

# Wei Shen

## List of Publications by Year in descending order

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Version: 2024-02-01

190  
papers

14,144  
citations

31949

53  
h-index

20943

115  
g-index

193  
all docs

193  
docs citations

193  
times ranked

16017  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solvent-free magnetic-tip microextraction into a single drop for fluorescence sensing. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 131044.	4.0	12
2	Polyoxometalate-based materials in extraction, and electrochemical and optical detection methods: A review. <i>Analytica Chimica Acta</i> , 2022, 1209, 339509.	2.6	19
3	Ultrahigh-Performance Supercritical Fluid Chromatography and Detection of Multiple Biogenic Amines in Gentamicin Sulfate: Method Development Using Computer-Assisted Modeling. <i>Analytical Chemistry</i> , 2022, 94, 7229-7237.	3.2	11
4	A rapid $\mu$ -cusp-covering $\mu$ -to Au nanostar as plasmonic sensor in a single-drop microreactor for the determination of kanamycin in biosamples. <i>Sensors and Actuators B: Chemical</i> , 2022, 366, 131993.	4.0	6
5	Application of smartphone-based spectroscopy to biosample analysis: A review. <i>Biosensors and Bioelectronics</i> , 2021, 172, 112788.	5.3	97
6	Go with the capillary flow. Simple thread-based microfluidics. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129670.	4.0	28
7	Recent advances in the detection of multiple microRNAs. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 139, 116269.	5.8	21
8	Logarithmic Data Processing Can Be Used Justifiably in the Plotting of a Calibration Curve. <i>Analytical Chemistry</i> , 2021, 93, 12156-12161.	3.2	54
9	Three-dimensional DNA/Ni-Fe layered double oxide frame networks-induced $\mu$ -cusp-exposure of Au@Ag nanostars for ultrasensitive determination of kanamycin. <i>Sensors and Actuators B: Chemical</i> , 2021, 343, 130082.	4.0	12
10	Three-in-one via syringe needle-based device: sampling, microextraction and peroxidase-like catalysis for colorimetric detection of the change of biogenic amines levels with time in meat. <i>Food Chemistry</i> , 2021, 358, 129900.	4.2	5
11	Ni/Fe layered double hydroxide nanosheet/G-quadruplex as a new complex DNAzyme with highly enhanced peroxidase-mimic activity. <i>Analyst, The</i> , 2021, 146, 6470-6473.	1.7	3
12	Application of Au or Ag nanomaterials for colorimetric detection of glucose. <i>Analyst, The</i> , 2021, 146, 6726-6740.	1.7	21
13	Multiply-amplified strategy for the ultrasensitive detection of kanamycin via aptamer-triggered three-dimensional G-quadruplex/Ni-Fe layered double oxide frame networks. <i>Analytica Chimica Acta</i> , 2021, 1187, 339169.	2.6	5
14	Three-dimensional microfluidic tape-paper-based sensing device for blood total bilirubin measurement in jaundiced neonates. <i>Lab on A Chip</i> , 2020, 20, 394-404.	3.1	29
15	Recent advances in the application of layered double hydroxides in analytical chemistry: A review. <i>Analytica Chimica Acta</i> , 2020, 1103, 32-48.	2.6	95
16	Towards high-volumetric performance of Na/Li-ion batteries: a better anode material with molybdenum pentachloride-graphite intercalation compounds ( $\text{MoCl}_5$ -GICs). <i>Journal of Materials Chemistry A</i> , 2020, 8, 2430-2438.	5.2	40
17	Study of paper-based assaying system for diagnosis of total serum bilirubin by colorimetric diazotization method. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127448.	4.0	18
18	Fabrication of single-crystalline gold nanowires on cellulose nanofibers. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 333-341.	5.0	7

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19	Gold nanoprism/Tollens's™ reagent complex as plasmonic sensor in headspace single-drop microextraction for colorimetric detection of formaldehyde in food samples using smartphone readout. <i>Talanta</i> , 2020, 220, 121388.	2.9	47
20	Carboxypeptidase A immobilization with zeolitic imidazolate framework for enhancement of ochratoxin A degradation ability. <i>Food and Agricultural Immunology</i> , 2020, 31, 587-599.	0.7	10
21	Magnetic Three-Phase Single-Drop Microextraction for Rapid Amplification of the Signals of DNA and MicroRNA Analysis. <i>Analytical Chemistry</i> , 2020, 92, 12290-12296.	3.2	27
22	Trace analysis on chromium (VI) in water by pre-concentration using a superhydrophobic surface and rapid sensing using a chemical-responsive adhesive tape. <i>Talanta</i> , 2020, 218, 121116.	2.9	8
23	Thin-film composite polyamide membrane modified by embedding functionalized boron nitride nanosheets for reverse osmosis. <i>Journal of Membrane Science</i> , 2020, 611, 118389.	4.1	56
24	Highly Sensitive Detection of Multiple MicroRNAs by High-Performance Liquid Chromatography Coupled with Long and Short Probe-Based Recycling Amplification. <i>Analytical Chemistry</i> , 2020, 92, 5033-5040.	3.2	46
25	Direct immersion single-drop microextraction of semi-volatile organic compounds in environmental samples: A review. <i>Journal of Hazardous Materials</i> , 2020, 393, 122403.	6.5	32
26	Growth of gold nanoparticles on cellulose nanofibers. <i>Cellulose</i> , 2020, 27, 5041-5053.	2.4	7
27	Dye adsorption by self-recoverable, adjustable amphiphilic graphene aerogel. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 682-691.	5.0	114
28	Enhancing Water Evaporation by Interfacial Silica Nanoparticles. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900369.	1.9	10
29	Antimony-doped tin oxide nanoparticles as peroxidase mimics for paper-based colorimetric detection of glucose using smartphone read-out. <i>Mikrochimica Acta</i> , 2019, 186, 403.	2.5	34
30	A triple-amplification strategy based on the formation of peroxidase-like two-dimensional DNA/Fe <sub>3</sub> O <sub>4</sub> networks initiated by the hybridization chain reaction for highly sensitive detection of microRNA. <i>Chemical Communications</i> , 2019, 55, 8386-8389.	2.2	26
31	Desiccation Patterns of Plasma Sessile Drops. <i>ACS Sensors</i> , 2019, 4, 1701-1709.	4.0	8
32	Intrinsic fluorescence from cellulose nanofibers and nanoparticles at cell friendly wavelengths. <i>APL Photonics</i> , 2019, 4, 020803.	3.0	15
33	Use of autoclave extraction-supercritical fluid chromatography/tandem mass spectrometry to analyze 4-(methylntrosamino)-1-(3-pyridyl)-1-butanone and N <sup>o</sup> -nitrosornicotine in tobacco. <i>Journal of Chromatography A</i> , 2019, 1595, 207-214.	1.8	4
34	Smartphone Nanocolorimetric Determination of Hydrogen Sulfide in Biosamples after Silver™ Gold Core™ Shell Nanoprism-Based Headspace Single-Drop Microextraction. <i>Analytical Chemistry</i> , 2019, 91, 5888-5895.	3.2	65
35	In-syringe extraction using compressible and self-recoverable, amphiphilic graphene aerogel as sorbent for determination of phenols. <i>Talanta</i> , 2019, 195, 165-172.	2.9	37
36	Transparent Bioreactors Based on Nanoparticle-Coated Liquid Marbles for in Situ Observation of Suspending Embryonic Body Formation and Differentiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 8789-8796.	4.0	34

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37	Effects of the perspiration on the photo-fading of reactive dyes. <i>Textile Reseach Journal</i> , 2019, 89, 688-697.	1.1	3
38	Multilayer cell culture system supported by thread. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 650-657.	4.0	17
39	Precipitation assay meets low wettability on paper: a simple approach for fabricating patterned paper sensors. <i>Cellulose</i> , 2018, 25, 583-592.	2.4	5
40	Needle-based sampling coupled with colorimetric reaction catalyzed by layered double hydroxide peroxidase mimic for rapid detection of the change of d -glucose levels with time in bananas. <i>Analytica Chimica Acta</i> , 2018, 1001, 32-39.	2.6	27
41	Multiple Factor Analysis on Preparation of Cellulose Nanofiber by Ball Milling from Softwood Pulp. <i>BioResources</i> , 2018, 13, .	0.5	9
42	Single-drop microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 108, 306-313.	5.8	122
43	Fluorometric determination of zinc(II) by using DNAzyme-modified magnetic microbeads. <i>Mikrochimica Acta</i> , 2018, 185, 447.	2.5	10
44	Inducing drop to bubble transformation via resonance in ultrasound. <i>Nature Communications</i> , 2018, 9, 3546.	5.8	49
45	Controlling the contact angle of biological sessile drops for study of their desiccated cracking patterns. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5867-5875.	2.9	19
46	pH-dependent selective ion exchange based on (ethylenediaminetetraacetic acid-nickel)-layered double hydroxide to catalyze the polymerization of aniline for detection of Cu <sup>2+</sup> and Fe <sup>3+</sup> . <i>Talanta</i> , 2018, 187, 287-294.	2.9	13
47	Effect of Bovine Serum Albumin Treatment on the Aging and Activity of Antibodies in Paper Diagnostics. <i>Frontiers in Chemistry</i> , 2018, 6, 161.	1.8	18
48	Magnetic Ni/Fe layered double hydroxide nanosheets as enhancer for DNA hairpin sensitive detection of miRNA. <i>Talanta</i> , 2018, 187, 265-271.	2.9	30
49	Preparation of nanoporous graphene oxide by nanocrystal-masked etching: toward a nacre-mimetic metal-organic framework molecular sieving membrane. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16255-16262.	5.2	42
50	Polysaccharides as protectants for paper-based analytical devices with antibody. <i>Talanta</i> , 2017, 165, 357-363.	2.9	11
51	The role of polyaminoamide-epichlorohydrin (PAE) on antibody longevity in bioactive paper. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 197-202.	2.5	15
52	Low-Cost Chemical-Responsive Adhesive Sensing Chips. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 42366-42371.	4.0	10
53	Understanding desiccation patterns of blood sessile drops. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8991-8998.	2.9	31
54	Trace Analysis and Chemical Identification on Cellulose Nanofibers-Textured SERS Substrates Using the "Coffee Ring" Effect. <i>ACS Sensors</i> , 2017, 2, 1060-1067.	4.0	62

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55	Zeolitic Imidazolate Framework/Graphene Oxide Hybrid Nanosheets as Seeds for the Growth of Ultrathin Molecular Sieving Membranes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2048-2052.	7.2	281
56	Stretchable Fiber-Confined Wetting Conductive Liquids as Wearable Human Health Monitors. <i>Advanced Functional Materials</i> , 2016, 26, 4511-4517.	7.8	79
57	Advances of Paper-Based Microfluidics for Diagnostics—The Original Motivation and Current Status. <i>ACS Sensors</i> , 2016, 1, 1382-1393.	4.0	119
58	Microchemical Study of Pigments and Binders in Polychrome Relics from Maiji Mountain Grottoes in Northwestern China. <i>Microscopy and Microanalysis</i> , 2016, 22, 845-856.	0.2	15
59	Paper-based assay for red blood cell antigen typing by the indirect antiglobulin test. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5231-5238.	1.9	15
60	Chromatic analysis by monitoring unmodified silver nanoparticles reduction on double layer microfluidic paper-based analytical devices for selective and sensitive determination of mercury(II). <i>Talanta</i> , 2016, 155, 193-201.	2.9	49
61	Characterisation of liquid marbles in commercial cosmetic products. <i>Advanced Powder Technology</i> , 2016, 27, 33-41.	2.0	14
62	Selective extraction by dissolvable (nitrioloacetic acid-nickel)-layered double hydroxide coupled with reaction with potassium thiocyanate for sensitive detection of iron(III). <i>Talanta</i> , 2016, 154, 416-422.	2.9	13
63	A novel aggregation induced emission active cyclometalated Ir(III) complex as a luminescent probe for detection of copper(II) ion in aqueous solution. <i>Journal of Luminescence</i> , 2016, 177, 299-305.	1.5	15
64	Topical issue on Wetting and Drying: Physics and Pattern Formation. <i>European Physical Journal E</i> , 2016, 39, 27.	0.7	0
65	Synthesis and characterization of UV-curable castor oil-based polyfunctional polyurethane acrylate via photo-click chemistry and isocyanate polyurethane reaction. <i>Progress in Organic Coatings</i> , 2016, 93, 11-16.	1.9	63
66	A novel cyclometalated Ir(III) complex based luminescence intensity and lifetime sensor for Cu <sup>2+</sup> . <i>RSC Advances</i> , 2016, 6, 16482-16488.	1.7	9
67	Blood drop patterns: Formation and applications. <i>Advances in Colloid and Interface Science</i> , 2016, 231, 1-14.	7.0	106
68	Light-Up Probes Based on Fluorogens with Aggregation-Induced Emission Characteristics for Monoamine Oxidase-A Activity Study in Solution and in Living Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 927-935.	4.0	49
69	An aggregation-induced emission (AIE) ratiometric fluorescent cysteine probe with an exceptionally large blue shift. <i>RSC Advances</i> , 2016, 6, 5636-5640.	1.7	25
70	REMOVED: Bioactive Paper Design for Human Blood Analysis: Paper Property Suitable for Large-scale Sensor Production. <i>Biochemical Engineering Journal</i> , 2016, 105, 473.	1.8	0
71	Red blood cell transport mechanisms in polyester thread-based blood typing devices. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1365-1371.	1.9	25
72	Stabilizing and destabilizing protein surfactant-based foams in the presence of a chemical surfactant: Effect of adsorption kinetics. <i>Journal of Colloid and Interface Science</i> , 2016, 462, 56-63.	5.0	8

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73	Contact Angles and Wettability of Cellulosic Surfaces: A Review of Proposed Mechanisms and Test Strategies. <i>BioResources</i> , 2015, 10, .	0.5	81
74	Liquid marble as microreactor for bioengineering applications. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
75	â€œPeriodic-Table-Styleâ€•Paper Device for Monitoring Heavy Metals in Water. <i>Analytical Chemistry</i> , 2015, 87, 2555-2559.	3.2	104
76	A simple and highly sensitive fluorescence assay for microRNAs. <i>Analyst, The</i> , 2015, 140, 1932-1938.	1.7	22
77	Colorimetric detection of single nucleotide polymorphisms in the presence of 10-fold excess of a wild-type gene. <i>Biosensors and Bioelectronics</i> , 2015, 68, 310-315.	5.3	17
78	Cellulose nanofibre textured SERS substrate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 468, 309-314.	2.3	42
79	Printed two-dimensional micro-ring film plate for spot assays and its functionalization by immobilized enzymes. <i>Sensors and Actuators B: Chemical</i> , 2015, 219, 268-275.	4.0	5
80	Copper Nanowires as Conductive Ink for Low-Cost Draw-On Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 16760-16766.	4.0	103
81	Low-cost blood plasma separation method using salt functionalized paper. <i>RSC Advances</i> , 2015, 5, 53172-53179.	1.7	51
82	Genotyping and quantification techniques for single-nucleotide polymorphisms. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 69, 1-13.	5.8	33
83	Coffee stains on paper. <i>Chemical Engineering Science</i> , 2015, 129, 34-41.	1.9	49
84	Hydrothermal synthesis and electrochemical performance of nanoparticle Li <sub>2</sub> FeSiO <sub>4</sub> /C cathode materials for lithium ion batteries. <i>Electrochimica Acta</i> , 2015, 167, 340-347.	2.6	14
85	A zero-step functionalization on paper-based biosensing platform for covalent biomolecule immobilization. <i>Sensing and Bio-Sensing Research</i> , 2015, 6, 13-18.	2.2	18
86	Valorisation of protein waste: An enzymatic approach to make commodity chemicals. <i>Frontiers of Chemical Science and Engineering</i> , 2015, 9, 295-307.	2.3	25
87	A low-cost forward and reverse blood typing deviceâ€”a blood sample is all you need to perform an assay. <i>Analytical Methods</i> , 2015, 7, 1186-1193.	1.3	15
88	Thermo-responsiveness and biocompatibility of star-shaped poly[2-(dimethylamino)ethyl methacrylate]-b-poly(sulfobetaine methacrylate) grafted on a Î²-cyclodextrin core. <i>RSC Advances</i> , 2015, 5, 28133-28140.	1.7	36
89	Quantum dots and duplex-specific nuclease enabled ultrasensitive detection and serotyping of Dengue viruses in one step in a single tube. <i>Biosensors and Bioelectronics</i> , 2015, 65, 327-332.	5.3	13
90	Cardiogenesis of Embryonic Stem Cells with Liquid Marble Microâ€•Bioreactor. <i>Advanced Healthcare Materials</i> , 2015, 4, 77-86.	3.9	88

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91	Carbon quantum dots and their applications. <i>Chemical Society Reviews</i> , 2015, 44, 362-381.	18.7	3,811
92	Application of (C <sub>4</sub> H <sub>12</sub> N <sub>2</sub> ) <sub>2</sub> [BiCl <sub>6</sub> ]Cl·H <sub>2</sub> O/SiO <sub>2</sub> in the Synthesis of Hydratropic Aldehyde and Its Analogs. <i>Chinese Journal of Organic Chemistry</i> , 2015, 35, 2393.	0.6	3
93	Photoelectric Properties of Novel Amide-Functionalized Ir(III) Complexes. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2015, 31, 2174-2182.	2.2	0
94	Surface Modification of Cellulose Paper for Quantum Dot-based Sensing Applications. <i>BioResources</i> , 2014, 10, .	0.5	10
95	Understanding Thread Properties for Red Blood Cell Antigen Assays: Weak ABO Blood Typing. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 22209-22215.	4.0	55
96	Synthesis of polyaniline via DNAzyme-catalyzed polymerization of aniline. <i>RSC Advances</i> , 2014, 4, 53257-53264.	1.7	16
97	Barcode-Like Paper Sensor for Smartphone Diagnostics: An Application of Blood Typing. <i>Analytical Chemistry</i> , 2014, 86, 11362-11367.	3.2	91
98	Control Performance of Paper-Based Blood Analysis Devices through Paper Structure Design. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 21624-21631.	4.0	37
99	Paper-based device for rapid typing of secondary human blood groups. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 669-677.	1.9	36
100	Gold nanoparticle- $\epsilon$ -functionalized thread as a substrate for SERS study of analytes both bound and unbound to gold. <i>AICHE Journal</i> , 2014, 60, 1598-1605.	1.8	25
101	A highly sensitive microRNA biosensor based on hybridized microRNA-guided deposition of polyaniline. <i>Biosensors and Bioelectronics</i> , 2014, 60, 195-200.	5.3	35
102	A preliminary study on the stabilization of blood typing antibodies sorbed into paper. <i>Cellulose</i> , 2014, 21, 717-727.	2.4	35
103	A highly sensitive and selective homogenous assay for profiling microRNA expression. <i>Biosensors and Bioelectronics</i> , 2014, 54, 650-655.	5.3	26
104	Semiquantitative analysis on microfluidic thread-based analytical devices by ruler. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 586-594.	4.0	75
105	Applications of metal-organic frameworks as stationary phases in chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 50, 33-41.	5.8	117
106	A label-free microRNA biosensor based on DNAzyme-catalyzed and microRNA-guided formation of a thin insulating polymer film. <i>Biosensors and Bioelectronics</i> , 2013, 44, 171-176.	5.3	35
107	Enhancing enzymatic stability of bioactive papers by implanting enzyme-immobilized mesoporous silica nanorods into paper. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4719.	2.9	15
108	An ultrasensitive homogeneous chemiluminescent assay for microRNAs. <i>Chemical Communications</i> , 2013, 49, 9401.	2.2	38

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109	Gold nanoparticles paper as a SERS bio-diagnostic platform. <i>Journal of Colloid and Interface Science</i> , 2013, 409, 59-65.	5.0	45
110	Superhydrophobic surface supported bioassay – An application in blood typing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 106, 176-180.	2.5	27
111	Microbial surface display of glucose dehydrogenase for amperometric glucose biosensor. <i>Biosensors and Bioelectronics</i> , 2013, 45, 19-24.	5.3	71
112	A novel technique for the formation of embryoid bodies inside liquid marbles. <i>RSC Advances</i> , 2013, 3, 14501.	1.7	47
113	A ferrofluid-based homogeneous assay for highly sensitive and selective detection of single-nucleotide polymorphisms. <i>Chemical Communications</i> , 2013, 49, 8114.	2.2	25
114	Damage or protection? The role of smoked crust on sandstones from Yungang Grottoes. <i>Journal of Archaeological Science</i> , 2013, 40, 935-942.	1.2	15
115	A Label-Free Biosensor for Electrochemical Detection of Femtomolar MicroRNAs. <i>Analytical Chemistry</i> , 2013, 85, 1624-1630.	3.2	121
116	An electrodeposited redox polymer–laccase composite film for highly efficient four-electron oxygen reduction. <i>Journal of Power Sources</i> , 2013, 226, 27-32.	4.0	7
117	Respirable liquid marble for the cultivation of microorganisms. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 106, 187-190.	2.5	86
118	An electronic sensor array for label-free detection of single-nucleotide polymorphisms. <i>Biosensors and Bioelectronics</i> , 2013, 43, 165-172.	5.3	14
119	Charge transport between liquid marbles. <i>Chemical Engineering Science</i> , 2013, 97, 337-343.	1.9	21
120	Detection of single-nucleotide polymorphisms based on the formation of an electron-transfer impeding layer on an electrode surface. <i>Chemical Communications</i> , 2013, 49, 370-372.	2.2	13
121	A Highly Sensitive and Selective Electrochemical Biosensor for Direct Detection of MicroRNAs in Serum. <i>Analytical Chemistry</i> , 2013, 85, 4784-4789.	3.2	199
122	A real-time colorimetric assay for label-free detection of microRNAs down to sub-femtomolar levels. <i>Chemical Communications</i> , 2013, 49, 4959.	2.2	53
123	An Interference-Free Glucose Biosensor Based on an Anionic Redox Polymer-Mediated Enzymatic Oxidation of Glucose. <i>ChemPhysChem</i> , 2013, 14, 2343-2347.	1.0	7
124	A study of the transport and immobilisation mechanisms of human red blood cells in a paper-based blood typing device using confocal microscopy. <i>Analyst</i> , The, 2013, 138, 4933.	1.7	37
125	Synthesis and Anticancer Properties of a Novel Bis-intercalator. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013, 13, 632-638.	0.9	1
126	Patterned paper and alternative materials as substrates for low-cost microfluidic diagnostics. <i>Microfluidics and Nanofluidics</i> , 2012, 13, 769-787.	1.0	142



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127	Cellulose nanofibers as binder for fabrication of superhydrophobic paper. <i>Chemical Engineering Journal</i> , 2012, 210, 74-79.	6.6	83
128	Strategy To Enhance the Wettability of Bioactive Paper-Based Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 6573-6578.	4.0	20
129	Mechanisms of red blood cells agglutination in antibody-treated paper. <i>Analyst, The</i> , 2012, 137, 2205.	1.7	69
130	Colorimetric detection of single-nucleotide polymorphisms with a real-time PCR-like sensitivity. <i>Chemical Communications</i> , 2012, 48, 10225.	2.2	23
131	A perspective on paper-based microfluidics: Current status and future trends. <i>Biomicrofluidics</i> , 2012, 6, 11301-1130113.	1.2	679
132	Validation of Paper-Based Assay for Rapid Blood Typing. <i>Analytical Chemistry</i> , 2012, 84, 1661-1668.	3.2	102
133	Gold Nanoparticle-Enabled Real-Time Ligation Chain Reaction for Ultrasensitive Detection of DNA. <i>Journal of the American Chemical Society</i> , 2012, 134, 14678-14681.	6.6	132
134	Liquid Marbles as Micro-bioreactors for Rapid Blood Typing. <i>Advanced Healthcare Materials</i> , 2012, 1, 80-83.	3.9	182
135	Tumor Inside a Pearl Drop. <i>Advanced Healthcare Materials</i> , 2012, 1, 467-469.	3.9	94
136	Paper-Based Blood Typing Device That Reports Patient's Blood Type in Writing. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5497-5501.	7.2	155
137	Nanoparticulate Peroxidase/Catalase Mimetic and Its Application. <i>Chemistry - A European Journal</i> , 2012, 18, 8906-8911.	1.7	64
138	Synthesis of water-soluble and cross-linkable ferrocenyl redox polymers for uses as mediators in biosensors. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 238-242.	4.0	16
139	Comparison Study of Oxygen Quenching of Ru(II) Phenanthroline Complexes with Different Functional Groups. <i>Acta Chimica Sinica</i> , 2012, 70, 1081.	0.5	0
140	Printed two-dimensional micro-zone plates for chemical analysis and ELISA. <i>Lab on A Chip</i> , 2011, 11, 2869.	3.1	31
141	Printing enzymatic reactions. <i>Chemical Communications</i> , 2011, 47, 1583-1585.	2.2	6
142	Tissue Engineering of Organs: Brain Tissues. , 2011, , 457-492.		1
143	Electrogenerated Chemiluminescence Detection in Paper-Based Microfluidic Sensors. <i>Analytical Chemistry</i> , 2011, 83, 1300-1306.	3.2	539
144	Measurement of the Surface Tension of Liquid Marbles. <i>Langmuir</i> , 2011, 27, 12923-12929.	1.6	72

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145	Flow control concepts for thread-based microfluidic devices. <i>Biomicrofluidics</i> , 2011, 5, 14105.	1.2	81
146	Electrical circuits from capillary flow driven evaporation deposition of carbon nanotube ink in non-porous V-grooves. <i>Journal of Colloid and Interface Science</i> , 2011, 363, 425-430.	5.0	12
147	Effect of liquid droplet impact velocity on liquid wicking kinetics in surface V-grooves. <i>Chemical Engineering Science</i> , 2011, 66, 6120-6127.	1.9	8
148	An inexpensive thread-based system for simple and rapid blood grouping. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 1869-1875.	1.9	59
149	Superhydrophobic and oleophilic calcium carbonate powder as a selective oil sorbent with potential use in oil spill clean-ups. <i>Chemical Engineering Journal</i> , 2011, 166, 787-791.	6.6	164
150	Investigation of electrospun and film-cast PVC membranes incorporated with aliquat 336 for efficient Cd extraction: A comparative study. <i>Journal of Applied Polymer Science</i> , 2011, 121, 327-335.	1.3	6
151	Quantitative biomarker assay with microfluidic paper-based analytical devices. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 495-501.	1.9	122
152	Thermal stability of bioactive enzymatic papers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 75, 239-246.	2.5	44
153	Fabrication of paper-based microfluidic sensors by printing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 564-570.	2.5	362
154	Progress in patterned paper sizing for fabrication of paper-based microfluidic sensors. <i>Cellulose</i> , 2010, 17, 649-659.	2.4	169
155	An analysis of the thermodynamic conditions for solid powder particles spreading over liquid surface. <i>Powder Technology</i> , 2010, 201, 306-310.	2.1	18
156	Effect of formulation hydrophobicity on drug distribution in wet granulation. <i>Chemical Engineering Journal</i> , 2010, 164, 330-339.	6.6	39
157	Observation of the liquid marble morphology using confocal microscopy. <i>Chemical Engineering Journal</i> , 2010, 162, 396-405.	6.6	67
158	Porous liquid marble shell offers possibilities for gas detection and gas reactions. <i>Chemical Engineering Journal</i> , 2010, 165, 347-353.	6.6	88
159	Biosurface engineering through ink jet printing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 75, 441-447.	2.5	81
160	SPINOL-Derived Phosphoric Acids: Synthesis and Application in Enantioselective FriedelâCrafts Reaction of Indoles with Imines. <i>Journal of Organic Chemistry</i> , 2010, 75, 8677-8680.	1.7	240
161	Capillary driven low-cost V-groove microfluidic device with high sample transport efficiency. <i>Lab on A Chip</i> , 2010, 10, 2258.	3.1	52
162	Thread as a Versatile Material for Low-Cost Microfluidic Diagnostics. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 1-6.	4.0	245

#	ARTICLE	IF	CITATIONS
163	Paper Diagnostic for Instantaneous Blood Typing. <i>Analytical Chemistry</i> , 2010, 82, 4158-4164.	3.2	177
164	Liquid marble for gas sensing. <i>Chemical Communications</i> , 2010, 46, 4734.	2.2	215
165	Ink Transfer and Refusal Mechanisms in Waterless Offset Printing. <i>Journal of Adhesion Science and Technology</i> , 2009, 23, 281-296.	1.4	2
166	Rewetting effects and droplet motion on partially wetted powder surfaces. <i>AIChE Journal</i> , 2009, 55, 1402-1415.	1.8	16
167	Fabrication and characterization of electrospun PVDF-aliquat 336 fibre membrane for removal of cadmium from hydrochloric acid solutions. <i>Journal of Materials Science</i> , 2009, 44, 1101-1106.	1.7	10
168	Liquid marble formation: Spreading coefficients or kinetic energy?. <i>Powder Technology</i> , 2009, 196, 126-132.	2.1	64
169	An experimental method for measuring the spreading velocity of surface active substances on thin films of liquid substrate. <i>Chemical Engineering Science</i> , 2009, 64, 3311-3319.	1.9	1
170	Drop penetration time in heterogeneous powder beds. <i>Chemical Engineering Science</i> , 2009, 64, 5210-5221.	1.9	72
171	Dynamics of colloidal pitch adsorption at the solid-liquid interface by surface plasmon resonance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 341, 127-133.	2.3	2
172	Surface and bulk characterisation of electrospun membranes: Problems and improvements. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 71, 1-12.	2.5	39
173	Adhesion and anti-adhesion of viscous fluids on solid surfaces—A study of ink transfer mechanism in waterless offset printing. <i>Journal of Colloid and Interface Science</i> , 2008, 318, 348-357.	5.0	13
174	Roughness effects of cellulose and paper substrates on water drop impact and recoil. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 330, 151-160.	2.3	28
175	Forced wetting and dewetting of liquids on solid surfaces and their roles in offset printing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 316, 62-69.	2.3	18
176	Paper-Based Microfluidic Devices by Plasma Treatment. <i>Analytical Chemistry</i> , 2008, 80, 9131-9134.	3.2	546
177	Isothermal Noncoalescence of Liquid Droplets at the Air-Liquid Interface. <i>Langmuir</i> , 2008, 24, 3199-3204.	1.6	9
178	The role of vapour deposition in the hydrophobization treatment of cellulose fibres using alkyl ketene dimers and alkenyl succinic acid anhydrides. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 297, 203-210.	2.3	35
179	Liquid-paper interactions during liquid drop impact and recoil on paper surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 280, 203-215.	2.3	42
180	Chemical and morphological stability of Aliquat 336/PVC membranes in membrane extraction: A preliminary study. <i>Separation and Purification Technology</i> , 2005, 46, 51-62.	3.9	22

#	ARTICLE	IF	CITATIONS
181	Chemical composition of AKD vapour and its implication to AKD vapour sizing. Cellulose, 2005, 12, 641-652.	2.4	16
182	The Influence of the Interior Structure of Aliquat 336/PVC Membranes to their Extraction Behavior. Separation Science and Technology, 2005, 39, 3527-3539.	1.3	22
183	A new understanding on the mechanism of fountain solution in the prevention of ink transfer to the non-image area in conventional offset lithography. Journal of Adhesion Science and Technology, 2004, 18, 1861-1887.	1.4	8
184	Improved membranes for the extraction of heavy metals. Fibers and Polymers, 2004, 5, 68-74.	1.1	3
185	An investigation of solubility of Aliquat 336 in different extracted solutions. Fibers and Polymers, 2003, 4, 27-31.	1.1	23
186	An experimental investigation of the redistribution behaviour of alkyl ketene dimers and their corresponding ketones. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 212, 197-209.	2.3	14
187	A novel polymer membrane for extraction applications. Fibers and Polymers, 2002, 3, 68-72.	1.1	4
188	A Preliminary Study of the Spreading of AKD in the Presence of Capillary Structures. Journal of Colloid and Interface Science, 2001, 240, 172-181.	5.0	21
189	Surface Composition and Surface Energetics of Various Eucalypt Pulps. Cellulose, 1999, 6, 41-55.	2.4	29
190	Recent Advances in the Application of Covalent Organic Frameworks in Extraction: A Review. Critical Reviews in Analytical Chemistry, 0, , 1-34.	1.8	20