Ru-Qin Yu

List of Publications by Year in Descending Order

330 papers	7,129 citations	42 h-index	65 g-index
337 ext. papers	8,076 ext. citations	4.8 avg, IF	6.19 L-index

#	Paper	IF	Citations
330	Piecewise direct standardization assisted with second-order calibration methods to solve signal instability in high-performance liquid chromatography-diode array detection systems.. *Journal of Chromatography A*, **2022**, 1667, 462851	4.5	0
329	Quantitative analysis of carbaryl and thiabendazole in complex matrices using excitation-emission fluorescence matrices with second-order calibration methods. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2022**, 264, 120267	4.4	1
328	Geographical origin traceability of traditional Chinese medicine Atractylodes macrocephala Koidz. by using multi-way fluorescence fingerprint and chemometric methods.. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 269, 120737	4.4	1
327	Label-free and sensitive microRNA detection method based on the locked nucleic acid assisted fishing amplification strategy.. *Talanta*, **2021**, 240, 123169	6.2	
326	Rapid determination of sulfamethoxazole and trimethoprim illegally added to health products using excitation-emission matrix fluorescence coupled with the second-order calibration method. *Analytical Methods*, **2021**, 13, 5075-5084	3.2	0
325	Highly Sensitive and Specific Mass Spectrometric Platform for miRNA Detection Based on the Multiple-Metal-Nanoparticle Tagging Strategy. *Analytical Chemistry*, **2021**, 93, 5839-5848	7.8	10
324	DNAzyme cascade circuits in highly integrated DNA nanomachines for sensitive microRNAs imaging in living cells. *Biosensors and Bioelectronics*, **2021**, 177, 112976	11.8	7
323	Three efficient chemometrics assisted fluorimetric detection methods for interference-free, rapid, and simultaneous determination of ibrutinib and pralatrexate in various complicated biological fluids. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 252, 119419	4.4	2
322	Single-Nanoparticle ICP-MS for Sensitive Detection of Uracil-DNA Glycosylase Activity. *Analytical Chemistry*, **2021**, 93, 8381-8385	7.8	6
321	Ultrasensitive detection of protein biomarkers by MALDI-TOF mass spectrometry based on ZnFeO nanoparticles and mass tagging signal amplification. *Talanta*, **2021**, 224, 121848	6.2	4
320	A chemometric comparison of different models in fluorescence analysis of dabigatran etexilate and dabigatran. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 246, 118988	4.4	2
319	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. *Talanta*, **2021**, 224, 121798	6.2	7
318	Excitation-emission matrix fluorescence spectroscopy coupled with multi-way chemometric techniques for characterization and classification of Chinese lager beers. *Food Chemistry*, **2021**, 342, 128235	8.5	9
317	Boronate carbon nanoparticles featuring efficient FRET for activatable two-photon fluorescence imaging of sialic acid surface-abundant tumor cells. *Analyst, The*, **2021**, 146, 5567-5573	5	
316	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. *Talanta*, **2021**, 231, 122414	6.2	1
315	Control of Liquid Crystal Microarray Optical Signals Using a Microspectral Mode Based on Photonic Crystal Structures. *Analytical Chemistry*, **2021**, 93, 11887-11895	7.8	0
314	Fast identification of the geographical origin of Gastrodia elata using excitation-emission matrix fluorescence and chemometric methods. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 258, 119798	4.4	6

313	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. *Journal of Separation Science*, **2021**, 44, 3914-3923	3.4	0
312	Simultaneous and rapid screening and determination of twelve azo dyes illegally added into food products by using chemometrics-assisted HPLC-DAD strategy. *Microchemical Journal*, **2021**, 171, 106775	4.8	1
311	Ratiometric sensors with selective fluorescence enhancement effects based on photonic crystals for the determination of acetylcholinesterase and its inhibitor. *Journal of Materials Chemistry B*, **2020**, 8, 11001-11009	7.3	4
310	Exploiting second-order advantage from mathematically modeled liquid chromatography–mass spectrometry data for simultaneous determination of polyphenols in Chinese propolis. *Microchemical Journal*, **2020**, 157, 105003	4.8	6
309	DNA-Programmed plasmonic ELISA for the ultrasensitive detection of protein biomarkers. *Analyst, The*, **2020**, 145, 4860-4866	5	7
308	Recent advances in chemical multi-way calibration with second-order or higher-order advantages: Multilinear models, algorithms, related issues and applications. *TrAC - Trends in Analytical Chemistry* , **2020**, 130, 115954	14.6	18
307	Simultaneous imaging of lysosomal and mitochondrial viscosity during mitophagy using molecular rotors with dual-color emission. *Chemical Communications*, **2020**, 56, 7797-7800	5.8	10
306	In vivo mRNA imaging based on tripartite DNA probe mediated catalyzed hairpin assembly. *Chemical Communications*, **2020**, 56, 8782-8785	5.8	12
305	Coupling bootstrap with synergy self-organizing map-based orthogonal partial least squares discriminant analysis: Stable metabolic biomarker selection for inherited metabolic diseases. *Talanta*, **2020**, 219, 121370	6.2	6
304	Activatable CRISPR Transcriptional Circuits Generate Functional RNA for mRNA Sensing and Silencing. *Angewandte Chemie - International Edition*, **2020**, 59, 18599-18604	16.4	10
303	Single-Nanoparticle ICPMS DNA Assay Based on Hybridization-Chain-Reaction-Mediated Spherical Nucleic Acid Assembly. *Analytical Chemistry*, **2020**, 92, 2379-2382	7.8	28
302	Exploration advantages of data combination and partition: First chemometric analysis of liquid chromatography-mass spectrometry data in full scan mode with quadruple fragmentor voltages. *Analytica Chimica Acta*, **2020**, 1110, 158-168	6.6	2
301	Photonic crystal enhanced gold-silver nanoclusters fluorescent sensor for Hg ion. *Analytica Chimica Acta*, **2020**, 1114, 50-57	6.6	22
300	A tumour mRNA-triggered nanoassembly for enhanced fluorescence imaging-guided photodynamic therapy. *Nanoscale*, **2020**, 12, 8727-8731	7.7	10
299	Three-dimensional DNA nanostructures for dual-color microRNA imaging in living cells via hybridization chain reaction. *Chemical Communications*, **2020**, 56, 6668-6671	5.8	8
298	A novel ratiometric fluorescent sensing method based on MnO nanosheet for sensitive detection of alkaline phosphatase in serum. *Talanta*, **2020**, 209, 120528	6.2	4
297	An assumption-free quantitative polymerase chain reaction method with internal standard. *Talanta* , **2020**, 220, 121405	6.2	0
296	Activatable CRISPR Transcriptional Circuits Generate Functional RNA for mRNA Sensing and Silencing. *Angewandte Chemie*, **2020**, 132, 18758-18763	3.6	1

295	Cascade Circuits on Self-Assembled DNA Polymers for Targeted RNA Imaging In Vivo. *Analytical Chemistry*, **2020**, 92, 15953-15958	7.8	7
294	Detection of microRNAs by the combination of Exonuclease-III assisted target recycling amplification and repeated-fishing strategy. *Analytica Chimica Acta*, **2020**, 1131, 1-8	6.6	7
293	A bipedal DNA nanowalker fueled by catalytic assembly for imaging of base-excision repairing in living cells. *Chemical Science*, **2020**, 11, 10361-10366	9.4	18
292	Rapid and simultaneous determination of three fluoroquinolones in animal-derived foods using excitation-emission matrix fluorescence coupled with second-order calibration method. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 224, 117458	4.4	7
291	Programmable Self-Assembly of Protein-Scaffolded DNA Nanohydrogels for Tumor-Targeted Imaging and Therapy. *Analytical Chemistry*, **2019**, 91, 2610-2614	7.8	22
290	Duplex-specific nuclease-mediated target recycling amplification for fluorescence detection of microRNA. *Analytical Methods*, **2019**, 11, 200-204	3.2	6
289	Mitochondrial-targeted near-infrared fluorescence probe for selective detection of fluoride ions in living cells. *Talanta*, **2019**, 204, 655-662	6.2	17
288	DNAzyme activated protein-scaffolded CRISPR-Cas9 nanoassembly for genome editing. *Chemical Communications*, **2019**, 55, 6511-6514	5.8	9
287	Rapid identification and quantification of cheaper vegetable oil adulteration in camellia oil by using excitation-emission matrix fluorescence spectroscopy combined with chemometrics. *Food Chemistry*, **2019**, 293, 348-357	8.5	38
286	Proximity-induced hybridization chain assembly with small-molecule linked DNA for single-step amplified detection of antibodies. *Chemical Communications*, **2019**, 55, 4387-4390	5.8	13
285	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. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 216, 283-289	4.4	10
284	A single promoter system co-expressing RNA sensor with fluorescent proteins for quantitative mRNA imaging in living tumor cells. *Chemical Science*, **2019**, 10, 4828-4833	9.4	13
283	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. *Talanta*, **2019**, 201, 174-184	6.2	17
282	Mitochondrion-Targeting Fluorescence Probe via Reduction Induced Charge Transfer for Fast Methionine Sulfoxide Reductases Imaging. *Analytical Chemistry*, **2019**, 91, 5489-5493	7.8	14
281	Quantification of enantiomers by mass spectrometry based on chemical derivatization and spectral shape deformation quantitative theory. *Journal of Mass Spectrometry*, **2019**, 54, 250-257	2.2	
280	A simple method for direct modeling of second-order liquid chromatographic data with retention time shifts and holding the second-order advantage. *Journal of Chromatography A*, **2019**, 1605, 360360	4.5	10
279	Recombinant Fusion Streptavidin as a Scaffold for DNA Nanotetrads for Nucleic Acid Delivery and Telomerase Activity Imaging in Living Cells. *Analytical Chemistry*, **2019**, 91, 9361-9365	7.8	12
278	Cyclodextrin supramolecular inclusion-enhanced pyrene excimer switching for highly selective detection of RNase H. *Analytica Chimica Acta*, **2019**, 1088, 137-143	6.6	7

277	An intramolecular charge transfer and excited state intramolecular proton transfer based fluorescent probe for highly selective detection and imaging of formaldehyde in living cells. *Analyst, The*, **2019**, 144, 6922-6927	5	7
276	Highly specific and sensitive detection of microRNAs by tandem signal amplification based on duplex-specific nuclease and strand displacement. *Chemical Communications*, **2019**, 55, 14210-14213	5.8	13
275	Generalized ratiometric fluorescence nanosensors based on carbon dots and an advanced chemometric model. *Talanta*, **2019**, 192, 233-240	6.2	4
274	Label-Free and Multiplexed Quantification of microRNAs by Mass Spectrometry Based on Duplex-Specific-Nuclease-Assisted Recycling Amplification. *Analytical Chemistry*, **2019**, 91, 2120-2127	7.8	21
273	Quantitation of cobalt in Chinese tea by surface-enhanced Raman spectroscopy in combination with the spectral shape deformation quantitative theory. *Journal of Raman Spectroscopy*, **2019**, 50, 322-329	2.3	1
272	Simultaneously quantifying intracellular FAD and FMN using a novel strategy of intrinsic fluorescence four-way calibration. *Talanta*, **2019**, 197, 105-112	6.2	10
271	A novel algorithm for second-order calibration of three-way data in fluorescence assays of multiple breast cancer-related DNAs. *Talanta*, **2019**, 195, 433-440	6.2	3
270	Single-step, high-specificity detection of single nucleotide mutation by primer-activatable loop-mediated isothermal amplification (PA-LAMP). *Analytica Chimica Acta*, **2019**, 1050, 132-138	6.6	11
269	Rapid and Sensitive Detection of Multi-Class Food Additives in Beverages for Quality Control by Using HPLC-DAD and Chemometrics Methods. *Food Analytical Methods*, **2019**, 12, 381-393	3.4	14
268	Development of large Stokes shift, near-infrared fluorescence probe for rapid and bioorthogonal imaging of nitroxyl (HNO) in living cells. *Talanta*, **2019**, 193, 152-160	6.2	11
267	Chemometrics-assisted liquid chromatography-full scan mass spectrometry for simultaneous determination of multi-class estrogens in infant milk powder. *Analytical Methods*, **2018**, 10, 1459-1471	3.2	10
266	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. *Analytica Chimica Acta*, **2018**, 1021, 28-40	6.6	12
265	Activatable Fluorescence Probe via Self-Immolative Intramolecular Cyclization for Histone Deacetylase Imaging in Live Cells and Tissues. *Analytical Chemistry*, **2018**, 90, 5534-5539	7.8	29
264	Rapid and interference-free analysis of nine B-group vitamins in energy drinks using trilinear component modeling of liquid chromatography-mass spectrometry data. *Talanta*, **2018**, 180, 108-119	6.2	17
263	Sensitive fluorescence sensing of T4 polynucleotide kinase activity and inhibition based on DNA/polydopamine nanospheres platform. *Talanta*, **2018**, 180, 271-276	6.2	20
262	Branched Hybridization Chain Reaction Circuit for Ultrasensitive Localizable Imaging of mRNA in Living Cells. *Analytical Chemistry*, **2018**, 90, 1502-1505	7.8	61
261	Simultaneous detection of multiple inherited metabolic diseases using GC-MS urinary metabolomics by chemometrics multi-class classification strategies. *Talanta*, **2018**, 186, 489-496	6.2	13
260	Internal standard-based SERS aptasensor for ultrasensitive quantitative detection of Ag ion. *Talanta*, **2018**, 185, 30-36	6.2	17

259	Tumor-Targeted Graphitic Carbon Nitride Nanoassembly for Activatable Two-Photon Fluorescence Imaging. *Analytical Chemistry*, **2018**, 90, 4649-4656	7.8	36
258	Novel Sensitive Fluorometric Determination of Exonuclease I Using Polydopamine Nanospheres. *Analytical Letters*, **2018**, 51, 998-1012	2.2	3
257	Light-up RNA aptamer enabled label-free protein detection via a proximity induced transcription assay. *Chemical Communications*, **2018**, 54, 8877-8880	5.8	20
256	Simultaneous and interference-free determination of eleven non-steroidal anti-inflammatory drugs illegally added into Chinese patent drugs using chemometrics-assisted HPLC-DAD strategy. *Science China Chemistry*, **2018**, 61, 739-749	7.9	6
255	Small molecule-linked programmable DNA for washing-free imaging of cell surface biomarkers. *Talanta*, **2018**, 190, 429-435	6.2	10
254	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. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**,	4.4	13
253	Chemometrics-assisted liquid chromatography with full scan mass spectrometry for the interference-free determination of glucocorticoids illegally added to face masks. *Journal of Separation Science*, **2018**, 41, 3527-3537	3.4	10
252	Novel ratiometric surface-enhanced raman spectroscopy aptasensor for sensitive and reproducible sensing of Hg. *Biosensors and Bioelectronics*, **2018**, 99, 646-652	11.8	37
251	A novel mitochondrial-targeting near-infrared fluorescent probe for imaging γ-glutamyl transpeptidase activity in living cells. *Analyst, The*, **2018**, 143, 5530-5535	5	11
250	Chemometrics-assisted HPLC-DAD as a rapid and interference-free strategy for simultaneous determination of 17 polyphenols in raw propolis. *Analytical Methods*, **2018**, 10, 5577-5588	3.2	9
249	Quantification of Cadmium in Rice by Surface-enhanced Raman Spectroscopy Based on a Ratiometric Indicator and Conical Holed Enhancing Substrates. *Analytical Sciences*, **2018**, 34, 1405-1410	1.7	7
248	Multivalent Self-Assembled DNA Polymer for Tumor-Targeted Delivery and Live Cell Imaging of Telomerase Activity. *Analytical Chemistry*, **2018**, 90, 13188-13192	7.8	24
247	Aggregation-Induced Emission-Based Fluorescence Probe for Fast and Sensitive Imaging of Formaldehyde in Living Cells. *ACS Omega*, **2018**, 3, 14417-14422	3.9	14
246	Application of gold–silver nanocluster based fluorescent sensors for determination of acetylcholinesterase activity and its inhibitor. *Materials Research Express*, **2018**, 5, 065027	1.7	7
245	Simultaneous determination of umbelliferone and scopoletin in Tibetan medicine Saussurea laniceps and traditional Chinese medicine Radix angelicae pubescentis using excitation-emission matrix fluorescence coupled with second-order calibration method. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 170, 104-10	4.4	29
244	Detection of inborn errors of metabolism utilizing GC-MS urinary metabolomics coupled with a modified orthogonal partial least squares discriminant analysis. *Talanta*, **2017**, 165, 545-552	6.2	24
243	In Situ Imaging of Individual mRNA Mutation in Single Cells Using Ligation-Mediated Branched Hybridization Chain Reaction (Ligation-bHCR). *Analytical Chemistry*, **2017**, 89, 3445-3451	7.8	44
242	Fast and simultaneous determination of 12 polyphenols in apple peel and pulp by using chemometrics-assisted high-performance liquid chromatography with diode array detection. *Journal of Separation Science*, **2017**, 40, 1651-1659	3.4	10

241	Novel Aptasensor Platform Based on Ratiometric Surface-Enhanced Raman Spectroscopy. *Analytical Chemistry*, **2017**, 89, 2852-2858	7.8	39
240	Direct and interference-free determination of thirteen phenolic compounds in red wines using a chemometrics-assisted HPLC-DAD strategy for authentication of vintage year. *Analytical Methods*, **2017**, 9, 3361-3374	3.2	24
239	A novel calibration strategy based on background correction for quantitative circular dichroism spectroscopy. *Talanta*, **2017**, 174, 320-324	6.2	3
238	A dual enzyme-inorganic hybrid nanoflower incorporated microfluidic paper-based analytic device (PAD) biosensor for sensitive visualized detection of glucose. *Nanoscale*, **2017**, 9, 5658-5663	7.7	82
237	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. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 175, 229-238	4.4	14
236	Chemometrics-enhanced liquid chromatography-full scan-mass spectrometry for interference-free analysis of multi-class mycotoxins in complex cereal samples. *Chemometrics and Intelligent Laboratory Systems*, **2017**, 160, 125-138	3.8	23
235	Mitochondrion-Targeting, Environment-Sensitive Red Fluorescent Probe for Highly Sensitive Detection and Imaging of Vicinal Dithiol-Containing Proteins. *Analytical Chemistry*, **2017**, 89, 11203-11207	7.8	19
234	CoOOH-induced synthesis of fluorescent polydopamine nanoparticles for the detection of ascorbic acid. *Analytical Methods*, **2017**, 9, 5518-5524	3.2	21
233	Smart Photonic Crystal Hydrogel Material for Uranyl Ion Monitoring and Removal in Water. *Advanced Functional Materials*, **2017**, 27, 1702147	15.6	66
232	A label-free and highly sensitive strategy for uracil-DNA glycosylase activity detection based on stem-loop primer-mediated exponential amplification (SPEA). *Analytica Chimica Acta*, **2017**, 991, 127-132	6.6	16
231	Core-Shell-Shell Multifunctional Nanoplatform for Intracellular Tumor-Related mRNAs Imaging and Near-Infrared Light Triggered Photodynamic-Photothermal Synergistic Therapy. *Analytical Chemistry*, **2017**, 89, 10321-10328	7.8	50
230	A novel fluorescent probe for sensitive detection and imaging of hydrazine in living cells. *Talanta*, **2017**, 162, 225-231	6.2	40
229	Sensitive inkjet printing paper-based colormetric strips for acetylcholinesterase inhibitors with indoxyl acetate substrate. *Talanta*, **2017**, 162, 174-179	6.2	27
228	A Novel Biosensor Based on Terminal Protection and Fluorescent Copper Nanoparticles for Detecting Potassium Ion. *Analytical Sciences*, **2017**, 33, 1369-1374	1.7	4
227	Rapid and simultaneous determination of five vinca alkaloids in Catharanthus roseus and human serum using trilinear component modeling of liquid chromatography-diode array detection data. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2016**, 1026, 114-123	3.2	24
226	Label-Free Photonic Crystal-Based β-Lactamase Biosensor for β-Lactam Antibiotic and β-Lactamase Inhibitor. *Analytical Chemistry*, **2016**, 88, 9207-12	7.8	24
225	Graphene oxide based DNA nanoswitches as a programmable pH-responsive biosensor. *Analytical Methods*, **2016**, 8, 6982-6985	3.2	6
224	Graphitic Carbon Nitride Nanosheets-Based Ratiometric Fluorescent Probe for Highly Sensitive Detection of HO and Glucose. *ACS Applied Materials & Interfaces*, **2016**, 8, 33439-33445	9.5	130

223	Surface Enhanced Laser Desorption Ionization of Phospholipids on Gold Nanoparticles for Mass Spectrometric Immunoassay. *Analytical Chemistry*, **2016**, 88, 9881-9884	7.8	15
222	Mass spectrometry based trinucleotide repeat sequence detection using target fragment assay. *Analytical Methods*, **2016**, 8, 5039-5044	3.2	3
221	Bimetallic gold□silver nanocluster fluorescent probes for Cr(III) and Cr(VI). *Analytical Methods*, **2016**, 8, 7237-7241	3.2	20
220	Melanin-Like Nanoquencher on Graphitic Carbon Nitride Nanosheets for Tyrosinase Activity and Inhibitor Assay. *Analytical Chemistry*, **2016**, 88, 8355-8	7.8	59
219	Loop-mediated isothermal amplification (LAMP): real-time methods for the detection of the survivin gene in cancer cells. *Analytical Methods*, **2016**, 8, 6277-6283	3.2	4
218	An activatable fluorescent probe with an ultrafast response and large Stokes shift for live cell bioimaging of hypochlorous acid. *RSC Advances*, **2016**, 6, 107910-107915	3.7	7
217	Efficient pattern unmixing of multiplex proteins based on variable weighting of texture descriptors. *Analytical Methods*, **2016**, 8, 8188-8195	3.2	3
216	A chemometrics-assisted excitation□emission matrix fluorescence method for simultaneous determination of arbutin and hydroquinone in cosmetic products. *Analytical Methods*, **2016**, 8, 4941-4948	3.2	16
215	Silver nanocluster-lightened hybridization chain reaction. *RSC Advances*, **2016**, 6, 57502-57506	3.7	4
214	Plasmon Coupling Enhanced Raman Scattering Nanobeacon for Single-Step, Ultrasensitive Detection of Cholera Toxin. *Analytical Chemistry*, **2016**, 88, 7447-52	7.8	15
213	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. *Analytica Chimica Acta*, **2016**, 910, 36-44	6.6	17
212	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. *Journal of Chromatography A*, **2016**, 1435, 75-84	4.5	23
211	"Light-up" Sensing of human 8-oxoguanine DNA glycosylase activity by target-induced autocatalytic DNAzyme-generated rolling circle amplification. *Biosensors and Bioelectronics*, **2016**, 79, 679-84	11.8	29
210	Determination of benzo[a]pyrene in cigarette mainstream smoke by using mid-infrared spectroscopy associated with a novel chemometric algorithm. *Analytica Chimica Acta*, **2016**, 902, 43-49	6.6	7
209	Conformational switching of G-quadruplexes as a label-free platform for the fluorescence detection of Ag+ and biothiols. *Analytical Methods*, **2016**, 8, 311-315	3.2	8
208	Fabrication of a LRET-based upconverting hybrid nanocomposite for turn-on sensing of H2O2 and glucose. *Nanoscale*, **2016**, 8, 8939-46	7.7	42
207	A fluorescent graphitic carbon nitride nanosheet biosensor for highly sensitive, label-free detection of alkaline phosphatase. *Nanoscale*, **2016**, 8, 4727-32	7.7	82
206	A cobalt oxyhydroxide nanoflake-based nanoprobe for the sensitive fluorescence detection of T4 polynucleotide kinase activity and inhibition. *Nanoscale*, **2016**, 8, 8202-9	7.7	60

205	Development of an electrochemical aptasensor for thrombin based on aptamer/Pd@AuNPs/HRP conjugates. *Analytical Methods*, **2016**, 8, 2150-2155	3.2	6
204	Interference-free analysis of aflatoxin B1 and G1 in various foodstuffs using trilinear component modeling of excitation–emission matrix fluorescence data enhanced through photochemical derivatization. *RSC Advances*, **2016**, 6, 25850-25863	3.7	6
203	Label-free liquid crystal biosensor for L-histidine: A DNAzyme-based platform for small molecule assay. *Biosensors and Bioelectronics*, **2016**, 79, 650-5	11.8	25
202	Mass Spectrometry Based Ultrasensitive DNA Methylation Profiling Using Target Fragmentation Assay. *Analytical Chemistry*, **2016**, 88, 1083-7	7.8	23
201	Quench-Shield Ratiometric Upconversion Luminescence Nanoplatform for Biosensing. *Analytical Chemistry*, **2016**, 88, 1639-46	7.8	52
200	Phosphorylation-induced formation of a cytochrome c-peptide complex: a novel fluorescent sensing platform for protein kinase assay. *Chemical Communications*, **2016**, 52, 776-9	5.8	8
199	Electrochemical immunosensor based on Pd-Au nanoparticles supported on functionalized PDDA-MWCNT nanocomposites for aflatoxin B1 detection. *Analytical Biochemistry*, **2016**, 494, 10-5	3.1	50
198	New function of exonuclease and highly sensitive label-free colorimetric DNA detection. *Biosensors and Bioelectronics*, **2016**, 77, 879-85	11.8	15
197	Multiplex protein pattern unmixing using a non-linear variable-weighted support vector machine as optimized by a particle swarm optimization algorithm. *Talanta*, **2016**, 147, 609-14	6.2	10
196	A novel logic gate based on liquid-crystals responding to the DNA conformational transition. *Analyst, The*, **2016**, 141, 2870-3	5	8
195	A novel, label-free fluorescent aptasensor for cocaine detection based on a G-quadruplex and ruthenium polypyridyl complex molecular light switch. *Analytical Methods*, **2016**, 8, 3740-3746	3.2	17
194	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. *Chemometrics and Intelligent Laboratory Systems*, **2016**, 155, 62-72	3.8	20
193	Quantitative generalized ratiometric fluorescence spectroscopy for turbid media based on probe encapsulated by biologically localized embedding. *Analytica Chimica Acta*, **2016**, 921, 38-45	6.6	6
192	Graphene oxide-peptide nanoassembly as a general approach for monitoring the activity of histone deacetylases. *Analyst, The*, **2016**, 141, 3989-92	5	13
191	Generalized multiple internal standard method for quantitative liquid chromatography mass spectrometry. *Journal of Chromatography A*, **2016**, 1445, 112-7	4.5	8
190	An aptasensor based on cobalt oxyhydroxide nanosheets for the detection of thrombin. *Analytical Methods*, **2016**, 8, 7199-7203	3.2	15
189	A ligation-based loop-mediated isothermal amplification (ligation-LAMP) strategy for highly selective microRNA detection. *Chemical Communications*, **2016**, 52, 12721-12724	5.8	47
188	MnO2-induced synthesis of fluorescent polydopamine nanoparticles for reduced glutathione sensing in human whole blood. *Nanoscale*, **2016**, 8, 15604-10	7.7	68

187	A study on the differential strategy of some iterative trilinear decomposition algorithms: PARAFAC-ALS, ATLD, SWATLD, and APTLD. *Journal of Chemometrics*, **2015**, 29, 179-192	1.6	17
186	A turn-on upconversion fluorescence resonance energy transfer biosensor for ultrasensitive endonuclease detection. *Analytical Methods*, **2015**, 7, 7474-7479	3.2	10
185	Solving signal instability to maintain the second-order advantage in the resolution and determination of multi-analytes in complex systems by modeling liquid chromatography-mass spectrometry data using alternating trilinear decomposition method assisted with piecewise direct standardization. *Journal of Chromatography A*, **2015**, 1407, 157-68	4.5	9
184	A cobalt oxyhydroxide-modified upconversion nanosystem for sensitive fluorescence sensing of ascorbic acid in human plasma. *Nanoscale*, **2015**, 7, 13951-7	7.7	56
183	A flexible trilinear decomposition algorithm for three-way calibration based on the trilinear component model and a theoretical extension of the algorithm to the multilinear component model. *Analytica Chimica Acta*, **2015**, 878, 63-77	6.6	12
182	MnO2-Nanosheet-Modified Upconversion Nanosystem for Sensitive Turn-On Fluorescence Detection of H2O2 and Glucose in Blood. *ACS Applied Materials & Interfaces*, **2015**, 7, 10548-55	9.5	265
181	Chemometrics-assisted determination of amiloride and triamterene in biological fluids with overlapped peaks and unknown interferences. *Bioanalysis*, **2015**, 7, 1685-97	2.1	9
180	A new label-free and turn-on fluorescence probe for hydrogen peroxide and glucose detection based on DNA□ilver nanoclusters. *Analytical Methods*, **2015**, 7, 7989-7994	3.2	11
179	A dual-amplification fluorescent sensing platform for ultrasensitive assay of nuclease and ATP based on rolling circle replication and exonuclease III-aided recycling. *RSC Advances*, **2015**, 5, 75055-75061	3.7	7
178	Surface-enhanced Raman spectroscopy based on conical holed enhancing substrates. *Analytica Chimica Acta*, **2015**, 887, 45-50	6.6	7
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