

Ru-Qin Yu

List of Publications by Year in descending order

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335
papers

9,018
citations

46918

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72
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all docs

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docs citations

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times ranked

8872
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#	ARTICLE	IF	CITATIONS
1	Quantitative analysis of carbaryl and thiabendazole in complex matrices using excitation-emission fluorescence matrices with second-order calibration methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120267.	2.0	9
2	Geographical origin traceability of traditional Chinese medicine <i>Atractylodes macrocephala</i> Koidz. by using multi-way fluorescence fingerprint and chemometric methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 269, 120737.	2.0	14
3	Label-free and sensitive microRNA detection method based on the locked nucleic acid assisted fishing amplification strategy. <i>Talanta</i> , 2022, 240, 123169.	2.9	1
4	Piecewise direct standardization assisted with second-order calibration methods to solve signal instability in high-performance liquid chromatography-diode array detection systems. <i>Journal of Chromatography A</i> , 2022, 1667, 462851.	1.8	4
5	Partial induced reorientation of 5CB in a liquid crystal microarray and a signal-on sensing assay for the detection of aflatoxin B1. <i>Chemical Communications</i> , 2022, 58, 5009-5012.	2.2	4
6	Construction and Research of Multiple Stimuli-Responsive 2D Photonic Crystal DNA Hydrogel Sensing Platform with Double-Network Structure and Signal Self-Expression. <i>Analytical Chemistry</i> , 2022, 94, 5530-5537.	3.2	20
7	Single Molecule-Level Detection via Liposome-Based Signal Amplification Mass Spectrometry Counting Assay. <i>Analytical Chemistry</i> , 2022, 94, 6120-6129.	3.2	8
8	Data fusion of synchronous fluorescence and surface enhanced Raman scattering spectroscopies for geographical origin traceability of <i>Atractylodes macrocephala</i> Koidz. <i>Spectroscopy Letters</i> , 2022, 55, 290-301.	0.5	1
9	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry combined with chemometrics to identify the origin of Chinese medicinal materials. <i>RSC Advances</i> , 2022, 12, 16886-16892.	1.7	4
10	Quantification of miRNAs by mass spectrometry based on DNase I-assisted amplification with the aid of a chemometric model. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2022, 227, 104603.	1.8	2
11	Ultrasensitive detection of protein biomarkers by MALDI-TOF mass spectrometry based on ZnFe ₂ O ₄ nanoparticles and mass tagging signal amplification. <i>Talanta</i> , 2021, 224, 121848.	2.9	13
12	A chemometric comparison of different models in fluorescence analysis of dabigatran etexilate and dabigatran. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 118988.	2.0	4
13	Comparison of three chemometric methods for processing HPLC-DAD data with time shifts: Simultaneous determination of ten molecular targeted anti-tumor drugs in different biological samples. <i>Talanta</i> , 2021, 224, 121798.	2.9	15
14	Excitation-emission matrix fluorescence spectroscopy coupled with multi-way chemometric techniques for characterization and classification of Chinese lager beers. <i>Food Chemistry</i> , 2021, 342, 128235.	4.2	23
15	Boronate carbon nanoparticles featuring efficient FRET for activatable two-photon fluorescence imaging of sialic acid surface-abundant tumor cells. <i>Analyst, The</i> , 2021, 146, 5567-5573.	1.7	0
16	Highly Sensitive and Specific Mass Spectrometric Platform for miRNA Detection Based on the Multiple-Metal-Nanoparticle Tagging Strategy. <i>Analytical Chemistry</i> , 2021, 93, 5839-5848.	3.2	23
17	DNAzyme cascade circuits in highly integrated DNA nanomachines for sensitive microRNAs imaging in living cells. <i>Biosensors and Bioelectronics</i> , 2021, 177, 112976.	5.3	26
18	Three efficient chemometrics assisted fluorimetric detection methods for interference-free, rapid, and simultaneous determination of ibrutinib and pralatrexate in various complicated biological fluids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 252, 119419.	2.0	8

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19	Single-Nanoparticle ICP-MS for Sensitive Detection of Uracil-DNA Glycosylase Activity. <i>Analytical Chemistry</i> , 2021, 93, 8381-8385.	3.2	16
20	Label-free microRNA detection through analyzing the length distribution pattern of the residual fragments of probe DNA produced during exonuclease III assisted signal amplification by mass spectrometry. <i>Talanta</i> , 2021, 231, 122414.	2.9	6
21	Control of Liquid Crystal Microarray Optical Signals Using a Microspectral Mode Based on Photonic Crystal Structures. <i>Analytical Chemistry</i> , 2021, 93, 11887-11895.	3.2	8
22	Fast identification of the geographical origin of <i>Gastrodia elata</i> using excitation-emission matrix fluorescence and chemometric methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 258, 119798.	2.0	23
23	Simultaneous determination of nine tyrosine kinase inhibitors in three complex biological matrices by using high-performance liquid chromatography-diode array detection combined with a second-order calibration method. <i>Journal of Separation Science</i> , 2021, 44, 3914-3923.	1.3	2
24	Simultaneous and rapid screening and determination of twelve azo dyes illegally added into food products by using chemometrics-assisted HPLC-DAD strategy. <i>Microchemical Journal</i> , 2021, 171, 106775.	2.3	11
25	Rapid determination of sulfamethoxazole and trimethoprim illegally added to health products using excitation-emission matrix fluorescence coupled with the second-order calibration method. <i>Analytical Methods</i> , 2021, 13, 5075-5084.	1.3	8
26	Rapid and simultaneous determination of three fluoroquinolones in animal-derived foods using excitation-emission matrix fluorescence coupled with second-order calibration method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117458.	2.0	15
27	A novel ratiometric fluorescent sensing method based on MnO ₂ nanosheet for sensitive detection of alkaline phosphatase in serum. <i>Talanta</i> , 2020, 209, 120528.	2.9	12
28	An assumption-free quantitative polymerase chain reaction method with internal standard. <i>Talanta</i> , 2020, 220, 121405.	2.9	2
29	Activatable CRISPR Transcriptional Circuits Generate Functional RNA for mRNA Sensing and Silencing. <i>Angewandte Chemie</i> , 2020, 132, 18758-18763.	1.6	2
30	Cascade Circuits on Self-Assembled DNA Polymers for Targeted RNA Imaging In Vivo. <i>Analytical Chemistry</i> , 2020, 92, 15953-15958.	3.2	21
31	Detection of microRNAs by the combination of Exonuclease-III assisted target recycling amplification and repeated-fishing strategy. <i>Analytica Chimica Acta</i> , 2020, 1131, 1-8.	2.6	8
32	A bipedal DNA nanowalker fueled by catalytic assembly for imaging of base-excision repairing in living cells. <i>Chemical Science</i> , 2020, 11, 10361-10366.	3.7	71
33	Ratiometric sensors with selective fluorescence enhancement effects based on photonic crystals for the determination of acetylcholinesterase and its inhibitor. <i>Journal of Materials Chemistry B</i> , 2020, 8, 11001-11009.	2.9	9
34	Exploiting second-order advantage from mathematically modeled liquid chromatography-mass spectrometry data for simultaneous determination of polyphenols in Chinese propolis. <i>Microchemical Journal</i> , 2020, 157, 105003.	2.3	10
35	DNA-Programmed plasmonic ELISA for the ultrasensitive detection of protein biomarkers. <i>Analyst</i> , The, 2020, 145, 4860-4866.	1.7	12
36	Recent advances in chemical multi-way calibration with second-order or higher-order advantages: Multilinear models, algorithms, related issues and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 130, 115954.	5.8	53

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37	Simultaneous imaging of lysosomal and mitochondrial viscosity during mitophagy using molecular rotors with dual-color emission. <i>Chemical Communications</i> , 2020, 56, 7797-7800.	2.2	18
38	<i>In vivo</i> mRNA imaging based on tripartite DNA probe mediated catalyzed hairpin assembly. <i>Chemical Communications</i> , 2020, 56, 8782-8785.	2.2	27
39	Coupling bootstrap with synergy self-organizing map-based orthogonal partial least squares discriminant analysis: Stable metabolic biomarker selection for inherited metabolic diseases. <i>Talanta</i> , 2020, 219, 121370.	2.9	13
40	Activatable CRISPR Transcriptional Circuits Generate Functional RNA for mRNA Sensing and Silencing. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18599-18604.	7.2	26
41	Single-Nanoparticle ICPMS DNA Assay Based on Hybridization-Chain-Reaction-Mediated Spherical Nucleic Acid Assembly. <i>Analytical Chemistry</i> , 2020, 92, 2379-2382.	3.2	46
42	Exploration advantages of data combination and partition: First chemometric analysis of liquid chromatography-mass spectrometry data in full scan mode with quadrupole fragmentor voltages. <i>Analytica Chimica Acta</i> , 2020, 1110, 158-168.	2.6	7
43	Photonic crystal enhanced gold-silver nanoclusters fluorescent sensor for Hg ²⁺ ion. <i>Analytica Chimica Acta</i> , 2020, 1114, 50-57.	2.6	34
44	A tumour mRNA-triggered nanoassembly for enhanced fluorescence imaging-guided photodynamic therapy. <i>Nanoscale</i> , 2020, 12, 8727-8731.	2.8	15
45	Three-dimensional DNA nanostructures for dual-color microRNA imaging in living cells <i>via</i> hybridization chain reaction. <i>Chemical Communications</i> , 2020, 56, 6668-6671.	2.2	19
46	A simple method for direct modeling of second-order liquid chromatographic data with retention time shifts and holding the second-order advantage. <i>Journal of Chromatography A</i> , 2019, 1605, 360360.	1.8	21
47	Recombinant Fusion Streptavidin as a Scaffold for DNA Nanotetrads for Nucleic Acid Delivery and Telomerase Activity Imaging in Living Cells. <i>Analytical Chemistry</i> , 2019, 91, 9361-9365.	3.2	20
48	Cyclodextrin supramolecular inclusion-enhanced pyrene excimer switching for highly selective detection of RNase H. <i>Analytica Chimica Acta</i> , 2019, 1088, 137-143.	2.6	13
49	Programmable Self-Assembly of Protein-Scaffolded DNA Nanohydrogels for Tumor-Targeted Imaging and Therapy. <i>Analytical Chemistry</i> , 2019, 91, 2610-2614.	3.2	39
50	Duplex-specific nuclease-mediated target recycling amplification for fluorescence detection of microRNA. <i>Analytical Methods</i> , 2019, 11, 200-204.	1.3	7
51	Mitochondrial-targeted near-infrared fluorescence probe for selective detection of fluoride ions in living cells. <i>Talanta</i> , 2019, 204, 655-662.	2.9	29
52	DNAzyme activated protein-scaffolded CRISPR-Cas9 nanoassembly for genome editing. <i>Chemical Communications</i> , 2019, 55, 6511-6514.	2.2	18
53	Rapid identification and quantification of cheaper vegetable oil adulteration in camellia oil by using excitation-emission matrix fluorescence spectroscopy combined with chemometrics. <i>Food Chemistry</i> , 2019, 293, 348-357.	4.2	70
54	Proximity-induced hybridization chain assembly with small-molecule linked DNA for single-step amplified detection of antibodies. <i>Chemical Communications</i> , 2019, 55, 4387-4390.	2.2	16

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55	Simultaneous and fast determination of bisphenol A and diphenyl carbonate in polycarbonate plastics by using excitation-emission matrix fluorescence couples with second-order calibration method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 216, 283-289.	2.0	16
56	A single promoter system co-expressing RNA sensor with fluorescent proteins for quantitative mRNA imaging in living tumor cells. <i>Chemical Science</i> , 2019, 10, 4828-4833.	3.7	17
57	Target-based metabolomics for fast and sensitive quantification of eight small molecules in human urine using HPLC-DAD and chemometrics tools resolving of highly overlapping peaks. <i>Talanta</i> , 2019, 201, 174-184.	2.9	25
58	Mitochondrion-Targeting Fluorescence Probe via Reduction Induced Charge Transfer for Fast Methionine Sulfoxide Reductases Imaging. <i>Analytical Chemistry</i> , 2019, 91, 5489-5493.	3.2	23
59	Quantification of enantiomers by mass spectrometry based on chemical derivatization and spectral shape deformation quantitative theory. <i>Journal of Mass Spectrometry</i> , 2019, 54, 250-257.	0.7	0
60	An intramolecular charge transfer and excited state intramolecular proton transfer based fluorescent probe for highly selective detection and imaging of formaldehyde in living cells. <i>Analyst</i> , 2019, 144, 6922-6927.	1.7	21
61	Highly specific and sensitive detection of microRNAs by tandem signal amplification based on duplex-specific nuclease and strand displacement. <i>Chemical Communications</i> , 2019, 55, 14210-14213.	2.2	22
62	Generalized ratiometric fluorescence nanosensors based on carbon dots and an advanced chemometric model. <i>Talanta</i> , 2019, 192, 233-240.	2.9	8
63	Label-Free and Multiplexed Quantification of microRNAs by Mass Spectrometry Based on Duplex-Specific-Nuclease-Assisted Recycling Amplification. <i>Analytical Chemistry</i> , 2019, 91, 2120-2127.	3.2	41
64	Quantitation of cobalt in Chinese tea by surface-enhanced Raman spectroscopy in combination with the spectral shape deformation quantitative theory. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 322-329.	1.2	3
65	Simultaneously quantifying intracellular FAD and FMN using a novel strategy of intrinsic fluorescence four-way calibration. <i>Talanta</i> , 2019, 197, 105-112.	2.9	17
66	A novel algorithm for second-order calibration of three-way data in fluorescence assays of multiple breast cancer-related DNAs. <i>Talanta</i> , 2019, 195, 433-440.	2.9	6
67	Single-step, high-specificity detection of single nucleotide mutation by primer-activatable loop-mediated isothermal amplification (PA-LAMP). <i>Analytica Chimica Acta</i> , 2019, 1050, 132-138.	2.6	16
68	Rapid and Sensitive Detection of Multi-Class Food Additives in Beverages for Quality Control by Using HPLC-DAD and Chemometrics Methods. <i>Food Analytical Methods</i> , 2019, 12, 381-393.	1.3	23
69	Development of large Stokes shift, near-infrared fluorescence probe for rapid and bioorthogonal imaging of nitroxyl (HNO) in living cells. <i>Talanta</i> , 2019, 193, 152-160.	2.9	17
70	Chemometrics-assisted liquid chromatography-full scan mass spectrometry for simultaneous determination of multi-class estrogens in infant milk powder. <i>Analytical Methods</i> , 2018, 10, 1459-1471.	1.3	15
71	A flexible and novel strategy of alternating trilinear decomposition method coupled with two-dimensional linear discriminant analysis for three-way chemical data analysis: Characterization and classification. <i>Analytica Chimica Acta</i> , 2018, 1021, 28-40.	2.6	18
72	Activatable Fluorescence Probe via Self-Immolative Intramolecular Cyclization for Histone Deacetylase Imaging in Live Cells and Tissues. <i>Analytical Chemistry</i> , 2018, 90, 5534-5539.	3.2	43

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73	Rapid and interference-free analysis of nine B-group vitamins in energy drinks using trilinear component modeling of liquid chromatography-mass spectrometry data. <i>Talanta</i> , 2018, 180, 108-119.	2.9	22
74	Sensitive fluorescence sensing of T4 polynucleotide kinase activity and inhibition based on DNA/polydopamine nanospheres platform. <i>Talanta</i> , 2018, 180, 271-276.	2.9	23
75	Branched Hybridization Chain Reaction Circuit for Ultrasensitive Localizable Imaging of mRNA in Living Cells. <i>Analytical Chemistry</i> , 2018, 90, 1502-1505.	3.2	83
76	Simultaneous detection of multiple inherited metabolic diseases using GC-MS urinary metabolomics by chemometrics multi-class classification strategies. <i>Talanta</i> , 2018, 186, 489-496.	2.9	16
77	Internal standard-based SERS aptasensor for ultrasensitive quantitative detection of Ag ⁺ ion. <i>Talanta</i> , 2018, 185, 30-36.	2.9	33
78	Tumor-Targeted Graphitic Carbon Nitride Nanoassembly for Activatable Two-Photon Fluorescence Imaging. <i>Analytical Chemistry</i> , 2018, 90, 4649-4656.	3.2	49
79	Novel Sensitive Fluorometric Determination of Exonuclease I Using Polydopamine Nanospheres. <i>Analytical Letters</i> , 2018, 51, 998-1012.	1.0	3
80	Novel ratiometric surface-enhanced raman spectroscopy aptasensor for sensitive and reproducible sensing of Hg ²⁺ . <i>Biosensors and Bioelectronics</i> , 2018, 99, 646-652.	5.3	63
81	A novel mitochondrial-targeting near-infrared fluorescent probe for imaging β -glutamyl transpeptidase activity in living cells. <i>Analyst</i> , 2018, 143, 5530-5535.	1.7	21
82	Chemometrics-assisted HPLC-DAD as a rapid and interference-free strategy for simultaneous determination of 17 polyphenols in raw propolis. <i>Analytical Methods</i> , 2018, 10, 5577-5588.	1.3	15
83	Quantification of Cadmium in Rice by Surface-enhanced Raman Spectroscopy Based on a Ratiometric Indicator and Conical Holed Enhancing Substrates. <i>Analytical Sciences</i> , 2018, 34, 1405-1410.	0.8	17
84	Chemometrics in China. <i>Journal of Chemometrics</i> , 2018, 32, e3094.	0.7	1
85	Multivalent Self-Assembled DNA Polymer for Tumor-Targeted Delivery and Live Cell Imaging of Telomerase Activity. <i>Analytical Chemistry</i> , 2018, 90, 13188-13192.	3.2	35
86	Aggregation-Induced Emission-Based Fluorescence Probe for Fast and Sensitive Imaging of Formaldehyde in Living Cells. <i>ACS Omega</i> , 2018, 3, 14417-14422.	1.6	25
87	Application of gold-silver nanocluster based fluorescent sensors for determination of acetylcholinesterase activity and its inhibitor. <i>Materials Research Express</i> , 2018, 5, 065027.	0.8	8
88	Light-up RNA aptamer enabled label-free protein detection via a proximity induced transcription assay. <i>Chemical Communications</i> , 2018, 54, 8877-8880.	2.2	26
89	Simultaneous and interference-free determination of eleven non-steroidal anti-inflammatory drugs illegally added into Chinese patent drugs using chemometrics-assisted HPLC-DAD strategy. <i>Science China Chemistry</i> , 2018, 61, 739-749.	4.2	12
90	Small molecule-linked programmable DNA for washing-free imaging of cell surface biomarkers. <i>Talanta</i> , 2018, 190, 429-435.	2.9	11

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91	Rapid, simultaneous and interference-free determination of three rhodamine dyes illegally added into chilli samples using excitation-emission matrix fluorescence coupled with second-order calibration method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 141-149.	2.0	19
92	Chemometrics-assisted liquid chromatography with full scan mass spectrometry for the interference-free determination of glucocorticoids illegally added to face masks. <i>Journal of Separation Science</i> , 2018, 41, 3527-3537.	1.3	14
93	Simultaneous determination of umbelliferone and scopoletin in Tibetan medicine <i>Saussurea laniceps</i> and traditional Chinese medicine <i>Radix angelicae pubescentis</i> using excitation-emission matrix fluorescence coupled with second-order calibration method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 170, 104-110.	2.0	39
94	Detection of inborn errors of metabolism utilizing GC-MS urinary metabolomics coupled with a modified orthogonal partial least squares discriminant analysis. <i>Talanta</i> , 2017, 165, 545-552.	2.9	35
95	In Situ Imaging of Individual mRNA Mutation in Single Cells Using Ligation-Mediated Branched Hybridization Chain Reaction (Ligation-bHCR). <i>Analytical Chemistry</i> , 2017, 89, 3445-3451.	3.2	52
96	Fast and simultaneous determination of 12 polyphenols in apple peel and pulp by using chemometrics-assisted high-performance liquid chromatography with diode array detection. <i>Journal of Separation Science</i> , 2017, 40, 1651-1659.	1.3	13
97	Novel Aptasensor Platform Based on Ratiometric Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2017, 89, 2852-2858.	3.2	53
98	Direct and interference-free determination of thirteen phenolic compounds in red wines using a chemometrics-assisted HPLC-DAD strategy for authentication of vintage year. <i>Analytical Methods</i> , 2017, 9, 3361-3374.	1.3	33
99	A novel calibration strategy based on background correction for quantitative circular dichroism spectroscopy. <i>Talanta</i> , 2017, 174, 320-324.	2.9	3
100	A dual enzyme-inorganic hybrid nanoflower incorporated microfluidic paper-based analytic device (1/4PAD) biosensor for sensitive visualized detection of glucose. <i>Nanoscale</i> , 2017, 9, 5658-5663.	2.8	95
101	Interference-free spectrofluorometric quantification of aristolochic acid I and aristololactam I in five Chinese herbal medicines using chemical derivatization enhancement and second-order calibration methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 175, 229-238.	2.0	17
102	Chemometrics-enhanced liquid chromatography-full scan-mass spectrometry for interference-free analysis of multi-class mycotoxins in complex cereal samples. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 160, 125-138.	1.8	28
103	Mitochondrion-Targeting, Environment-Sensitive Red Fluorescent Probe for Highly Sensitive Detection and Imaging of Vicinal Dithiol-Containing Proteins. <i>Analytical Chemistry</i> , 2017, 89, 11203-11207.	3.2	27
104	CoOOH-induced synthesis of fluorescent polydopamine nanoparticles for the detection of Ascorbic acid. <i>Analytical Methods</i> , 2017, 9, 5518-5524.	1.3	28
105	Smart Photonic Crystal Hydrogel Material for Uranyl Ion Monitoring and Removal in Water. <i>Advanced Functional Materials</i> , 2017, 27, 1702147.	7.8	92
106	A label-free and highly sensitive strategy for uracil-DNA glycosylase activity detection based on stem-loop primer-mediated exponential amplification (SPEA). <i>Analytica Chimica Acta</i> , 2017, 991, 127-132.	2.6	20
107	Core-Shell Multifunctional Nanoplatform for Intracellular Tumor-Related mRNAs Imaging and Near-Infrared Light Triggered Photodynamic-Photothermal Synergistic Therapy. <i>Analytical Chemistry</i> , 2017, 89, 10321-10328.	3.2	63
108	A novel fluorescent probe for sensitive detection and imaging of hydrazine in living cells. <i>Talanta</i> , 2017, 162, 225-231.	2.9	49

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109	Sensitive inkjet printing paper-based colorimetric strips for acetylcholinesterase inhibitors with indoxyl acetate substrate. <i>Talanta</i> , 2017, 162, 174-179.	2.9	35
110	A Novel Biosensor Based on Terminal Protection and Fluorescent Copper Nanoparticles for Detecting Potassium Ion. <i>Analytical Sciences</i> , 2017, 33, 1369-1374.	0.8	4
111	A novel logic gate based on liquid-crystals responding to the DNA conformational transition. <i>Analyst</i> , The, 2016, 141, 2870-2873.	1.7	8
112	A novel, label-free fluorescent aptasensor for cocaine detection based on a G-quadruplex and ruthenium polypyridyl complex molecular light switch. <i>Analytical Methods</i> , 2016, 8, 3740-3746.	1.3	20
113	Chemometrics-enhanced full scan mode of liquid chromatography-mass spectrometry for the simultaneous determination of six co-eluted sulfonylurea-type oral antidiabetic agents in complex samples. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 155, 62-72.	1.8	24
114	Quantitative generalized ratiometric fluorescence spectroscopy for turbid media based on probe encapsulated by biologically localized embedding. <i>Analytica Chimica Acta</i> , 2016, 921, 38-45.	2.6	6
115	Graphene oxide-peptide nanoassembly as a general approach for monitoring the activity of histone deacetylases. <i>Analyst</i> , The, 2016, 141, 3989-3992.	1.7	13
116	Generalized multiple internal standard method for quantitative liquid chromatography mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1445, 112-117.	1.8	9
117	An aptasensor based on cobalt oxyhydroxide nanosheets for the detection of thrombin. <i>Analytical Methods</i> , 2016, 8, 7199-7203.	1.3	16
118	A ligation-based loop-mediated isothermal amplification (ligation-LAMP) strategy for highly selective microRNA detection. <i>Chemical Communications</i> , 2016, 52, 12721-12724.	2.2	65
119	MnO ₂ -induced synthesis of fluorescent polydopamine nanoparticles for reduced glutathione sensing in human whole blood. <i>Nanoscale</i> , 2016, 8, 15604-15610.	2.8	87
120	Label-Free Photonic Crystal-Based β -Lactamase Biosensor for β -Lactam Antibiotic and β -Lactamase Inhibitor. <i>Analytical Chemistry</i> , 2016, 88, 9207-9212.	3.2	34
121	Graphene oxide based DNA nanoswitches as a programmable pH-responsive biosensor. <i>Analytical Methods</i> , 2016, 8, 6982-6985.	1.3	9
122	Graphitic Carbon Nitride Nanosheets-Based Ratiometric Fluorescent Probe for Highly Sensitive Detection of H ₂ O ₂ and Glucose. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33439-33445.	4.0	159
123	Surface Enhanced Laser Desorption Ionization of Phospholipids on Gold Nanoparticles for Mass Spectrometric Immunoassay. <i>Analytical Chemistry</i> , 2016, 88, 9881-9884.	3.2	20
124	Mass spectrometry based trinucleotide repeat sequence detection using target fragment assay. <i>Analytical Methods</i> , 2016, 8, 5039-5044.	1.3	3
125	Bimetallic gold-silver nanocluster fluorescent probes for Cr(III) and Cr(VI). <i>Analytical Methods</i> , 2016, 8, 7237-7241.	1.3	25
126	Melanin-Like Nanoquencher on Graphitic Carbon Nitride Nanosheets for Tyrosinase Activity and Inhibitor Assay. <i>Analytical Chemistry</i> , 2016, 88, 8355-8358.	3.2	67

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127	Loop-mediated isothermal amplification (LAMP): real-time methods for the detection of the survivin gene in cancer cells. <i>Analytical Methods</i> , 2016, 8, 6277-6283.	1.3	6
128	An activatable fluorescent probe with an ultrafast response and large Stokes shift for live cell bioimaging of hypochlorous acid. <i>RSC Advances</i> , 2016, 6, 107910-107915.	1.7	9
129	Efficient pattern unmixing of multiplex proteins based on variable weighting of texture descriptors. <i>Analytical Methods</i> , 2016, 8, 8188-8195.	1.3	4
130	A chemometrics-assisted excitation-emission matrix fluorescence method for simultaneous determination of arbutin and hydroquinone in cosmetic products. <i>Analytical Methods</i> , 2016, 8, 4941-4948.	1.3	20
131	Silver nanocluster-lightened hybridization chain reaction. <i>RSC Advances</i> , 2016, 6, 57502-57506.	1.7	10
132	Plasmon Coupling Enhanced Raman Scattering Nanobeacon for Single-Step, Ultrasensitive Detection of Cholera Toxin. <i>Analytical Chemistry</i> , 2016, 88, 7447-7452.	3.2	22
133	Quantitative fluorescence kinetic analysis of NADH and FAD in human plasma using three- and four-way calibration methods capable of providing the second-order advantage. <i>Analytica Chimica Acta</i> , 2016, 910, 36-44.	2.6	21
134	Chemometrics-assisted high performance liquid chromatography-diode array detection strategy to solve varying interfering patterns from different chromatographic columns and sample matrices for beverage analysis. <i>Journal of Chromatography A</i> , 2016, 1435, 75-84.	1.8	27
135	Light-up Sensing of human 8-oxoguanine DNA glycosylase activity by target-induced autocatalytic DNAzyme-generated rolling circle amplification. <i>Biosensors and Bioelectronics</i> , 2016, 79, 679-684.	5.3	35
136	Determination of benzo[a]pyrene in cigarette mainstream smoke by using mid-infrared spectroscopy associated with a novel chemometric algorithm. <i>Analytica Chimica Acta</i> , 2016, 902, 43-49.	2.6	9
137	Conformational switching of G-quadruplexes as a label-free platform for the fluorescence detection of Ag ⁺ and biothiols. <i>Analytical Methods</i> , 2016, 8, 311-315.	1.3	14
138	Fabrication of a LRET-based upconverting hybrid nanocomposite for turn-on sensing of H ₂ O ₂ and glucose. <i>Nanoscale</i> , 2016, 8, 8939-8946.	2.8	54
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