

Shutao Wang

List of Publications by Year in descending order

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284
papers

25,096
citations

8755

75
h-index

7950

149
g-index

305
all docs

305
docs citations

305
times ranked

22461
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Superhydrophilic and Underwater Superoleophobic Hydrogel-Coated Mesh for Oil/Water Separation. <i>Advanced Materials</i> , 2011, 23, 4270-4273.	21.0	1,462
2	Bioinspired Surfaces with Superwettability: New Insight on Theory, Design, and Applications. <i>Chemical Reviews</i> , 2015, 115, 8230-8293.	47.7	1,292
3	Nature-inspired superwettability systems. <i>Nature Reviews Materials</i> , 2017, 2, .	48.7	1,212
4	Bioinspired Design of a Superoleophobic and Low Adhesive Water/Solid Interface. <i>Advanced Materials</i> , 2009, 21, 665-669.	21.0	1,123
5	Definition of Superhydrophobic States. <i>Advanced Materials</i> , 2007, 19, 3423-3424.	21.0	836
6	Highly Efficient Capture of Circulating Tumor Cells by Using Nanostructured Silicon Substrates with Integrated Chaotic Micromixers. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3084-3088.	13.8	576
7	One-Step Solution-Immersion Process for the Fabrication of Stable Bionic Superhydrophobic Surfaces. <i>Advanced Materials</i> , 2006, 18, 767-770.	21.0	533
8	Three-Dimensional Nanostructured Substrates toward Efficient Capture of Circulating Tumor Cells. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8970-8973.	13.8	462
9	Dual-Responsive Surfaces Modified with Phenylboronic Acid-Containing Polymer Brush To Reversibly Capture and Release Cancer Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 7603-7609.	13.7	371
10	Lab in a Tube: Ultrasensitive Detection of MicroRNAs at the Single-Cell Level and in Breast Cancer Patients Using Quadratic Isothermal Amplification. <i>Journal of the American Chemical Society</i> , 2013, 135, 4604-4607.	13.7	334
11	Dual-Responsive Surfaces That Switch between Superhydrophilicity and Superhydrophobicity. <i>Advanced Materials</i> , 2006, 18, 432-436.	21.0	324
12	Directly Coating Hydrogel on Filter Paper for Effective Oil-Water Separation in Highly Acidic, Alkaline, and Salty Environment. <i>Advanced Functional Materials</i> , 2015, 25, 5368-5375.	14.9	322
13	Dual-Scaled Porous Nitrocellulose Membranes with Underwater Superoleophobicity for Highly Efficient Oil/Water Separation. <i>Advanced Materials</i> , 2014, 26, 1771-1775.	21.0	311
14	Fuel-Free Synthetic Micro-Nanomachines. <i>Advanced Materials</i> , 2017, 29, 1603250.	21.0	310
15	Layered nanocomposites by shear-flow-induced alignment of nanosheets. <i>Nature</i> , 2020, 580, 210-215.	27.8	284
16	Accelerating the Translation of Nanomaterials in Biomedicine. <i>ACS Nano</i> , 2015, 9, 6644-6654.	14.6	279
17	Clam's Shell Inspired High-Energy Inorganic Coatings with Underwater Low Adhesive Superoleophobicity. <i>Advanced Materials</i> , 2012, 24, 3401-3405.	21.0	277
18	Three-dimensional nano-biointerface as a new platform for guiding cell fate. <i>Chemical Society Reviews</i> , 2014, 43, 2385-2401.	38.1	255

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19	Photoresponsive surfaces with controllable wettability. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2007, 8, 18-29.	11.6	253
20	Photothermal Effects of Supramolecularly Assembled Gold Nanoparticles for the Targeted Treatment of Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3777-3781.	13.8	253
21	Hydrophobic Interaction-Mediated Capture and Release of Cancer Cells on Thermoresponsive Nanostructured Surfaces. <i>Advanced Materials</i> , 2013, 25, 922-927.	21.0	247
22	Bioinspired Janus Textile with Conical Micropores for Human Body Moisture and Thermal Management. <i>Advanced Materials</i> , 2019, 31, e1904113.	21.0	243
23	Filefish-Inspired Surface Design for Anisotropic Underwater Oleophobicity. <i>Advanced Functional Materials</i> , 2014, 24, 809-816.	14.9	220
24	A Self-Pumping Dressing for Draining Excessive Biofluid around Wounds. <i>Advanced Materials</i> , 2019, 31, e1804187.	21.0	220
25	Bioinspired Colloidal Photonic Crystals with Controllable Wettability. <i>Accounts of Chemical Research</i> , 2011, 44, 405-415.	15.6	219
26	Controlling Wettability and Photochromism in a Dual-Responsive Tungsten Oxide Film. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1264-1267.	13.8	207
27	Interfacial Polymerization: From Chemistry to Functional Materials. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21840-21856.	13.8	204
28	Janus interface materials: superhydrophobic air/solid interface and superoleophobic water/solid interface inspired by a lotus leaf. <i>Soft Matter</i> , 2011, 7, 5948.	2.7	203
29	Programmable Fractal Nanostructured Interfaces for Specific Recognition and Electrochemical Release of Cancer Cells. <i>Advanced Materials</i> , 2013, 25, 3566-3570.	21.0	198
30	Organogel-Based Thin Films for Self-Cleaning on Various Surfaces. <i>Advanced Materials</i> , 2013, 25, 4477-4481.	21.0	183
31	Aptamer-Mediated Efficient Capture and Release of T Lymphocytes on Nanostructured Surfaces. <i>Advanced Materials</i> , 2011, 23, 4376-4380.	21.0	175
32	Facile Means of Preparing Superamphiphobic Surfaces on Common Engineering Metals. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11454-11458.	3.1	173
33	A Supramolecular Approach for Preparation of Size-Controlled Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4344-4348.	13.8	172
34	Nacre-Inspired Design of Mechanical Stable Coating with Underwater Superoleophobicity. <i>ACS Nano</i> , 2013, 7, 5077-5083.	14.6	172
35	Enthalpy-Driven Three-State Switching of a Superhydrophilic/Superhydrophobic Surface. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3915-3917.	13.8	168
36	Towards understanding the nanofluidic reverse electrodialysis system: well matched charge selectivity and ionic composition. <i>Energy and Environmental Science</i> , 2011, 4, 2259.	30.8	168

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37	Functionalized Conducting Polymer Nanodots for Enhanced Cell Capturing: The Synergistic Effect of Capture Agents and Nanostructures. <i>Advanced Materials</i> , 2011, 23, 4788-4792.	21.0	164
38	Salt-Tolerant Superoleophobicity on Alginate Gel Surfaces Inspired by Seaweed (<i>Saccharina</i>). <i>Langmuir</i> , 2011, 27, 10750-10754.	21.0	163
39	Manipulation of Surface Wettability between Superhydrophobicity and Superhydrophilicity on Copper Films. <i>ChemPhysChem</i> , 2005, 6, 1475-1478.	2.1	145
40	Hydrophilic/Oleophilic Magnetic Janus Particles for the Rapid and Efficient Oil-Water Separation. <i>Advanced Functional Materials</i> , 2018, 28, 1802493.	14.9	144
41	Superwetting Surfaces under Different Media: Effects of Surface Topography on Wettability. <i>Small</i> , 2015, 11, 1939-1946.	10.0	142
42	Microscale and nanoscale hierarchical structured mesh films with superhydrophobic and superoleophilic properties induced by long-chain fatty acids. <i>Nanotechnology</i> , 2007, 18, 015103.	2.6	137
43	Bioinspired Multiscale Wet Adhesive Surfaces: Structures and Controlled Adhesion. <i>Advanced Functional Materials</i> , 2020, 30, 1905287.	14.9	137
44	Ultratrace DNA Detection Based on the Condensing-Enrichment Effect of Superwetable Microchips. <i>Advanced Materials</i> , 2015, 27, 6878-6884.	21.0	135
45	A new 1D zigzag 1D polyoximinoborate coordinated by four silver complex moieties: {PW9V3O40[Ag(2,2'-bipy)]2[Ag2(2,2'-bipy)3]2} Electronic supplementary information (ESI) available: thermal ellipsoid plot of [Ag2(2,2'-bipy)3]2+, schematic representation of the molecular building blocks of 1, simplified 2-D representation of the supramolecular network of 1, IR spectra, XPS spectra and a TG curve for 1. See http://www.rsc.org/suppdata/doi/10.1039/B208531c . <i>Dalton Transactions</i> , 2003, 233-235.	3.3	130
46	Antibody-Modified Reduced Graphene Oxide Films with Extreme Sensitivity to Circulating Tumor Cells. <i>Advanced Materials</i> , 2015, 27, 6848-6854.	21.0	126
47	An Ion-Induced Low-Oil Adhesion Organic/Inorganic Hybrid Film for Stable Superoleophobicity in Seawater. <i>Advanced Materials</i> , 2013, 25, 606-611.	21.0	123
48	Multifunctional "Smart" Particles Engineered from Live Immunocytes: Toward Capture and Release of Cancer Cells. <i>Advanced Materials</i> , 2015, 27, 310-313.	21.0	123
49	A Rapid Pathway Toward a Superb Gene Delivery System: Programming Structural and Functional Diversity into a Supramolecular Nanoparticle Library. <i>ACS Nano</i> , 2010, 4, 6235-6243.	14.6	122
50	A Triggered DNA Hydrogel Cover to Envelop and Release Single Cells. <i>Advanced Materials</i> , 2013, 25, 4714-4717.	21.0	122
51	Hierarchical Nanowire Arrays as Three-Dimensional Fractal Nanobiointerfaces for High Efficient Capture of Cancer Cells. <i>Nano Letters</i> , 2016, 16, 766-772.	9.1	122
52	A novel organic-inorganic hybrid material with fluorescent emission: [Cd(PT)(H2O)]n(PT=phthalate). <i>New Journal of Chemistry</i> , 2003, 27, 1144-1147.	2.8	116
53	Recent progress in interfacial polymerization. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1028-1040.	5.9	116
54	Integrated microfluidic reactors. <i>Nano Today</i> , 2009, 4, 470-481.	11.9	115

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55	Bio-inspired soft polystyrene nanotube substrate for rapid and highly efficient breast cancer-cell capture. <i>NPG Asia Materials</i> , 2013, 5, e63-e63.	7.9	114
56	Grooved Organogel Surfaces towards Anisotropic Sliding of Water Droplets. <i>Advanced Materials</i> , 2014, 26, 3131-3135.	21.0	113
57	A reversible underwater glue based on photo- and thermo-responsive dynamic covalent bonds. <i>Materials Horizons</i> , 2020, 7, 282-288.	12.2	113
58	Bioinspired Supramolecular Lubricating Hydrogel Induced by Shear Force. <i>Journal of the American Chemical Society</i> , 2018, 140, 3186-3189.	13.7	112
59	Bioinspired superwetable micropatterns for biosensing. <i>Chemical Society Reviews</i> , 2019, 48, 3153-3165.	38.1	110
60	Integrating Ionic Gate and Rectifier Within One Solidâ€State Nanopore via Modification with Dualâ€Responsive Copolymer Brushes. <i>Advanced Functional Materials</i> , 2010, 20, 3561-3567.	14.9	108
61	A Microfluidic Platform for Systems Pathology: Multiparameter Single-Cell Signaling Measurements of Clinical Brain Tumor Specimens. <i>Cancer Research</i> , 2010, 70, 6128-6138.	0.9	106
62	Recent Progress in Isolation and Detection of Extracellular Vesicles for Cancer Diagnostics. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800484.	7.6	106
63	A general strategy to synthesize chemically and topologically anisotropic Janus particles. <i>Science Advances</i> , 2017, 3, e1603203.	10.3	105
64	Splitting a Droplet for Femtoliter Liquid Patterns and Single Cell Isolation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9060-9065.	8.0	95
65	Understanding Surface Adhesion in Nature: A Peeling Model. <i>Advanced Science</i> , 2016, 3, 1500327.	11.2	92
66	Bioinspired Oil Strider Floating at the Oil/Water Interface Supported by Huge Superoleophobic Force. <i>ACS Nano</i> , 2012, 6, 5614-5620.	14.6	91
67	An underwater pH-responsive superoleophobic surface with reversibly switchable oil-adhesion. <i>Soft Matter</i> , 2012, 8, 6740.	2.7	89
68	Directing Stem Cell Differentiation <i>via</i> Electrochemical Reversible Switching between Nanotubes and Nanotips of Polypyrrole Array. <i>ACS Nano</i> , 2017, 11, 5915-5924.	14.6	89
69	Light-Triggered Specific Cancer Cell Release from Cyclodextrin/Azobenzene and Aptamer-Modified Substrate. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27360-27367.	8.0	88
70	Elaborate Positioning of Nanowire Arrays Contributed by Highly Adhesive Superhydrophobic Pillarâ€Structured Substrates. <i>Advanced Materials</i> , 2012, 24, 559-564.	21.0	87
71	Superwetable Electrochemical Biosensor toward Detection of Cancer Biomarkers. <i>ACS Sensors</i> , 2018, 3, 72-78.	7.8	84
72	Nanoporous microspheres: from controllable synthesis to healthcare applications. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2222.	5.8	82

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73	Three-Dimensional Graphene Composite Macroscopic Structures for Capture of Cancer Cells. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300043.	3.7	82
74	Bioinspired Superwetable Microspine Chips with Directional Droplet Transportation for Biosensing. <i>ACS Nano</i> , 2020, 14, 4654-4661.	14.6	81
75	A Bio-Inspired Potassium and pH Responsive Double-Gated Nanochannel. <i>Advanced Functional Materials</i> , 2015, 25, 421-426.	14.9	79
76	Small Molecular Nanowire Arrays Assisted by Superhydrophobic Pillar-Structured Surfaces with High Adhesion. <i>Advanced Materials</i> , 2012, 24, 2780-2785.	21.0	76
77	A Self-Cleaning TiO ₂ Nanosisal-like Coating toward Disposing Nanobiochips of Cancer Detection. <i>ACS Nano</i> , 2015, 9, 9284-9291.	14.6	76
78	Converting AgCl nanocubes to sunlight-driven plasmonic AgCl@Ag nanophotocatalyst with high activity and durability. <i>Journal of Materials Chemistry</i> , 2011, 21, 11532.	6.7	75
79	Superwetable Microchips as a Platform toward Microgravity Biosensing. <i>ACS Nano</i> , 2017, 11, 621-626.	14.6	74
80	Hydrothermal synthesis and characterization of an unprecedented $\hat{\Gamma}$ -type octamolybdate: [Ni(phen) ₂] ₂ (Mo ₈ O ₂₆). <i>Inorganica Chimica Acta</i> , 2004, 357, 2525-2531.	2.4	73
81	Alternating-electric-field-enhanced reversible switching of DNA nanocontainers with pH. <i>Nucleic Acids Research</i> , 2007, 35, e33.	14.5	73
82	Fabrication of Patterned Concave Microstructures by Inkjet Imprinting. <i>Advanced Functional Materials</i> , 2015, 25, 3286-3294.	14.9	73
83	Architecting a Mesoporous N-Doped Graphitic Carbon Framework Encapsulating CoTe ₂ as an Efficient Oxygen Evolution Electrocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36146-36153.	8.0	73
84	Chirality Controls Mesenchymal Stem Cell Lineage Diversification through Mechanoresponses. <i>Advanced Materials</i> , 2019, 31, e1900582.	21.0	73
85	A miniature droplet reactor built on nanoparticle-derived superhydrophobic pedestals. <i>Nano Research</i> , 2011, 4, 266-273.	10.4	72
86	Bioinspired multiscale surfaces with special wettability. <i>MRS Bulletin</i> , 2013, 38, 375-382.	3.5	71
87	A monolithic hydro/organo macro copolymer actuator synthesized via interfacial copolymerization. <i>NPG Asia Materials</i> , 2017, 9, e380-e380.	7.9	71
88	Papilla-like magnetic particles with hierarchical structure for oil removal from water. <i>Chemical Communications</i> , 2013, 49, 8752.	4.1	70
89	Wettability Alteration of Polymer Surfaces Produced by Scraping. <i>Journal of Adhesion Science and Technology</i> , 2008, 22, 395-402.	2.6	69
90	Bio-Inspired Design and Fabrication of Micro/Nano-Brush Dual Structural Surfaces for Switchable Oil Adhesion and Antifouling. <i>Small</i> , 2017, 13, 1602020.	10.0	69

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91	AIE-based superwetable microchips for evaporation and aggregation induced fluorescence enhancement biosensing. <i>Biosensors and Bioelectronics</i> , 2018, 111, 124-130.	10.1	69
92	Underwater superoleophilicity to superoleophobicity: role of trapped air. <i>Chemical Communications</i> , 2012, 48, 11745.	4.1	67
93	Antibacterial Property of a Polyethylene Glycol-Grafted Dental Material. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17688-17692.	8.0	67
94	Recent progress of electrowetting for droplet manipulation: from wetting to superwetting systems. <i>Materials Chemistry Frontiers</i> , 2020, 4, 140-154.	5.9	67
95	Hydrogel-Coated Dental Device with Adhesion-Inhibiting and Colony-Suppressing Properties. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9718-9725.	8.0	65
96	Superspreading on Immersed Gel Surfaces for the Confined Synthesis of Thin Polymer Films. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3615-3619.	13.8	64
97	A bio-inspired high strength three-layer nanofiber vascular graft with structure guided cell growth. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3758-3764.	5.8	62
98	Utilizing superhydrophilic materials to manipulate oil droplets arbitrarily in water. <i>Soft Matter</i> , 2011, 7, 5144.	2.7	61
99	“Clinging” Microdroplet Patterning Upon High Adhesion, Pillar Structured Silicon Substrates. <i>Advanced Functional Materials</i> , 2011, 21, 3297-3307.	14.9	61
100	Smart Thin Hydrogel Coatings Harnessing Hydrophobicity and Topography to Capture and Release Cancer Cells. <i>Small</i> , 2016, 12, 4697-4701.	10.0	61
101	Ni Foam-Supported Carbon-Sheathed NiMoO ₄ Nanowires as Integrated Electrode for High-Performance Hybrid Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5964-5971.	6.7	61
102	Highly effective protein detection for avidin-biotin system based on colloidal photonic crystals enhanced fluoroimmunoassay. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2165-2170.	10.1	60
103	A Spider-Silk-Inspired Wet Adhesive with Supercold Tolerance. <i>Advanced Materials</i> , 2021, 33, e2007301.	21.0	59
104	Bioinspired DNA-Inorganic Hybrid Nanoflowers Combined with a Personal Glucose Meter for Onsite Detection of miRNA. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42050-42057.	8.0	58
105	Space-confined fabrication of silver nanodendrites and their enhanced SERS activity. <i>Nanoscale</i> , 2013, 5, 4284.	5.6	57
106	Quadratic isothermal amplification for the detection of microRNA. <i>Nature Protocols</i> , 2014, 9, 597-607.	12.0	56
107	Unexpected high photothelmal conversion efficiency of gold nanospheres upon grafting with two-photon luminescent ruthenium(II) complexes: A way towards cancer therapy?. <i>Biomaterials</i> , 2015, 63, 102-114.	11.4	56
108	Interfacial Engineering of Hierarchically Porous NiTi/Hydrogels Nanocomposites with Exceptional Antibiofouling Surfaces. <i>Advanced Materials</i> , 2017, 29, 1602869.	21.0	56

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109	Underwater Thermoresponsive Surface with Switchable Oil/Wettability between Superoleophobicity and Superoleophilicity. <i>Small</i> , 2015, 11, 3338-3342.	10.0	54
110	Superamphiphilic Silicon Wafer Surfaces and Applications for Uniform Polymer Film Fabrication. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5720-5724.	13.8	54
111	Interfacially Polymerized Particles with Heterostructured Nanopores for Glycopeptide Separation. <i>Advanced Materials</i> , 2018, 30, e1803299.	21.0	54
112	Integrated Ultrasonic Aggregation-Induced Enrichment with Raman Enhancement for Ultrasensitive and Rapid Biosensing. <i>Analytical Chemistry</i> , 2020, 92, 7816-7821.	6.5	54
113	A novel three-dimensional metal-organic network, $Zn_2(btec)(pipz)(H_2O)$ ($btec=1,2,4,5$ -benzenetetracarboxylate, $pipz$ =piperazine), with blue fluorescent emission. <i>Inorganica Chimica Acta</i> , 2004, 357, 3155-3161.	2.4	53
114	Trap Effect of Three-Dimensional Fibers Network for High Efficient Cancer Cell Capture. <i>Advanced Healthcare Materials</i> , 2015, 4, 838-843.	7.6	53
115	A highly sensitive and facile graphene oxide-based nucleic acid probe: Label-free detection of telomerase activity in cancer patient's urine using AIEgens. <i>Biosensors and Bioelectronics</i> , 2017, 89, 417-421.	10.1	53
116	Two Novel Vanadium Tellurites Covalently Bonded with Metal-Organic Complex Moieties: $M(phen)_2TeO_8$ ($M = Cu, Ni$). <i>Inorganic Chemistry</i> , 2003, 42, 7652-7657.	4.0	52
117	Synthetic Fabrication of Nanoscale MoS_2 -Based Transition Metal Sulfides. <i>Materials</i> , 2010, 3, 401-433.	2.9	51
118	A small library of DNA-encapsulated supramolecular nanoparticles for targeted gene delivery. <i>Chemical Communications</i> , 2010, 46, 1851-1853.	4.1	51
119	Janus Particles Synthesis by Emulsion Interfacial Polymerization: Polystyrene as Seed or Beyond?. <i>Macromolecules</i> , 2018, 51, 1591-1597.	4.8	51
120	Nacre-Inspired Mineralized Films with High Transparency and Mechanically Robust Underwater Superoleophobicity. <i>Advanced Materials</i> , 2020, 32, e1907413.	21.0	51
121	Skin Adhesives with Controlled Adhesion by Polymer Chain Mobility. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1496-1502.	8.0	48
122	Controlled Growth of Aligned Arrays of Cu -Ferrite Nanorods. <i>Crystal Growth and Design</i> , 2006, 6, 1931-1935.	3.0	47
123	Superwetable microchips with improved spot homogeneity toward sensitive biosensing. <i>Biosensors and Bioelectronics</i> , 2018, 102, 418-424.	10.1	47
124	Advanced Nanotechnologies for Extracellular Vesicle-Based Liquid Biopsy. <i>Advanced Science</i> , 2021, 8, e2102789.	11.2	46
125	Synthesis and Structure of an Unprecedented Layered Vanadate Complex Containing Double-Helical Chains: $[CoIII(phen)_2]_2V_8O_{23}$. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1385-1388.	2.0	45
126	Efficient Capture of Cancer Cells by Their Replicated Surfaces Reveals Multiscale Topographic Interactions Coupled with Molecular Recognition. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10537-10543.	8.0	44

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127	Poly(N-isopropylacrylamide)-based thermo-responsive surfaces with controllable cell adhesion. <i>Science China Chemistry</i> , 2014, 57, 552-557.	8.2	43
128	A three-dimensional DNA walking machine for the ultrasensitive dual-modal detection of miRNA using a fluorometer and personal glucose meter. <i>Nanoscale</i> , 2019, 11, 11279-11284.	5.6	43
129	Self-interconnecting Pt nanowire network electrode for electrochemical amperometric biosensor. <i>Nanoscale</i> , 2015, 7, 11460-11467.	5.6	42
130	Recent progress of abrasion-resistant materials: learning from nature. <i>Chemical Society Reviews</i> , 2016, 45, 237-251.	38.1	42
131	Cell adhesive spectra along surface wettability gradient from superhydrophilicity to superhydrophobicity. <i>Science China Chemistry</i> , 2017, 60, 614-620.	8.2	42
132	Renewable superwetable biochip for miRNA detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 715-721.	7.8	42
133	Controlling Droplet Motion on an Organogel Surface by Tuning the Chain Length of DNA and Its Biosensing Application. <i>CheM</i> , 2018, 4, 2929-2943.	11.7	42
134	Synthesis, characterization and crystal structures of dibenzo-18-crown-6 sodium isopolytungstates. <i>Journal of Molecular Structure</i> , 2002, 607, 133-141.	3.6	41
135	Amplified effect of surface charge on cell adhesion by nanostructures. <i>Nanoscale</i> , 2016, 8, 12540-12543.	5.6	41
136	Near-infrared (NIR) controlled reversible cell adhesion on a responsive nano-biointerface. <i>Nano Research</i> , 2017, 10, 1345-1355.	10.4	41
137	Promoting Cell Migration in Tissue Engineering Scaffolds with Graded Channels. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700472.	7.6	41
138	The first polyoxoalkoxovanadium germanate anion with a novel cage-like structure: solvothermal synthesis and characterization. <i>Dalton Transactions</i> , 2003, , 519-520.	3.3	40
139	Bioinspired Microfluidic Device by Integrating a Porous Membrane and Heterostructured Nanoporous Particles for Biomolecule Cleaning. <i>ACS Nano</i> , 2019, 13, 8374-8381.	14.6	40
140	Superwetable Surface Engineering in Controlling Cell Adhesion for Emerging Bioapplications. <i>Small Methods</i> , 2020, 4, 2000573.	8.6	40
141	Time-Dependent Organization and Wettability of Decanethiol Self-Assembled Monolayer on Au(111) Investigated with STM. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1794-1799.	2.6	39
142	Recent Progress in Biointerfaces with Controlled Bacterial Adhesion by Using Chemical and Physical Methods. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2004-2016.	3.3	39
143	Simultaneous Monitoring of Mitochondrial Temperature and ATP Fluctuation Using Fluorescent Probes in Living Cells. <i>Analytical Chemistry</i> , 2018, 90, 12553-12558.	6.5	39
144	Designing Fractal Nanostructured Biointerfaces for Biomedical Applications. <i>ChemPhysChem</i> , 2014, 15, 1550-1561.	2.1	38

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145	Ionic-Liquid-Gel Surfaces Showing Easy-Sliding and Ultradurable Features. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500177.	3.7	38
146	pH-Regulated Heterostructure Porous Particles Enable Similarly Sized Protein Separation. <i>Advanced Materials</i> , 2019, 31, e1900391.	21.0	38
147	Hierarchical Biointerfaces Assembled by Leukocyte-Inspired Particles for Specifically Recognizing Cancer Cells. <i>Small</i> , 2014, 10, 3735-3741.	10.0	37
148	A Wetting-Enabled Transfer (WET) Strategy for Precise Surface Patterning of Organohydrogels. <i>Advanced Materials</i> , 2021, 33, e2008557.	21.0	36
149	Fractal gold modified electrode for ultrasensitive thrombin detection. <i>Nanoscale</i> , 2012, 4, 3786.	5.6	35
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