

Ru-Qin Yu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Highly Sensitive and Selective Strategy for MicroRNA Detection Based on WS ₂ Nanosheet Mediated Fluorescence Quenching and Duplex-Specific Nuclease Signal Amplification. <i>Analytical Chemistry</i> , 2014, 86, 1361-1365.	6.5	348
2	MnO ₂ -Nanosheet-Modified Upconversion Nanosystem for Sensitive Turn-On Fluorescence Detection of H ₂ O ₂ and Glucose in Blood. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10548-10555.	8.0	315
3	Electrochemical Aptasensor Based on Proximity-Dependent Surface Hybridization Assay for Single-Step, Reusable, Sensitive Protein Detection. <i>Journal of the American Chemical Society</i> , 2007, 129, 15448-15449.	13.7	193
4	A novel trilinear decomposition algorithm for second-order linear calibration. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2000, 52, 75-86.	3.5	185
5	A Targeted, Self-Delivered, and Photocontrolled Molecular Beacon for mRNA Detection in Living Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 12952-12955.	13.7	185
6	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.	8.0	159
7	A Highly Sensitive Target-Primed Rolling Circle Amplification (TPRCA) Method for Fluorescent <i>in Situ</i> Hybridization Detection of MicroRNA in Tumor Cells. <i>Analytical Chemistry</i> , 2014, 86, 1808-1815.	6.5	132
8	Alternating penalty trilinear decomposition algorithm for second-order calibration with application to interference-free analysis of excitation-emission matrix fluorescence data. <i>Journal of Chemometrics</i> , 2005, 19, 65-76.	1.3	122
9	A fluorescent graphitic carbon nitride nanosheet biosensor for highly sensitive, label-free detection of alkaline phosphatase. <i>Nanoscale</i> , 2016, 8, 4727-4732.	5.6	97
10	A dual enzyme- <i>inorganic</i> hybrid nanoflower incorporated microfluidic paper-based analytic device (1/4PAD) biosensor for sensitive visualized detection of glucose. <i>Nanoscale</i> , 2017, 9, 5658-5663.	5.6	95
11	Smart Photonic Crystal Hydrogel Material for Uranyl Ion Monitoring and Removal in Water. <i>Advanced Functional Materials</i> , 2017, 27, 1702147.	14.9	92
12	Recent developments of chemical multiway calibration methodologies with second-order or higher-order advantages. <i>Journal of Chemometrics</i> , 2014, 28, 476-489.	1.3	91
13	Phospholipid-Modified Upconversion Nanoprobe for Ratiometric Fluorescence Detection and Imaging of Phospholipase D in Cell Lysate and in Living Cells. <i>Analytical Chemistry</i> , 2014, 86, 7119-7127.	6.5	90
14	MnO ₂ -induced synthesis of fluorescent polydopamine nanoparticles for reduced glutathione sensing in human whole blood. <i>Nanoscale</i> , 2016, 8, 15604-15610.	5.6	87
15	Branched Hybridization Chain Reaction Circuit for Ultrasensitive Localizable Imaging of mRNA in Living Cells. <i>Analytical Chemistry</i> , 2018, 90, 1502-1505.	6.5	83
16	Efficient way to estimate the optimum number of factors for trilinear decomposition. <i>Analytica Chimica Acta</i> , 2001, 444, 295-307.	5.4	75
17	Interference-free determination of Sudan dyes in chilli foods using second-order calibration algorithms coupled with HPLC-DAD. <i>Talanta</i> , 2007, 72, 926-931.	5.5	75
18	Quantitative Spectroscopic Analysis of Heterogeneous Mixtures: The Correction of Multiplicative Effects Caused by Variations in Physical Properties of Samples. <i>Analytical Chemistry</i> , 2012, 84, 320-326.	6.5	75

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19	Highly-sensitive liquid crystal biosensor based on DNA dendrimers-mediated optical reorientation. <i>Biosensors and Bioelectronics</i> , 2014, 62, 84-89.	10.1	74
20	A cobalt oxyhydroxide-modified upconversion nanosystem for sensitive fluorescence sensing of ascorbic acid in human plasma. <i>Nanoscale</i> , 2015, 7, 13951-13957.	5.6	73
21	DNA Encapsulating Liposome Based Rolling Circle Amplification Immunoassay as a Versatile Platform for Ultrasensitive Detection of Protein. <i>Analytical Chemistry</i> , 2009, 81, 9664-9673.	6.5	71
22	A cobalt oxyhydroxide nanoflake-based nanoprobe for the sensitive fluorescence detection of T4 polynucleotide kinase activity and inhibition. <i>Nanoscale</i> , 2016, 8, 8202-8209.	5.6	71
23	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.	7.4	71
24	Electrochemical immunosensor based on Pd@Au nanoparticles supported on functionalized PDDA-MWCNT nanocomposites for aflatoxin B1 detection. <i>Analytical Biochemistry</i> , 2016, 494, 10-15.	2.4	70
25	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.	8.2	70
26	Melanin-Like Nanoquencher on Graphitic Carbon Nitride Nanosheets for Tyrosinase Activity and Inhibitor Assay. <i>Analytical Chemistry</i> , 2016, 88, 8355-8358.	6.5	67
27	A ligation-based loop-mediated isothermal amplification (ligation-LAMP) strategy for highly selective microRNA detection. <i>Chemical Communications</i> , 2016, 52, 12721-12724.	4.1	65
28	Activatable Two-Photon Fluorescence Nanoprobe for Bioimaging of Glutathione in Living Cells and Tissues. <i>Analytical Chemistry</i> , 2014, 86, 12321-12326.	6.5	64
29	A label-free electrochemical biosensor for highly sensitive and selective detection of DNA via a dual-amplified strategy. <i>Biosensors and Bioelectronics</i> , 2014, 54, 442-447.	10.1	64
30	Core@Shell@Shell Multifunctional Nanoplatfrom for Intracellular Tumor-Related mRNAs Imaging and Near-Infrared Light Triggered Photodynamic@Photothermal Synergistic Therapy. <i>Analytical Chemistry</i> , 2017, 89, 10321-10328.	6.5	63
31	Novel ratiometric surface-enhanced raman spectroscopy aptasensor for sensitive and reproducible sensing of Hg ²⁺ . <i>Biosensors and Bioelectronics</i> , 2018, 99, 646-652.	10.1	63
32	A Mediator-Free Tyrosinase Biosensor Based on ZnO Sol-Gel Matrix. <i>Electroanalysis</i> , 2005, 17, 1065-1070.	2.9	62
33	Double-strand DNA-templated synthesis of copper nanoclusters as novel fluorescence probe for label-free detection of biothiols. <i>Analytical Methods</i> , 2013, 5, 3577.	2.7	62
34	Quench-Shield Ratiometric Upconversion Luminescence Nanoplatfrom for Biosensing. <i>Analytical Chemistry</i> , 2016, 88, 1639-1646.	6.5	59
35	A highly sensitive label-free sensor for Mercury ion (Hg ²⁺) by inhibiting thioflavin T as DNA G-quadruplexes fluorescent inducer. <i>Talanta</i> , 2014, 122, 85-90.	5.5	58
36	Preliminary study on the application of near infrared spectroscopy and pattern recognition methods to classify different types of apple samples. <i>Food Chemistry</i> , 2011, 128, 555-561.	8.2	57

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37	A rapid and efficient strategy for creating super-hydrophobic coatings on various material substrates. <i>Journal of Materials Chemistry</i> , 2008, 18, 4442.	6.7	56
38	Immobilization of Enzymes on the Nano-Au Film Modified Glassy Carbon Electrode for the Determination of Hydrogen Peroxide and Glucose. <i>Electroanalysis</i> , 2004, 16, 736-740.	2.9	55
39	A MgO Nanoparticles Composite Matrix-Based Electrochemical Biosensor for Hydrogen Peroxide with High Sensitivity. <i>Electroanalysis</i> , 2010, 22, 471-477.	2.9	55
40	Fast HPLC-DAD quantification of nine polyphenols in honey by using second-order calibration method based on trilinear decomposition algorithm. <i>Food Chemistry</i> , 2013, 138, 62-69.	8.2	54
41	Fabrication of a LRET-based upconverting hybrid nanocomposite for turn-on sensing of H_2O_2 and glucose. <i>Nanoscale</i> , 2016, 8, 8939-8946.	5.6	54
42	Alternating penalty quadrilinear decomposition algorithm for an analysis of four-way data arrays. <i>Journal of Chemometrics</i> , 2007, 21, 133-144.	1.3	53
43	Trilinear decomposition method applied to removal of three-dimensional background drift in comprehensive two-dimensional separation data. <i>Journal of Chromatography A</i> , 2007, 1167, 178-183.	3.7	53
44	Novel Aptasensor Platform Based on Ratiometric Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2017, 89, 2852-2858.	6.5	53
45	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.	11.4	53
46	Fluorescence Spectral Study of Interaction of Water-soluble Metal Complexes of Schiff-base and DNA. <i>Analytical Sciences</i> , 2001, 17, 1031-1036.	1.6	52
47	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.	6.5	52
48	Robust principal component analysis by projection pursuit. <i>Journal of Chemometrics</i> , 1993, 7, 527-541.	1.3	49
49	A novel fluorescent probe for sensitive detection and imaging of hydrazine in living cells. <i>Talanta</i> , 2017, 162, 225-231.	5.5	49
50	Tumor-Targeted Graphitic Carbon Nitride Nanoassembly for Activatable Two-Photon Fluorescence Imaging. <i>Analytical Chemistry</i> , 2018, 90, 4649-4656.	6.5	49
51	Fast analysis of synthetic antioxidants in edible vegetable oil using trilinear component modeling of liquid chromatography-diode array detection data. <i>Journal of Chromatography A</i> , 2012, 1264, 63-71.	3.7	48
52	A sensitive electrochemical biosensor for microRNA detection based on streptavidin-gold nanoparticles and enzymatic amplification. <i>Analytical Methods</i> , 2014, 6, 2889-2893.	2.7	47
53	Single-Nanoparticle ICPMS DNA Assay Based on Hybridization-Chain-Reaction-Mediated Spherical Nucleic Acid Assembly. <i>Analytical Chemistry</i> , 2020, 92, 2379-2382.	6.5	46
54	Three-way data resolution by alternating slice-wise diagonalization (ASD) method. <i>Journal of Chemometrics</i> , 2000, 14, 15-36.	1.3	45

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55	A novel label-free fluorescence aptamer-based sensor method for cocaine detection based on isothermal circular strand-displacement amplification and graphene oxide absorption. <i>New Journal of Chemistry</i> , 2013, 37, 3998.	2.8	45
56	Multi-targeted interference-free determination of ten β -blockers in human urine and plasma samples by alternating trilinear decomposition algorithm-assisted liquid chromatography–mass spectrometry in full scan mode: Comparison with multiple reaction monitoring. <i>Analytica Chimica Acta</i> , 2014, 848, 10-24.	5.4	45
57	Determination of pesticides in vegetable samples using an acetylcholinesterase biosensor based on nanoparticles ZrO_2 /chitosan composite film. <i>International Journal of Environmental Analytical Chemistry</i> , 2005, 85, 163-175.	3.3	43
58	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.	6.5	43
59	On the self-weighted alternating trilinear decomposition algorithm?the property of being insensitive to excess factors used in calculation. <i>Journal of Chemometrics</i> , 2001, 15, 439-453.	1.3	41
60	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.	6.5	41
61	Determination of the number of components in mixtures using a new approach incorporating chemical information. <i>Journal of Chemometrics</i> , 1999, 13, 15-30.	1.3	39
62	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.	3.9	39
63	Programmable Self-Assembly of Protein-Scaffolded DNA Nanohydrogels for Tumor-Targeted Imaging and Therapy. <i>Analytical Chemistry</i> , 2019, 91, 2610-2614.	6.5	39
64	Iodide-Selective PVC Membrane Electrodes Based on Five Transitional Metal Chelates of bis-furfural-semi-o-tolidine. <i>Analytical Letters</i> , 1997, 30, 1455-1464.	1.8	38
65	Resolution of two-way data from spectroscopic monitoring of reaction or process systems by parallel vector analysis (PVA) and window factor analysis (WFA): inspection of the effect of mass balance, methods and simulations. <i>Journal of Chemometrics</i> , 2003, 17, 186-197.	1.3	38
66	Amperometric Biosensors for Glucose Based on Layer-by-Layer Assembled Functionalized Carbon Nanotube and Poly (Neutral Red) Multilayer Film. <i>Analytical Letters</i> , 2006, 39, 1785-1799.	1.8	36
67	Simultaneous determination of phenolic antioxidants in edible vegetable oils by HPLC–FLD assisted with second-order calibration based on ATLD algorithm. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 947-948, 32-40.	2.3	36
68	Direct quantitative analysis of aromatic amino acids in human plasma by four-way calibration using intrinsic fluorescence: Exploration of third-order advantages. <i>Talanta</i> , 2014, 122, 293-301.	5.5	36
69	“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.	10.1	35
70	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.	5.5	35
71	Sensitive inkjet printing paper-based colorimetric strips for acetylcholinesterase inhibitors with indoxyl acetate substrate. <i>Talanta</i> , 2017, 162, 174-179.	5.5	35
72	Multivalent Self-Assembled DNA Polymer for Tumor-Targeted Delivery and Live Cell Imaging of Telomerase Activity. <i>Analytical Chemistry</i> , 2018, 90, 13188-13192.	6.5	35

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73	A Sensitive Electrochemical Immunosensor for α -Fetoprotein Detection with Colloidal Gold-Based Dextran Enzyme Complex Amplification. <i>Electroanalysis</i> , 2010, 22, 244-250.	2.9	34
74	Label-Free Electrochemical Biosensor of Mercury Ions Based on DNA Strand Displacement by Thymine-Hg(II)-Thymine Complex. <i>Electroanalysis</i> , 2010, 22, 2110-2116.	2.9	34
75	Background eliminated signal-on electrochemical aptasensing platform for highly sensitive detection of protein. <i>Biosensors and Bioelectronics</i> , 2015, 66, 363-369.	10.1	34
76	Label-Free Photonic Crystal-Based β -Lactamase Biosensor for β -Lactam Antibiotic and β -Lactamase Inhibitor. <i>Analytical Chemistry</i> , 2016, 88, 9207-9212.	6.5	34
77	Photonic crystal enhanced gold-silver nanoclusters fluorescent sensor for Hg ²⁺ ion. <i>Analytica Chimica Acta</i> , 2020, 1114, 50-57.	5.4	34
78	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.	2.7	33
79	Internal standard-based SERS aptasensor for ultrasensitive quantitative detection of Ag ⁺ ion. <i>Talanta</i> , 2018, 185, 30-36.	5.5	33
80	Interaction of Metal Complexes of Bis(salicylidene)ethylenediamine with DNA. <i>Analytical Sciences</i> , 2000, 16, 1255-1259.	1.6	32
81	The Electrochemical Properties of Co(TPP), Tetraphenylborate Modified Glassy Carbon Electrode: Application to Dopamine and Uric Acid Analysis. <i>Electroanalysis</i> , 2006, 18, 440-448.	2.9	32
82	A label-free electrochemical impedance immunosensor for the sensitive detection of aflatoxin B ₁ . <i>Analytical Methods</i> , 2015, 7, 2354-2359.	2.7	32
83	Label-free liquid crystal biosensor for L-histidine: A DNAzyme-based platform for small molecule assay. <i>Biosensors and Bioelectronics</i> , 2016, 79, 650-655.	10.1	32
84	Fast quantitative analysis of four tyrosine kinase inhibitors in different human plasma samples using three-way calibration- assisted liquid chromatography with diode array detection. <i>Journal of Separation Science</i> , 2015, 38, 2781-2788.	2.5	31
85	A highly selective iodide electrode based on the bis(benzoin)-semiethylenediamine complex of mercury(II) as a carrier. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 360, 47-51.	1.5	30
86	Rapid and simultaneous determination of five vinca alkaloids in <i>Catharanthus roseus</i> and human serum using trilinear component modeling of liquid chromatography-diode array detection data. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1026, 114-123.	2.3	30
87	DNA-stabilized silver nanoclusters with guanine-enhanced fluorescence as a novel indicator for enzymatic detection of cholesterol. <i>Analytical Methods</i> , 2013, 5, 2182.	2.7	29
88	Mass Spectrometry Based Ultrasensitive DNA Methylation Profiling Using Target Fragmentation Assay. <i>Analytical Chemistry</i> , 2016, 88, 1083-1087.	6.5	29
89	Mitochondrial-targeted near-infrared fluorescence probe for selective detection of fluoride ions in living cells. <i>Talanta</i> , 2019, 204, 655-662.	5.5	29
90	Analysis of PAHs in air-borne particulates in Hong Kong City by heuristic evolving latent projections. <i>Science in China Series B: Chemistry</i> , 1998, 41, 21-29.	0.8	28

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91	A PARAFAC algorithm using penalty diagonalization error (PDE) for three-way data array resolution. <i>Analyst</i> , The, 2000, 125, 2303-2310.	3.5	28
92	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.	3.5	28
93	CoOOH-induced synthesis of fluorescent polydopamine nanoparticles for the detection of Ascorbic acid. <i>Analytical Methods</i> , 2017, 9, 5518-5524.	2.7	28
94	A novel DNase-based colorimetric assay for the detection of hOGG1 activity with lambda exonuclease cleavage. <i>Analytical Methods</i> , 2013, 5, 164-168.	2.7	27
95	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.	3.7	27
96	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.	6.5	27
97	In vivo mRNA imaging based on tripartite DNA probe mediated catalyzed hairpin assembly. <i>Chemical Communications</i> , 2020, 56, 8782-8785.	4.1	27
98	Network training and architecture optimization by a recursive approach and a modified genetic algorithm. <i>Journal of Chemometrics</i> , 1996, 10, 253-267.	1.3	26
99	Alternating coupled vectors resolution (ACOVER) method for trilinear analysis of three-way data. <i>Journal of Chemometrics</i> , 1999, 13, 557-578.	1.3	26
100	Pseudo alternating least squares algorithm for trilinear decomposition. <i>Journal of Chemometrics</i> , 2001, 15, 149-167.	1.3	26
101	A Sequence-Selective Electrochemical DNA Biosensor Based on HRP-Labeled Probe for Colorectal Cancer DNA Detection. <i>Analytical Letters</i> , 2008, 41, 24-35.	1.8	26
102	An efficient fluorescence turn-on probe for Al ³⁺ based on aggregation-induced emission. <i>Analytical Methods</i> , 2013, 5, 3909.	2.7	26
103	Simultaneous determination of eight flavonoids in propolis using chemometrics-assisted high performance liquid chromatography-diode array detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 962, 59-67.	2.3	26
104	Light-up RNA aptamer enabled label-free protein detection via a proximity induced transcription assay. <i>Chemical Communications</i> , 2018, 54, 8877-8880.	4.1	26
105	Activatable CRISPR Transcriptional Circuits Generate Functional RNA for mRNA Sensing and Silencing. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18599-18604.	13.8	26
106	DNAzyme cascade circuits in highly integrated DNA nanomachines for sensitive microRNAs imaging in living cells. <i>Biosensors and Bioelectronics</i> , 2021, 177, 112976.	10.1	26
107	Bimetallic gold-silver nanocluster fluorescent probes for Cr(III) and Cr(VI). <i>Analytical Methods</i> , 2016, 8, 7237-7241.	2.7	25
108	Aggregation-Induced Emission-Based Fluorescence Probe for Fast and Sensitive Imaging of Formaldehyde in Living Cells. <i>ACS Omega</i> , 2018, 3, 14417-14422.	3.5	25

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109	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.	5.5	25
110	A novel ethacrynic acid sensor based on a lanthanide porphyrin complex in a PVC matrix. <i>Analyst</i> , The, 2000, 125, 867-870.	3.5	24
111	Dry film method with ytterbium as the internal standard for near infrared spectroscopic plasma glucose assay coupled with boosting support vector regression. <i>Journal of Chemometrics</i> , 2006, 20, 13-21.	1.3	24
112	A Reagentless Tyrosinase Biosensor Based on 1,6-Hexanedithiol and Nano-Au Self-Assembled Monolayers. <i>Electroanalysis</i> , 2006, 18, 1572-1577.	2.9	24
113	Chemometrics-enhanced high performance liquid chromatography-diode array detection strategy for simultaneous determination of eight co-eluted compounds in ten kinds of Chinese teas using second-order calibration method based on alternating trilinear decomposition algorithm. <i>Journal of Chromatography A</i> , 2014, 1364, 151-162.	3.7	24
114	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.	3.5	24
115	Picric acid sensitive optode based on a fluorescence carrier covalently bound to membrane. <i>Analyst</i> , The, 2001, 126, 349-352.	3.5	23
116	Interference-free determination of abscisic acid and gibberellin in plant samples using excitation-emission matrix fluorescence based on oxidation derivatization coupled with second-order calibration methods. <i>Analytical Methods</i> , 2009, 1, 115.	2.7	23
117	A novel method to handle Rayleigh scattering in three-way excitation-emission fluorescence data. <i>Analytical Methods</i> , 2012, 4, 3987.	2.7	23
118	A label free exonuclease III-aided fluorescence assay for adenosine triphosphate based on graphene oxide and ligation reaction. <i>New Journal of Chemistry</i> , 2013, 37, 927.	2.8	23
119	An electrochemical assay of polynucleotide kinase activity based on streptavidin-gold nanoparticles and enzymatic amplification. <i>RSC Advances</i> , 2013, 3, 18128.	3.6	23
120	Quantitative detection of captopril in tablet and blood plasma samples by the combination of surface-enhanced Raman spectroscopy with multiplicative effects model. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 605-609.	2.5	23
121	Nucleic acid amplification-based methods for microRNA detection. <i>Analytical Methods</i> , 2015, 7, 2258-2263.	2.7	23
122	Sensitive fluorescence sensing of T4 polynucleotide kinase activity and inhibition based on DNA/polydopamine nanospheres platform. <i>Talanta</i> , 2018, 180, 271-276.	5.5	23
123	Mitochondrion-Targeting Fluorescence Probe via Reduction Induced Charge Transfer for Fast Methionine Sulfoxide Reductases Imaging. <i>Analytical Chemistry</i> , 2019, 91, 5489-5493.	6.5	23
124	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.	2.6	23
125	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.	8.2	23
126	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.	6.5	23

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127	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.	3.9	23
128	Simultaneous determination of aromatic amino acids in different systems using three-way calibration based on the PARAFAC-ALS algorithm coupled with EEM fluorescence: exploration of second-order advantages. <i>Analytical Methods</i> , 2014, 6, 6358-6368.	2.7	22
129	Plasmon Coupling Enhanced Raman Scattering Nanobeacon for Single-Step, Ultrasensitive Detection of Cholera Toxin. <i>Analytical Chemistry</i> , 2016, 88, 7447-7452.	6.5	22
130	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.	5.5	22
131	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.	4.1	22
132	A novel electrochemical immunosensor for ochratoxin A with hapten immobilization on thionine/gold nanoparticle modified glassy carbon electrode. <i>Analytical Methods</i> , 2013, 5, 1481.	2.7	21
133	A novel fourth-order calibration method based on alternating quinquelinear decomposition algorithm for processing high performance liquid chromatography-diode array detection kinetic-pH data of naptalam hydrolysis. <i>Analytica Chimica Acta</i> , 2015, 861, 12-24.	5.4	21
134	Cyclodextrin supramolecular inclusion-enhanced pyrene excimer switching for time-resolved fluorescence detection of biothiols in serum. <i>Biosensors and Bioelectronics</i> , 2015, 68, 253-258.	10.1	21
135	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.	5.4	21
136	A novel mitochondrial-targeting near-infrared fluorescent probe for imaging $\hat{1}^3$ -glutamyl transpeptidase activity in living cells. <i>Analyst, The</i> , 2018, 143, 5530-5535.	3.5	21
137	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.	3.7	21
138	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, The</i> , 2019, 144, 6922-6927.	3.5	21
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