

# Ru-Qin Yu

## List of Publications by Citations

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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	Highly sensitive and selective strategy for microRNA detection based on WS2 nanosheet mediated fluorescence quenching and duplex-specific nuclease signal amplification. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 1361-5	7.8	311
329	MnO <sub>2</sub> -Nanosheet-Modified Upconversion Nanosystem for Sensitive Turn-On Fluorescence Detection of H <sub>2</sub> O <sub>2</sub> and Glucose in Blood. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 10548-55	9.5	265
328	Electrochemical aptasensor based on proximity-dependent surface hybridization assay for single-step, reusable, sensitive protein detection. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 15448-9	16.4	181
327	A novel trilinear decomposition algorithm for second-order linear calibration. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2000</b> , 52, 75-86	3.8	160
326	A targeted, self-delivered, and photocontrolled molecular beacon for mRNA detection in living cells. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 12952-5	16.4	153
325	Graphitic Carbon Nitride Nanosheets-Based Ratiometric Fluorescent Probe for Highly Sensitive Detection of HO and Glucose. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 33439-33445	9.5	130
324	A highly sensitive target-primed rolling circle amplification (TPRCA) method for fluorescent in situ hybridization detection of microRNA in tumor cells. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 1808-15	7.8	116
323	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> , <b>2005</b> , 19, 65-76	1.6	113
322	A dual enzyme-inorganic hybrid nanoflower incorporated microfluidic paper-based analytic device (PAD) biosensor for sensitive visualized detection of glucose. <i>Nanoscale</i> , <b>2017</b> , 9, 5658-5663	7.7	82
321	A fluorescent graphitic carbon nitride nanosheet biosensor for highly sensitive, label-free detection of alkaline phosphatase. <i>Nanoscale</i> , <b>2016</b> , 8, 4727-32	7.7	82
320	Phospholipid-modified upconversion nanoprobe for ratiometric fluorescence detection and imaging of phospholipase D in cell lysate and in living cells. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 7119-27	7.8	78
319	Recent developments of chemical multiway calibration methodologies with second-order or higher-order advantages. <i>Journal of Chemometrics</i> , <b>2014</b> , 28, 476-489	1.6	77
318	DNA encapsulating liposome based rolling circle amplification immunoassay as a versatile platform for ultrasensitive detection of protein. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 9664-73	7.8	69
317	Interference-free determination of Sudan dyes in chilli foods using second-order calibration algorithms coupled with HPLC-DAD. <i>Talanta</i> , <b>2007</b> , 72, 926-31	6.2	69
316	Efficient way to estimate the optimum number of factors for trilinear decomposition. <i>Analytica Chimica Acta</i> , <b>2001</b> , 444, 295-307	6.6	69
315	MnO <sub>2</sub> -induced synthesis of fluorescent polydopamine nanoparticles for reduced glutathione sensing in human whole blood. <i>Nanoscale</i> , <b>2016</b> , 8, 15604-10	7.7	68
314	Smart Photonic Crystal Hydrogel Material for Uranyl Ion Monitoring and Removal in Water. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1702147	15.6	66

313	Quantitative spectroscopic analysis of heterogeneous mixtures: the correction of multiplicative effects caused by variations in physical properties of samples. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 320-6	7.8	66
312	Branched Hybridization Chain Reaction Circuit for Ultrasensitive Localizable Imaging of mRNA in Living Cells. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 1502-1505	7.8	61
311	A cobalt oxyhydroxide nanoflake-based nanoprobe for the sensitive fluorescence detection of T4 polynucleotide kinase activity and inhibition. <i>Nanoscale</i> , <b>2016</b> , 8, 8202-9	7.7	60
310	A Mediator-Free Tyrosinase Biosensor Based on ZnO Sol-Gel Matrix. <i>Electroanalysis</i> , <b>2005</b> , 17, 1065-1070		60
309	Melanin-Like Nanoquencher on Graphitic Carbon Nitride Nanosheets for Tyrosinase Activity and Inhibitor Assay. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 8355-8	7.8	59
308	A label-free electrochemical biosensor for highly sensitive and selective detection of DNA via a dual-amplified strategy. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 54, 442-7	11.8	59
307	Activatable two-photon fluorescence nanoprobe for bioimaging of glutathione in living cells and tissues. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 12321-6	7.8	58
306	Highly-sensitive liquid crystal biosensor based on DNA dendrimers-mediated optical reorientation. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 62, 84-9	11.8	57
305	A cobalt oxyhydroxide-modified upconversion nanosystem for sensitive fluorescence sensing of ascorbic acid in human plasma. <i>Nanoscale</i> , <b>2015</b> , 7, 13951-7	7.7	56
304	Double-strand DNA-templated synthesis of copper nanoclusters as novel fluorescence probe for label-free detection of biothiols. <i>Analytical Methods</i> , <b>2013</b> , 5, 3577	3.2	56
303	Quench-Shield Ratiometric Upconversion Luminescence Nanoplatfor for Biosensing. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 1639-46	7.8	52
302	Fluorescence spectral study of interaction of water-soluble metal complexes of Schiff-base and DNA. <i>Analytical Sciences</i> , <b>2001</b> , 17, 1031-6	1.7	52
301	A rapid and efficient strategy for creating super-hydrophobic coatings on various material substrates. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 4442		51
300	Electrochemical immunosensor based on Pd-Au nanoparticles supported on functionalized PDDA-MWCNT nanocomposites for aflatoxin B1 detection. <i>Analytical Biochemistry</i> , <b>2016</b> , 494, 10-5	3.1	50
299	Core-Shell-Shell Multifunctional Nanoplatfor for Intracellular Tumor-Related mRNAs Imaging and Near-Infrared Light Triggered Photodynamic-Photothermal Synergistic Therapy. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 10321-10328	7.8	50
298	A highly sensitive label-free sensor for Mercury ion (Hg <sup>2+</sup> ) by inhibiting thioflavin T as DNA G-quadruplexes fluorescent inducer. <i>Talanta</i> , <b>2014</b> , 122, 85-90	6.2	50
297	Fast HPLC-DAD quantification of nine polyphenols in honey by using second-order calibration method based on trilinear decomposition algorithm. <i>Food Chemistry</i> , <b>2013</b> , 138, 62-9	8.5	50
296	Preliminary study on the application of near infrared spectroscopy and pattern recognition methods to classify different types of apple samples. <i>Food Chemistry</i> , <b>2011</b> , 128, 555-61	8.5	47

295	Alternating penalty quadrilinear decomposition algorithm for an analysis of four-way data arrays. <i>Journal of Chemometrics</i> , <b>2007</b> , 21, 133-144	1.6	47
294	Immobilization of Enzymes on the Nano-Au Film Modified Glassy Carbon Electrode for the Determination of Hydrogen Peroxide and Glucose. <i>Electroanalysis</i> , <b>2004</b> , 16, 736-740	3	47
293	A ligation-based loop-mediated isothermal amplification (ligation-LAMP) strategy for highly selective microRNA detection. <i>Chemical Communications</i> , <b>2016</b> , 52, 12721-12724	5.8	47
292	A MgO Nanoparticles Composite Matrix-Based Electrochemical Biosensor for Hydrogen Peroxide with High Sensitivity. <i>Electroanalysis</i> , <b>2010</b> , 22, 471-477	3	46
291	Trilinear decomposition method applied to removal of three-dimensional background drift in comprehensive two-dimensional separation data. <i>Journal of Chromatography A</i> , <b>2007</b> , 1167, 178-83	4.5	46
290	In Situ Imaging of Individual mRNA Mutation in Single Cells Using Ligation-Mediated Branched Hybridization Chain Reaction (Ligation-bHCR). <i>Analytical Chemistry</i> , <b>2017</b> , 89, 3445-3451	7.8	44
289	A sensitive electrochemical biosensor for microRNA detection based on streptavidin-gold nanoparticles and enzymatic amplification. <i>Analytical Methods</i> , <b>2014</b> , 6, 2889-2893	3.2	44
288	Fabrication of a LRET-based upconverting hybrid nanocomposite for turn-on sensing of H <sub>2</sub> O <sub>2</sub> and glucose. <i>Nanoscale</i> , <b>2016</b> , 8, 8939-46	7.7	42
287	Multi-targeted interference-free determination of ten $\beta$ -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> , <b>2014</b> , 848, 10-24	6.6	42
286	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> , <b>2012</b> , 1264, 63-71	4.5	42
285	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> , <b>2013</b> , 37, 3998	3.6	41
284	Three-way data resolution by alternating slice-wise diagonalization (ASD) method. <i>Journal of Chemometrics</i> , <b>2000</b> , 14, 15-36	1.6	41
283	A novel fluorescent probe for sensitive detection and imaging of hydrazine in living cells. <i>Talanta</i> , <b>2017</b> , 162, 225-231	6.2	40
282	Novel Aptasensor Platform Based on Ratiometric Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 2852-2858	7.8	39
281	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> , <b>2019</b> , 293, 348-357	8.5	38
280	Determination of the number of components in mixtures using a new approach incorporating chemical information. <i>Journal of Chemometrics</i> , <b>1999</b> , 13, 15-30	1.6	38
279	Novel ratiometric surface-enhanced raman spectroscopy aptasensor for sensitive and reproducible sensing of Hg. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 99, 646-652	11.8	37
278	Tumor-Targeted Graphitic Carbon Nitride Nanoassembly for Activatable Two-Photon Fluorescence Imaging. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 4649-4656	7.8	36

277	Iodide-Selective PVC Membrane Electrodes Based on Five Transitional Metal Chelates of bis-furfural-semi-o-tolidine. <i>Analytical Letters</i> , <b>1997</b> , 30, 1455-1464	2.2	36
276	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> , <b>2003</b> , 17, 186-197	1.6	36
275	On the self-weighted alternating trilinear decomposition algorithm: the property of being insensitive to excess factors used in calculation. <i>Journal of Chemometrics</i> , <b>2001</b> , 15, 439-453	1.6	36
274	Robust principal component analysis by projection pursuit. <i>Journal of Chemometrics</i> , <b>1993</b> , 7, 527-541	1.6	36
273	Determination of pesticides in vegetable samples using an acetylcholinesterase biosensor based on nanoparticles ZrO <sub>2</sub> /chitosan composite film. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2005</b> , 85, 163-175	1.8	35
272	Signal-Enhanced Liquid-Crystal DNA Biosensors Based on Enzymatic Metal Deposition. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 8790-8793	3.6	32
271	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> , <b>2014</b> , 947-948, 32-40	3.2	31
270	Amperometric Biosensors for Glucose Based on Layer-by-Layer Assembled Functionalized Carbon Nanotube and Poly (Neutral Red) Multilayer Film. <i>Analytical Letters</i> , <b>2006</b> , 39, 1785-1799	2.2	31
269	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> , <b>2014</b> , 122, 293-301	6.2	30
268	A Sensitive Electrochemical Immunosensor for $\alpha$ -Fetoprotein Detection with Colloidal Gold-Based Dextrin Enzyme Complex Amplification. <i>Electroanalysis</i> , <b>2010</b> , 22, 244-250	3	30
267	Interaction of Metal Complexes of Bis(salicylidene)ethylenediamine with DNA.. <i>Analytical Sciences</i> , <b>2000</b> , 16, 1255-1259	1.7	30
266	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 170, 104-110	4.4	29
265	Activatable Fluorescence Probe via Self-Immolative Intramolecular Cyclization for Histone Deacetylase Imaging in Live Cells and Tissues. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 5534-5539	7.8	29
264	"Light-up" Sensing of human 8-oxoguanine DNA glycosylase activity by target-induced autocatalytic DNzyme-generated rolling circle amplification. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 679-84	11.8	29
263	Label-Free Electrochemical Biosensor of Mercury Ions Based on DNA Strand Displacement by Thymine-Hg(II)-Thymine Complex. <i>Electroanalysis</i> , <b>2010</b> , 22, 2110-2116	3	29
262	Single-Nanoparticle ICPMS DNA Assay Based on Hybridization-Chain-Reaction-Mediated Spherical Nucleic Acid Assembly. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 2379-2382	7.8	28
261	DNA-stabilized silver nanoclusters with guanine-enhanced fluorescence as a novel indicator for enzymatic detection of cholesterol. <i>Analytical Methods</i> , <b>2013</b> , 5, 2182	3.2	28
260	Analysis of PAHs in air-borne particulates in Hong Kong City by heuristic evolving latent projections. <i>Science in China Series B: Chemistry</i> , <b>1998</b> , 41, 21-29		28

259	Sensitive inkjet printing paper-based colorimetric strips for acetylcholinesterase inhibitors with indoxyl acetate substrate. <i>Talanta</i> , <b>2017</b> , 162, 174-179	6.2	27
258	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> , <b>2015</b> , 38, 2781-8	3.4	27
257	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> , <b>1998</b> , 360, 47-51		27
256	The Electrochemical Properties of Co(TPP), Tetraphenylborate Modified Glassy Carbon Electrode: Application to Dopamine and Uric Acid Analysis. <i>Electroanalysis</i> , <b>2006</b> , 18, 440-448	3	27
255	Background eliminated signal-on electrochemical aptasensing platform for highly sensitive detection of protein. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 66, 363-9	11.8	26
254	Label-free liquid crystal biosensor for L-histidine: A DNAzyme-based platform for small molecule assay. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 650-5	11.8	25
253	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> , <b>2014</b> , 962, 59-67	3.2	25
252	A PARAFAC algorithm using penalty diagonalization error (PDE) for three-way data array resolution. <i>Analyst, The</i> , <b>2000</b> , 125, 2303-10	5	25
251	Alternating coupled vectors resolution (ACOVER) method for trilinear analysis of three-way data. <i>Journal of Chemometrics</i> , <b>1999</b> , 13, 557-578	1.6	25
250	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> , <b>2016</b> , 1026, 114-123	3.2	24
249	Detection of inborn errors of metabolism utilizing GC-MS urinary metabolomics coupled with a modified orthogonal partial least squares discriminant analysis. <i>Talanta</i> , <b>2017</b> , 165, 545-552	6.2	24
248	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> , <b>2017</b> , 9, 3361-3374	3.2	24
247	Label-Free Photonic Crystal-Based $\beta$ -Lactamase Biosensor for $\beta$ -Lactam Antibiotic and $\beta$ -Lactamase Inhibitor. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 9207-12	7.8	24
246	Pseudo alternating least squares algorithm for trilinear decomposition. <i>Journal of Chemometrics</i> , <b>2001</b> , 15, 149-167	1.6	24
245	Multivalent Self-Assembled DNA Polymer for Tumor-Targeted Delivery and Live Cell Imaging of Telomerase Activity. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 13188-13192	7.8	24
244	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> , <b>2017</b> , 160, 125-138	3.8	23
243	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> , <b>2016</b> , 1435, 75-84	4.5	23
242	Mass Spectrometry Based Ultrasensitive DNA Methylation Profiling Using Target Fragmentation Assay. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 1083-7	7.8	23

241	A novel DNAzyme-based colorimetric assay for the detection of hOGG1 activity with lambda exonuclease cleavage. <i>Analytical Methods</i> , <b>2013</b> , 5, 164-168	3.2	23
240	An electrochemical assay of polynucleotide kinase activity based on streptavidin-gold nanoparticles and enzymatic amplification. <i>RSC Advances</i> , <b>2013</b> , 3, 18128	3.7	23
239	An efficient fluorescence turn-on probe for Al <sup>3+</sup> based on aggregation-induced emission. <i>Analytical Methods</i> , <b>2013</b> , 5, 3909	3.2	23
238	A novel ethacrynic acid sensor based on a lanthanide porphyrin complex in a PVC matrix. <i>Analyst</i> , <b>2000</b> , 125, 867-70	5	23
237	Network training and architecture optimization by a recursive approach and a modified genetic algorithm. <i>Journal of Chemometrics</i> , <b>1996</b> , 10, 253-267	1.6	23
236	Programmable Self-Assembly of Protein-Scaffolded DNA Nanohydrogels for Tumor-Targeted Imaging and Therapy. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 2610-2614	7.8	22
235	Photonic crystal enhanced gold-silver nanoclusters fluorescent sensor for Hg ion. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1114, 50-57	6.6	22
234	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> , <b>2014</b> , 1364, 151-62	4.5	22
233	A Sequence-Selective Electrochemical DNA Biosensor Based on HRP-Labeled Probe for Colorectal Cancer DNA Detection. <i>Analytical Letters</i> , <b>2008</b> , 41, 24-35	2.2	22
232	A label-free electrochemical impedance immunosensor for the sensitive detection of aflatoxin B1. <i>Analytical Methods</i> , <b>2015</b> , 7, 2354-2359	3.2	21
231	CoOOH-induced synthesis of fluorescent polydopamine nanoparticles for the detection of ascorbic acid. <i>Analytical Methods</i> , <b>2017</b> , 9, 5518-5524	3.2	21
230	Interference-free determination of and in plant samples using excitation-emission matrix fluorescence based on oxidation/derivatization coupled with second-order calibration methods. <i>Analytical Methods</i> , <b>2009</b> , 1, 115-122	3.2	21
229	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> , <b>2006</b> , 20, 13-21	1.6	21
228	A Reagentless Tyrosinase Biosensor Based on 1,6-Hexanedithiol and Nano-Au Self-Assembled Monolayers. <i>Electroanalysis</i> , <b>2006</b> , 18, 1572-1577	3	21
227	Label-Free and Multiplexed Quantification of microRNAs by Mass Spectrometry Based on Duplex-Specific-Nuclease-Assisted Recycling Amplification. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 2120-2127	7.8	21
226	Sensitive fluorescence sensing of T4 polynucleotide kinase activity and inhibition based on DNA/polydopamine nanospheres platform. <i>Talanta</i> , <b>2018</b> , 180, 271-276	6.2	20
225	Bimetallic gold-silver nanocluster fluorescent probes for Cr(III) and Cr(VI). <i>Analytical Methods</i> , <b>2016</b> , 8, 7237-7241	3.2	20
224	Light-up RNA aptamer enabled label-free protein detection via a proximity induced transcription assay. <i>Chemical Communications</i> , <b>2018</b> , 54, 8877-8880	5.8	20

223	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> , <b>2014</b> , 6, 6358-6368	3.2	20
222	A label free exonuclease III-aided fluorescence assay for adenosine triphosphate based on graphene oxide and ligation reaction. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 927	3.6	20
221	Picric acid sensitive optode based on a fluorescence carrier covalently bound to membrane. <i>Analyst, The</i> , <b>2001</b> , 126, 349-52	5	20
220	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> , <b>2016</b> , 155, 62-72	3.8	20
219	Mitochondrion-Targeting, Environment-Sensitive Red Fluorescent Probe for Highly Sensitive Detection and Imaging of Vicinal Dithiol-Containing Proteins. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 11203-11207	7.8	19
218	A novel electrochemical immunosensor for ochratoxin A with hapten immobilization on thionine/gold nanoparticle modified glassy carbon electrode. <i>Analytical Methods</i> , <b>2013</b> , 5, 1481	3.2	19
217	Graphene Oxide/Peptide Conjugate as an Intracellular Protease Sensor for Caspase-3 Activation Imaging in Live Cells. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 7203-7207	3.6	19
216	Colorimetric Sensing of Adenosine Based on Aptamer Binding Inducing Gold Nanoparticle Aggregation. <i>Chinese Journal of Chemistry</i> , <b>2009</b> , 27, 1855-1859	4.9	19
215	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> , <b>2020</b> , 130, 115954	14.6	18
214	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> , <b>2015</b> , 861, 12-24	6.6	18
213	Setschenow Constant Prediction Based on the IEF-PCM Calculations. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 11182-11188	3.9	18
212	Label-Free Detection of DNA Hybridization Based on MnO <sub>2</sub> Nanoparticles. <i>Analytical Letters</i> , <b>2009</b> , 42, 3046-3057	2.2	18
211	A bipedal DNA nanowalker fueled by catalytic assembly for imaging of base-excision repairing in living cells. <i>Chemical Science</i> , <b>2020</b> , 11, 10361-10366	9.4	18
210	Mitochondrial-targeted near-infrared fluorescence probe for selective detection of fluoride ions in living cells. <i>Talanta</i> , <b>2019</b> , 204, 655-662	6.2	17
209	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> , <b>2019</b> , 201, 174-184	6.2	17
208	A study on the differential strategy of some iterative trilinear decomposition algorithms: PARAFAC-ALS, ATLD, SWATLD, and APTLD. <i>Journal of Chemometrics</i> , <b>2015</b> , 29, 179-192	1.6	17
207	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> , <b>2018</b> , 180, 108-119	6.2	17
206	Internal standard-based SERS aptasensor for ultrasensitive quantitative detection of Ag ion. <i>Talanta</i> , <b>2018</b> , 185, 30-36	6.2	17



205	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> , <b>2016</b> , 910, 36-44	6.6	17
204	Development of a highly sensitive sensing platform for T4 polynucleotide kinase phosphatase and its inhibitors based on WS2 nanosheets. <i>Analytical Methods</i> , <b>2014</b> , 6, 7212-7217	3.2	17
203	Improving the quantitative accuracy of surface-enhanced Raman spectroscopy by the combination of microfluidics with a multiplicative effects model. <i>Analytical Methods</i> , <b>2014</b> , 6, 2363-2370	3.2	17
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201	Cyclodextrin supramolecular inclusion-enhanced pyrene excimer switching for time-resolved fluorescence detection of biothiols in serum. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 68, 253-258	11.8	17
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199	Self-weighted alternating normalized residue fitting algorithm with application to quantitative analysis of excitation-emission matrix fluorescence data. <i>Analytical Methods</i> , <b>2010</b> , 2, 1918	3.2	17
198	Renewable amperometric immunosensor based on paraffin-graphite-transferrin antiserum biocomposite for transferrin assay. <i>Analyst, The</i> , <b>2000</b> , 125, 1595-9	5	17
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191	Surface Enhanced Laser Desorption Ionization of Phospholipids on Gold Nanoparticles for Mass Spectrometric Immunoassay. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 9881-9884	7.8	15
190	Plasmon Coupling Enhanced Raman Scattering Nanobeacon for Single-Step, Ultrasensitive Detection of Cholera Toxin. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 7447-52	7.8	15
189	New function of exonuclease and highly sensitive label-free colorimetric DNA detection. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 879-85	11.8	15
188	An aptasensor based on cobalt oxyhydroxide nanosheets for the detection of thrombin. <i>Analytical Methods</i> , <b>2016</b> , 8, 7199-7203	3.2	15

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181	Proximity-induced hybridization chain assembly with small-molecule linked DNA for single-step amplified detection of antibodies. <i>Chemical Communications</i> , <b>2019</b> , 55, 4387-4390	5.8	13
180	A single promoter system co-expressing RNA sensor with fluorescent proteins for quantitative mRNA imaging in living tumor cells. <i>Chemical Science</i> , <b>2019</b> , 10, 4828-4833	9.4	13
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178	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> , <b>2018</b> , 201, 111-116	4.4	13
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