1.95} Co _{0.21} Ni _{0.84} Sr _x O ₄ NTC ceramics. Journal of Advanced Ceramics, 2021, 10, 258-270.	17.4	39
64	Construction of a Switchable Nanochannel for Protein Transport via a Pillar[5]arene-Based Host-Guest System. Analytical Chemistry, 2018, 90, 8270-8275.	6.5	38
65	Synthesis of calix[4]crowns containing soft and hard ion binding sites via click chemistry. New Journal of Chemistry, 2009, 33, 725-728.	2.8	37
66	Chiral Covalent Organic Framework Packed Nanochannel Membrane for Enantioseparation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	37
67	The "gel" technique to prepare calix[6]crown-containing organosilicon resins and their adsorption properties towards metal ions. Reactive and Functional Polymers, 2003, 55, 171-178.	4.1	36
68	Selective and efficient magnetic separation of Pb ²⁺ via gold nanoparticle-based visual binding enrichment. Chemical Communications, 2010, 46, 7337.	4.1	35
69	A highly sensitive and selective colorimetric sensor for the detection of Mn ²⁺ based on supramolecular silver nanoparticle clusters. New Journal of Chemistry, 2014, 38, 2237-2240.	2.8	34
70	CdTe nanocrystal-based electrochemical biosensor for the recognition of neutravidin by anodic stripping voltammetry at electrodeposited bismuth film. Biosensors and Bioelectronics, 2008, 24, 863-868.	10.1	33
71	Dual-signal fenamithion probe by combining fluorescence with colorimetry based on Rhodamine B modified silver nanoparticles. Analyst, The, 2011, 136, 1351.	3.5	33
72	Selective molecular recognition of polycyclic aromatic hydrocarbons using CdTe quantum dots with cyclodextrin as supramolecular nano-sensitizers in water. Sensors and Actuators B: Chemical, 2009, 135, 499-505.	7.8	32

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73	A selective fluorescent probe of Hg ²⁺ based on triazole-linked 8-oxyquinoline calix[4]arene by click chemistry. <i>Supramolecular Chemistry</i> , 2010, 22, 249-255.	1.2	31
74	Design and Fabrication of a Biomimetic Nanochannel for Highly Sensitive Arginine Response in Serum Samples. <i>Chemistry - A European Journal</i> , 2014, 20, 7987-7993.	3.3	31
75	4-Amino-3-mercaptopbenzoic acid functionalized gold nanoparticles: Synthesis, selective recognition and colorimetric detection of cyhalothrin. <i>Sensors and Actuators B: Chemical</i> , 2014, 199, 161-167.	7.8	31
76	The chiral interfaces fabricated by d,l-alanine-pillar[5]arenes for selectively adsorbing ctDNA. <i>Chemical Communications</i> , 2019, 55, 778-781.	4.1	31
77	Highly sensitive chiral recognition of amino propanol in serum with R-mandelic acid-linked calix[4]arene modified graphene. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1325-1329.	5.5	30
78	The macroscopic wettable surface: fabricated by calix[4]arene-based host-guest interaction and chiral discrimination of glucose. <i>Chemical Communications</i> , 2016, 52, 14416-14418.	4.1	29
79	Molecularly imprinted polymers immobilized on graphene oxide film for monolithic fiber solid phase microextraction and ultrasensitive determination of triphenyl phosphate. <i>Analytica Chimica Acta</i> , 2020, 1133, 1-10.	5.4	28
80	A Visible-Light-Regulated Chloride Transport Channel Inspired by Rhodopsin. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2892-2897.	13.8	28
81	Metal ions recognition by 1,2,3-triazolium calix[4]arene esters synthesized via click chemistry. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 66, 43-47.	1.6	27
82	Syntheses of novel types of calix[6]bis-crowns and related compounds. <i>New Journal of Chemistry</i> , 2001, 25, 340-343.	2.8	26
83	High extraction efficiency fiber coated with calix[4] open-chain crown ether for solid-phase microextraction of polar aromatic and aliphatic compounds. <i>Journal of Separation Science</i> , 2005, 28, 2306-2318.	2.5	26
84	Chiral imaging in living cells with functionalized graphene oxide. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4267.	5.8	26
85	Macroscopic Responsive Liquid Quantum Dots Constructed via Pillar[5]arene-Based Host-Guest Interactions. <i>Chemistry - A European Journal</i> , 2016, 22, 13805-13809.	3.3	26
86	Lead (II) ion detection in surface water with pM sensitivity using aza-crown-ether-modified silver nanoparticles via dynamic light scattering. <i>Nanotechnology</i> , 2011, 22, 275504.	2.6	25
87	Enantioselective Dynamic Self-Assembly of Histidine Droplets on Pillar[5]arene-Modified Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1665-1671.	8.0	25
88	Recent advances in chiral discrimination on host-guest functionalized interfaces. <i>Chemical Communications</i> , 2021, 57, 7480-7492.	4.1	25
89	Anthraquinone-modified calix[4]arene: click synthesis, selective calcium ion fluorescent chemosensor and INHIBIT logic gate. <i>Supramolecular Chemistry</i> , 2012, 24, 272-278.	1.2	24
90	A photo-responsive macroscopic switch constructed using a chiral azo-calix[4]arene functionalized silicon surface. <i>Chemical Communications</i> , 2018, 54, 2978-2981.	4.1	24

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91	A Funnel-Shaped Chloride Nanochannel Inspired By ClC Protein. <i>Nano Letters</i> , 2021, 21, 4086-4091.	9.1	24
92	Enantioselective Antiport in Asymmetric Nanochannels. <i>ACS Nano</i> , 2021, 15, 13148-13154.	14.6	24
93	Synthesis of aza-crown ether-modified silver nanoparticles as colorimetric sensors for Ba ²⁺ . <i>Supramolecular Chemistry</i> , 2010, 22, 544-547.	1.2	23
94	Highly sensitive chiral sensing by calix[4]arene-modified silver nanoparticles via dynamic light scattering. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 235-239.	7.8	23
95	Self-assembly of 1,3-alternate calix[4]arene carboxyl acids-modified silver nanoparticles for colorimetric Cu ²⁺ sensing. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 675-681.	7.8	23
96	Controlled release of drug molecules by pillararene-modified nanosystems. <i>Chemical Communications</i> , 2022, 58, 3255-3269.	4.1	23
97	Open-tubular capillary electrochromatography using capillary columns chemically bonded with the new host molecules calix[6]crown, calix[6]arene. <i>Electrophoresis</i> , 2002, 23, 1272-1278.	2.4	22
98	Selenium calixarene for luminescent and stable quantum dots. <i>Materials Letters</i> , 2006, 60, 703-705.	2.6	22
99	Piperidine-calix [4] arene modified gold nanoparticles: Imidacloprid colorimetric sensing. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 522-527.	7.8	22
100	Highly sensitive colorimetric sensor for the detection of H ₂ PO ₄ ²⁻ based on self-assembly of p-sulfonatocalix[6]arene modified silver nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2015, 218, 191-195.	7.8	22
101	Synthesis of Coumarin-Pillar[5]arene as a Selective Fluorescent Probe for Methyl-Parathion. <i>Chinese Journal of Chemistry</i> , 2015, 33, 368-372.	4.9	22
102	Macroscopic Chiral Recognition by Calix[4]arene-Based Host-Guest Interactions. <i>Chemistry - A European Journal</i> , 2018, 24, 15502-15506.	3.3	22
103	Biomimetic nanochannels platform for detecting N-acetylglucosamine analogues. <i>Sensors and Actuators B: Chemical</i> , 2020, 323, 128705.	7.8	22
104	Hg ²⁺ wettability and fluorescence dual-signal responsive switch based on a cysteine complex of piperidine-calix[4]arene. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 8262.	2.8	21
105	Dynamic Self-Assembly Adhesion of a Paraquat Droplet on a Pillar[5]arene Surface. <i>Angewandte Chemie</i> , 2016, 128, 12905-12908.	2.0	21
106	Bioinspired β -Cyclodextrin Pseudorotaxane Assembly Nanochannel for Selective Amino Acid Transport. <i>ACS Applied Bio Materials</i> , 2019, 2, 3607-3612.	4.6	21
107	Pillar[5]arene-functionalized nanochannel platform for detecting chiral drugs. <i>Chinese Chemical Letters</i> , 2021, 32, 179-183.	9.0	21
108	Colorimetric determination of pyrethroids based on core-shell Ag@SiO ₂ nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2011, 155, 878-883.	7.8	20

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109	Highly Efficient Ionic Gating of Solid-State Nanosensors by the Reversible Interaction between Pillar[6]arene-AuNPs and Azobenzene. <i>Analytical Chemistry</i> , 2021, 93, 3280-3286.	6.5	20
110	Chiral Nanochannels of Ordered Mesoporous Silica Constructed by a Pillar[5]arene-Based Host-Guest System. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27305-27312.	8.0	20
111	Gemini surfactant for fluorescent and stable quantum dots in aqueous solution. <i>Nanotechnology</i> , 2007, 18, 205603.	2.6	19
112	Tuning the fluorescence response of surface modified CdSe quantum dots between tyrosine and cysteine by addition of p-sulfonatocalix[4]arene. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 694.	2.9	19
113	Multi-emission CdTe quantum dot nanofluids. <i>Journal of Materials Chemistry</i> , 2011, 21, 8521.	6.7	19
114	A Photoresponsive Wettability Switch Based on a Dimethylamino Calix[4]arene. <i>Chemistry - A European Journal</i> , 2014, 20, 9367-9371.	3.3	19
115	Synthesis of highly luminescent cobalt(ii)-bis(8-hydroxyquinoline) nanosheets as isomeric aromatic amine probes. <i>Nanoscale</i> , 2009, 1, 128.	5.6	18
116	Recent progress of calixarene-based fluorescent chemosensors towards mercury ions. <i>Supramolecular Chemistry</i> , 2015, 27, 444-452.	1.2	18
117	The light-driven macroscopic directional motion of a water droplet on an azobenzene-calix[4]arene modified surface. <i>Chemical Communications</i> , 2020, 56, 10922-10925.	4.1	18
118	Fast response and high stability Mn-Co-Ni-Al-O NTC microbeads thermistors. <i>Journal of the American Ceramic Society</i> , 2021, 104, 3811-3817.	3.8	18
119	p-tert-Butylcalix[4]arene-1,3-bis(allyloxyethoxy)ether Coated Capillaries for Open-Tubular Electrochromatography. <i>Analytical Sciences</i> , 2005, 21, 717-720.	1.6	17
120	Zn ²⁺ and EDTA Cooperative Switchable Nanofluidic Diode Based on Asymmetric Modification of Single Nanochannel. <i>Chemistry - A European Journal</i> , 2016, 22, 4355-4358.	3.3	17
121	A pyrophosphate-activated nanochannel inspired by a TRP ion channel. <i>Chemical Communications</i> , 2019, 55, 12833-12836.	4.1	17
122	Chiral Responsive Liquid Quantum Dots. <i>Advanced Materials</i> , 2017, 29, 1700296.	21.0	16
123	Protein Adsorption Switch Constructed by a Pillar[5]arene-Based Host-Guest Interaction. <i>Chemistry - A European Journal</i> , 2016, 22, 941-945.	3.3	15
124	Chiral Selective Transport of Proteins by Cysteine-Enantiomer-Modified Nanopores. <i>Angewandte Chemie</i> , 2017, 129, 7292-7296.	2.0	15
125	Cyclodextrin modified quantum dots with tunable liquid-like behaviour. <i>Chemical Communications</i> , 2012, 48, 3596.	4.1	14
126	Efficient Chiral Nanosensor Based on Tip-Modified Nanochannels. <i>Analytical Chemistry</i> , 2021, 93, 6145-6150.	6.5	14

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127	Tailoring CO ₂ -Activated Ion Nanochannels Using Macrocyclic Pillararenes. ACS Applied Materials & Interfaces, 2021, 13, 27255-27261.	8.0	14
128	The synthesis of novel polysiloxanes with pendant hand-basket type calix[6]crowns and their transporting properties for metal ions in a liquid membrane. Journal of Membrane Science, 2008, 310, 431-437.	8.2	13
129	Fabrication of a Tyrosine-Responsive Liquid Quantum Dots Based Biosensor through Host-Guest Chemistry. Analytical Chemistry, 2019, 91, 13285-13289.	6.5	13
130	Synthesis and conformation studies of multiple bridged p-tert-butylcalix[7]arene diphosphates. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2008, 60, 169-172.	1.6	12
131	Cation-Induced Pesticide Binding and Release by a Functionalized Calix[4]arene Molecular Host. Scientific Reports, 2015, 5, 8982.	3.3	12
132	Polyamidoamine functionalized CdTeSe quantum dots for sensitive detection of Cry1Ab protein in vitro and in vivo. Sensors and Actuators B: Chemical, 2015, 206, 8-13.	7.8	12
133	Spreading of benquitrone droplets on superhydrophobic leaves through pillar[5]arene-based host-guest chemistry. Chemical Communications, 2020, 56, 7593-7596.	4.1	12
134	Construction of A High-Flux Protein Transport Channel Inspired by the Nuclear Pore Complex. Angewandte Chemie - International Edition, 2021, 60, 24443-24449.	13.8	12
135	Synthesis of calix[4]crown-4 oligomers containing hard and soft ion binding sites. Journal of Applied Polymer Science, 2007, 104, 3201-3205.	2.6	11
136	Cu ²⁺ Ion Responsive Solvent-Free Quantum Dots. Small, 2014, 10, 3901-3906.	10.0	11
137	Fabrication of subnanochannels by metal-organic frameworks. Matter, 2021, 4, 772-774.	10.0	11
138	Dye responsive optical-electrochemical-wettability on a naphthalene-appended calix[4]arene clicking surface. Sensors and Actuators B: Chemical, 2015, 212, 371-376.	7.8	10
139	A Chirality/Light Dual-Responsive Calixarene-Functionalized Gold Surface for the Separation of Naproxen Enantiomers. ChemPlusChem, 2019, 84, 907-912.	2.8	10
140	Chiral galactose responsive S-phenethylamine calix [4] arene-based sensing surface. Sensors and Actuators B: Chemical, 2019, 297, 126662.	7.8	10
141	Tailoring two-dimensional surfaces with pillararenes based host-guest chemistry. Chinese Chemical Letters, 2020, 31, 3095-3101.	9.0	10
142	Synthesis of a facile fluorescent 8-hydroxyquinoline-pillar[5]arene chemosensor based host-guest chemistry for phoxim. Dyes and Pigments, 2021, 194, 109646.	3.7	10
143	Regioselective intramolecular bridging of p-tert-butylcalix[10]arene. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2008, 60, 379-382.	1.6	9
144	Enantioselective recognition of electrochemically inactive phenylalanine by thiolated-cyclodextrin/ferrocene-coated gold nanoparticles. Supramolecular Chemistry, 2011, 23, 455-461.	1.2	9

#	ARTICLE	IF	CITATIONS
145	Promoting the Spreading of Droplets on a Superhydrophobic Surface by Supramolecular Amphiphilic Complex-Based Host-Guest Chemistry. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 9545-9550.	5.2	9
146	Highly Chiral Selective Resolution in Pillar[6]arenes Functionalized Microchannel Membranes. <i>Analytical Chemistry</i> , 2022, 94, 6065-6070.	6.5	9
147	Liquid Quantum Dots Constructed by Host-Guest Interaction. <i>ACS Macro Letters</i> , 2015, 4, 357-360.	4.8	8
148	Chiral Selective Adhesion of Protein Droplets on Calix[4]arene-Enantiomer-Modified Surfaces. <i>ACS Applied Bio Materials</i> , 2020, 3, 1226-1232.	4.6	8
149	Engineering the Redox-Driven Channel for Precisely Regulating Nanoconfined Glutathione Identification and Transport. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49137-49145.	8.0	8
150	Arginine Wettability and Impedance Dual-Signal Response by Aldehyde Calix[4]arene Self-Assembled Monolayers. <i>ChemPlusChem</i> , 2013, 78, 1517-1522.	2.8	7
151	Wettability recognition for isomeric phenylenediamine by nitro-calix[4]arene click chemistry. <i>RSC Advances</i> , 2013, 3, 19278.	3.6	7
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153	Engineering a NO-Regulated Nanofluidic Sensor through the Cyclization Reaction Strategy. <i>Chemistry - A European Journal</i> , 2020, 26, 11099-11103.	3.3	7
154	Nanopore-Based Electrodes for Quinotriene Detection: Host-Guest-Induced Electrochemical Signal Switching. <i>Analytical Chemistry</i> , 2021, 93, 5430-5436.	6.5	7
155	Engineering and Application of Pillar[6]arene Functionalized Chiral Surface in Selective Adsorption of Adrenaline. <i>Chinese Journal of Chemistry</i> , 2022, 40, 925-930.	4.9	5
156	Fabrication of molecularly imprinted nanochannel membrane for ultrasensitive electrochemical detection of triphenyl phosphate. <i>Analytica Chimica Acta</i> , 2022, 1192, 339374.	5.4	5
157	Highly enantioselective recognition of S-ibuprofen by a host-guest induced chiral nanochannel. <i>Analyst</i> , 2022, 147, 1803-1807.	3.5	5
158	Chiral Covalent Organic Framework Packed Nanochannel Membrane for Enantioseparation. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	5
159	Quinolono-triazole linked gold nanoparticles as sensitive turn-on fluorescent Cd ²⁺ probes. <i>Nanotechnology</i> , 2011, 22, 435502.	2.6	4
160	Glutathione modified Ag nanoparticles as efficient detector for pyrimethanil. <i>Nanotechnology</i> , 2019, 30, 115502.	2.6	4
161	Phenethylamine@Pillar[5]arene Biointerface for Highly Enantioselective Adsorption of Protein. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1025-1029.	3.3	4
162	Glutathione transmembrane transmission gated by light-switches. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 405, 112954.	3.9	4

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163	Selective transmembrane transport of Al^{2+} protein regulated by tryptophan enantiomers. Chemical Communications, 2021, 57, 215-218.	4.1	4
164	Pillar[5]arene Promoted Selective Spreading of Chlormequat Droplets on a Hydrophobic Surface. Langmuir, 2020, 36, 1950-1955.	3.5	3
165	A layer-by-layer assembled d -arginine-calix[4]arene-Si-surface for macroscopic enantio-selective discrimination of (<i>R</i>)-(<i>S</i>)-ibuprofen. Chemical Communications, 2021, 57, 5706-5709.	4.1	3
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167	A Visible-Light-Regulated Chloride Transport Channel Inspired by Rhodopsin. Angewandte Chemie, 2021, 133, 2928-2933.	2.0	2
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170	Host-Guest Sensing by Nanopores and Nanochannels. , 2019, , 1-27.		1
171	Fast detection of isocarbophos using bis-propargylcalix[4]arene-stabilized silver nanoparticles. Analytical Sciences, 2022, 38, 861-867.	1.6	1
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