

Xiu-Ping Yan

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295 papers	20,661 citations	77 h-index	131 g-index
308 ext. papers	22,853 ext. citations	7.4 avg, IF	7.59 L-index

#	Paper	IF	Citations
295	Metal-organic frameworks for analytical chemistry: from sample collection to chromatographic separation. <i>Accounts of Chemical Research</i> , 2012 , 45, 734-45	24.3	564
294	Doped quantum dots for chemo/biosensing and bioimaging. <i>Chemical Society Reviews</i> , 2013 , 42, 5489-5218	28.5	513
293	Functional near infrared-emitting Cr ³⁺ /Pr ³⁺ co-doped zinc gallogermanate persistent luminescent nanoparticles with superlong afterglow for in vivo targeted bioimaging. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14125-33	16.4	458
292	Metal-organic framework MIL-100(Fe) for the adsorption of malachite green from aqueous solution. <i>Journal of Materials Chemistry</i> , 2012 , 22, 7449		407
291	Fluorescent metal-organic framework MIL-53(Al) for highly selective and sensitive detection of Fe ³⁺ in aqueous solution. <i>Analytical Chemistry</i> , 2013 , 85, 7441-6	7.8	399
290	Surface molecular imprinting on Mn-doped ZnS quantum dots for room-temperature phosphorescence optosensing of pentachlorophenol in water. <i>Analytical Chemistry</i> , 2009 , 81, 1615-21	7.8	374
289	Metal-organic framework MIL-101 for high-resolution gas-chromatographic separation of xylene isomers and ethylbenzene. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1477-80	16.4	368
288	Facile magnetization of metal-organic framework MIL-101 for magnetic solid-phase extraction of polycyclic aromatic hydrocarbons in environmental water samples. <i>Analyst, The</i> , 2012 , 137, 3445-51	5	346
287	Zeolitic imidazolate framework-8 nanocrystal coated capillary for molecular sieving of branched alkanes from linear alkanes along with high-resolution chromatographic separation of linear alkanes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 13645-7	16.4	321
286	In situ hydrothermal growth of metal-organic framework 199 films on stainless steel fibers for solid-phase microextraction of gaseous benzene homologues. <i>Analytical Chemistry</i> , 2009 , 81, 9771-7	7.8	315
285	Conjugation of glucose oxidase onto Mn-doped ZnS quantum dots for phosphorescent sensing of glucose in biological fluids. <i>Analytical Chemistry</i> , 2010 , 82, 1427-33	7.8	313
284	An ion-imprinted functionalized silica gel sorbent prepared by a surface imprinting technique combined with a sol-gel process for selective solid-phase extraction of cadmium(II). <i>Analytical Chemistry</i> , 2005 , 77, 1734-9	7.8	291
283	Bottom-up synthesis of chiral covalent organic frameworks and their bound capillaries for chiral separation. <i>Nature Communications</i> , 2016 , 7, 12104	17.4	285
282	Metal-organic framework MIL-101(Cr) for high-performance liquid chromatographic separation of substituted aromatics. <i>Analytical Chemistry</i> , 2011 , 83, 7144-50	7.8	265
281	Multiwalled carbon nanotubes coated fibers for solid-phase microextraction of polybrominated diphenyl ethers in water and milk samples before gas chromatography with electron-capture detection. <i>Journal of Chromatography A</i> , 2006 , 1137, 8-14	4.5	261
280	Metal-organic-framework-based tandem molecular sieves as a dual platform for selective microextraction and high-resolution gas chromatographic separation of n-alkanes in complex matrixes. <i>Analytical Chemistry</i> , 2011 , 83, 7094-101	7.8	249
279	Graphene oxide based photoinduced charge transfer label-free near-infrared fluorescent biosensor for dopamine. <i>Analytical Chemistry</i> , 2011 , 83, 8787-93	7.8	240

278	Fluorescence resonance energy transfer inhibition assay for Hsp70 protein excreted during cancer cell growth using functionalized persistent luminescence nanoparticles. <i>Journal of the American Chemical Society</i> , 2011 , 133, 686-8	16.4	218
277	Exploring Mn-doped ZnS quantum dots for the room-temperature phosphorescence detection of enoxacin in biological fluids. <i>Analytical Chemistry</i> , 2008 , 80, 3832-7	7.8	218
276	Zeolitic imidazolate framework-8 for fast adsorption and removal of benzotriazoles from aqueous solution. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 9837-42	9.5	216
275	Preparation and evaluation of a molecularly imprinted sol-gel material for on-line solid-phase extraction coupled with high performance liquid chromatography for the determination of trace pentachlorophenol in water samples. <i>Journal of Chromatography A</i> , 2005 , 1100, 131-6	4.5	208
274	MOF-5 metal-organic framework as sorbent for in-field sampling and preconcentration in combination with thermal desorption GC/MS for determination of atmospheric formaldehyde. <i>Analytical Chemistry</i> , 2010 , 82, 1365-70	7.8	202
273	Amine-functionalized magnetic nanoparticles for rapid capture and removal of bacterial pathogens. <i>Environmental Science & Technology</i> , 2010 , 44, 7908-13	10.3	202
272	Controllable preparation of core-shell magnetic covalent-organic framework nanospheres for efficient adsorption and removal of bisphenols in aqueous solution. <i>Chemical Communications</i> , 2017 , 53, 2511-2514	5.8	201
271	Near infrared fluorescent trypsin stabilized gold nanoclusters as surface plasmon enhanced energy transfer biosensor and in vivo cancer imaging bioprobe. <i>Analytical Chemistry</i> , 2013 , 85, 3238-45	7.8	201
270	A multidimensional sensing device for the discrimination of proteins based on manganese-doped ZnS quantum dots. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 8118-21	16.4	195
269	Engineering Persistent Luminescence Nanoparticles for Biological Applications: From Biosensing/Bioimaging to Theranostics. <i>Accounts of Chemical Research</i> , 2018 , 51, 1131-1143	24.3	191
268	CdTe Quantum Dots (QDs) Based Kinetic Discrimination of Fe ²⁺ and Fe ³⁺ , and CdTe QDs-Fenton Hybrid System for Sensitive Photoluminescent Detection of Fe ²⁺ . <i>Analytical Chemistry</i> , 2009 , 81, 6252-6257	7.8	187
267	Metal-organic frameworks for efficient enrichment of peptides with simultaneous exclusion of proteins from complex biological samples. <i>Chemical Communications</i> , 2011 , 47, 4787-9	5.8	186
266	Facile room-temperature solution-phase synthesis of a spherical covalent organic framework for high-resolution chromatographic separation. <i>Chemical Communications</i> , 2015 , 51, 12254-7	5.8	181
265	Fabrication of transferrin functionalized gold nanoclusters/graphene oxide nanocomposite for turn-on near-infrared fluorescent bioimaging of cancer cells and small animals. <i>Analytical Chemistry</i> , 2013 , 85, 2529-35	7.8	176
264	An imprinted organic-inorganic hybrid sorbent for selective separation of cadmium from aqueous solution. <i>Analytical Chemistry</i> , 2004 , 76, 453-7	7.8	172
263	Probing the adsorption characteristic of metal-organic framework MIL-101 for volatile organic compounds by quartz crystal microbalance. <i>Environmental Science & Technology</i> , 2011 , 45, 4490-6	10.3	167
262	Photoactivated CdTe/CdSe quantum dots as a near infrared fluorescent probe for detecting biothiols in biological fluids. <i>Analytical Chemistry</i> , 2009 , 81, 5001-7	7.8	166
261	Preparation, characterization and evaluation of water-soluble l-cysteine-capped-CdS nanoparticles as fluorescence probe for detection of Hg(II) in aqueous solution. <i>Analytica Chimica Acta</i> , 2006 , 559, 234-239	6.6	163

- 260 Dual-stimuli responsive and reversibly activatable theranostic nanoprobe for precision tumor-targeting and fluorescence-guided photothermal therapy. *Nature Communications*, **2017**, 8, 14998 17.4 158
- 259 Zeolite imidazolate framework-8 as sorbent for on-line solid-phase extraction coupled with high-performance liquid chromatography for the determination of tetracyclines in water and milk samples. *Journal of Chromatography A*, **2013**, 1304, 28-33 4.5 152
- 258 Advances in covalent organic frameworks in separation science. *Journal of Chromatography A*, **2018**, 1542, 1-18 4.5 150
- 257 Covalent bonding of zeolitic imidazolate framework-90 to functionalized silica fibers for solid-phase microextraction. *Chemical Communications*, **2013**, 49, 2142-4 5.8 146
- 256 Hydrofluoric acid etched stainless steel wire for solid-phase microextraction. *Analytical Chemistry*, **2009**, 81, 4971-7 7.8 140
- 255 Fabrication of metal-organic framework MIL-88B films on stainless steel fibers for solid-phase microextraction of polychlorinated biphenyls. *Journal of Chromatography A*, **2014**, 1334, 1-8 4.5 137
- 254 Adsorption and Separation of Xylene Isomers and Ethylbenzene on Two Zn^{II}terephthalate Metal-Organic Frameworks. *Journal of Physical Chemistry C*, **2010**, 114, 311-316 3.8 135
- 253 Fabrication of ZIF-8@SiO₂ core-shell microspheres as the stationary phase for high-performance liquid chromatography. *Chemistry - A European Journal*, **2013**, 19, 13484-91 4.8 133
- 252 Discrimination of saccharides with a fluorescent molecular imprinting sensor array based on phenylboronic acid functionalized mesoporous silica. *Analytical Chemistry*, **2009**, 81, 5273-80 7.8 132
- 251 High-Crystallinity Covalent Organic Framework with Dual Fluorescence Emissions and Its Ratiometric Sensing Application. *ACS Applied Materials & Interfaces*, **2017**, 9, 24999-25005 9.5 129
- 250 Metal-organic framework UiO-66 coated stainless steel fiber for solid-phase microextraction of phenols in water samples. *Journal of Chromatography A*, **2014**, 1357, 165-71 4.5 125
- 249 Fabrication of vascular endothelial growth factor antibody bioconjugated ultrasmall near-infrared fluorescent Ag₂S quantum dots for targeted cancer imaging in vivo. *Chemical Communications*, **2013**, 49, 3324-6 5.8 119
- 248 Distribution of arsenic(III), arsenic(V) and total inorganic arsenic in porewaters from a thick till and clay-rich aquitard sequence, Saskatchewan, Canada. *Geochimica Et Cosmochimica Acta*, **2000**, 64, 2637-2648 5.5 119
- 247 Fabrication of isorecticular metal-organic framework coated capillary columns for high-resolution gas chromatographic separation of persistent organic pollutants. *Analytical Chemistry*, **2011**, 83, 5093-100 7.8 118
- 246 Gadolinium complexes functionalized persistent luminescent nanoparticles as a multimodal probe for near-infrared luminescence and magnetic resonance imaging in vivo. *Analytical Chemistry*, **2014**, 86, 4096-101 7.8 116
- 245 Fabrication of graphene oxide nanosheets incorporated monolithic column via one-step room temperature polymerization for capillary electrochromatography. *Analytical Chemistry*, **2012**, 84, 39-44 7.8 116
- 244 Exploration of coordination polymer as sorbent for flow injection solid-phase extraction on-line coupled with high-performance liquid chromatography for determination of polycyclic aromatic hydrocarbons in environmental materials. *Journal of Chromatography A*, **2006**, 1116, 172-8 4.5 116
- 243 Exploring reverse shape selectivity and molecular sieving effect of metal-organic framework UiO-66 coated capillary column for gas chromatographic separation. *Journal of Chromatography A*, **2012**, 1257, 116-24 4.5 114

242	A dehydration and stabilizer-free approach to production of stable water dispersions of graphene nanosheets. <i>Journal of Materials Chemistry</i> , 2010 , 20, 4328		114
241	Ionic strength and pH reversible response of visible and near-infrared fluorescence of graphene oxide nanosheets for monitoring the extracellular pH. <i>Chemical Communications</i> , 2011 , 47, 3135-7	5.8	110
240	Incorporation of metal-organic framework UiO-66 into porous polymer monoliths to enhance the liquid chromatographic separation of small molecules. <i>Chemical Communications</i> , 2013 , 49, 7162-4	5.8	107
239	Fabrication of multifunctional Gd ₂ O ₃ /Au hybrid nanoprobe via a one-step approach for near-infrared fluorescence and magnetic resonance multimodal imaging in vivo. <i>Analytical Chemistry</i> , 2013 , 85, 8436-41	7.8	107
238	High-performance liquid chromatographic separation of position isomers using metal-organic framework MIL-53(Al) as the stationary phase. <i>Analyst, The</i> , 2012 , 137, 133-9	5	106
237	Preparation, Characterization, and Application of L-Cysteine Functionalized Multiwalled Carbon Nanotubes as a Selective Sorbent for Separation and Preconcentration of Heavy Metals. <i>Advanced Functional Materials</i> , 2008 , 18, 1536-1543	15.6	105
236	High-performance separation of fullerenes on metal-organic framework MIL-101(Cr). <i>Chemistry - A European Journal</i> , 2011 , 17, 11734-7	4.8	104
235	A versatile covalent organic framework-based platform for sensing biomolecules. <i>Chemical Communications</i> , 2017 , 53, 11469-11471	5.8	103
234	Antigen-Directed Fabrication of a Multifunctional Nanovaccine with Ultrahigh Antigen Loading Efficiency for Tumor Photothermal-Immunotherapy. <i>Advanced Materials</i> , 2018 , 30, 1704408	24	102
233	Self-assembly of Mn-doped ZnS quantum dots/octa(3-aminopropyl)octasilsequioxane octahydrochloride nanohybrids for optosensing DNA. <i>Chemistry - A European Journal</i> , 2009 , 15, 5436-40	4.8	100
232	Room-temperature phosphorescent discrimination of catechol from resorcinol and hydroquinone based on sodium tripolyphosphate capped Mn-doped ZnS quantum dots. <i>Analytical Chemistry</i> , 2013 , 85, 1920-5	7.8	98
231	Metal-organic framework MIL-100(Fe) as the stationary phase for both normal-phase and reverse-phase high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2013 , 1274, 137-44	4.5	96
230	Chemical redox modulation of the surface chemistry of CdTe quantum dots for probing ascorbic acid in biological fluids. <i>Small</i> , 2009 , 5, 2012-8	11	92
229	Metal-organic frameworks for reverse-phase high-performance liquid chromatography. <i>Analyst, The</i> , 2012 , 137, 816-8	5	86
228	A gold nanorod based colorimetric probe for the rapid and selective detection of Cu ²⁺ ions. <i>Analyst, The</i> , 2011 , 136, 3904-10	5	86
227	Ni ²⁺ -modulated homocysteine-capped CdTe quantum dots as a turn-on photoluminescent sensor for detecting histidine in biological fluids. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 485-90	11.8	86
226	Probing mercury species-DNA interactions by capillary electrophoresis with on-line electrothermal atomic absorption spectrometric detection. <i>Analytical Chemistry</i> , 2006 , 78, 6115-20	7.8	86
225	Self-assembly of folate onto polyethyleneimine-coated CdS/ZnS quantum dots for targeted turn-on fluorescence imaging of folate receptor overexpressed cancer cells. <i>Analytical Chemistry</i> , 2013 , 85, 228-34	7.8	84

224	Flow injection on-line sorption preconcentration coupled with hydride generation atomic fluorescence spectrometry for determination of (ultra)trace amounts of arsenic(III) and arsenic(V) in natural water samples. <i>Analytical Chemistry</i> , 2002 , 74, 2162-6	7.8	84
223	Synthesis of functionalized triple-doped zinc gallogermanate nanoparticles with superlong near-infrared persistent luminescence for long-term orally administrated bioimaging. <i>Nanoscale</i> , 2016 , 8, 14965-70	7.7	82
222	Cationic Covalent Organic Nanosheets for Rapid and Selective Capture of Perrhenate: An Analogue of Radioactive Pertechnetate from Aqueous Solution. <i>Environmental Science & Technology</i> , 2019 , 53, 5212-5220	10.3	80
221	Fabrication of molecularly imprinted hybrid monoliths via a room temperature ionic liquid-mediated nonhydrolytic sol-gel route for chiral separation of zolmitriptan by capillary electrochromatography. <i>Electrophoresis</i> , 2008 , 29, 952-9	3.6	80
220	Cloud point extraction for high-performance liquid chromatographic speciation of Cr(III) and Cr(VI) in aqueous solutions. <i>Journal of Chromatography A</i> , 2004 , 1036, 183-8	4.5	79
219	Facile Synthesis of Uniform-Sized Bismuth Nanoparticles for CT Visualization of Gastrointestinal Tract in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12720-6	9.5	79
218	Ratiometric Fluorescent Detection of Phosphate in Aqueous Solution Based on Near Infrared Fluorescent Silver Nanoclusters/Metal-Organic Shell Composite. <i>Analytical Chemistry</i> , 2015 , 87, 11455-9	7.8	75
217	Aqueous layer-by-layer epitaxy of type-II CdTe/CdSe quantum dots with near-infrared fluorescence for bioimaging applications. <i>Small</i> , 2009 , 5, 185-9	11	75
216	Speciation of mercury by hydrostatically modified electroosmotic flow capillary electrophoresis coupled with volatile species generation atomic fluorescence spectrometry. <i>Analytical Chemistry</i> , 2003 , 75, 1726-32	7.8	75
215	Simultaneous determination of trace cadmium and arsenic in biological samples by hydride generation-double channel atomic fluorescence spectrometry. <i>Analytical Chemistry</i> , 2002 , 74, 1525-9	7.8	75
214	Speciation of dissolved iron(III) and iron(II) in water by on-line coupling of flow injection separation and preconcentration with inductively coupled plasma mass spectrometry. <i>Analytical Chemistry</i> , 2000 , 72, 1879-84	7.8	75
213	Metal-organic framework-801 for efficient removal of fluoride from water. <i>Microporous and Mesoporous Materials</i> , 2018 , 259, 163-170	5.3	72
212	Magnetic immobilization of amine-functionalized magnetite microspheres in a knotted reactor for on-line solid-phase extraction coupled with ICP-MS for speciation analysis of trace chromium. <i>Journal of Analytical Atomic Spectrometry</i> , 2010 , 25, 1467	3.7	72
211	An indicator-displacement assay for naked-eye detection and quantification of histidine in human urine. <i>Analyst, The</i> , 2012 , 137, 2124-8	5	70
210	Multimodality molecular imaging. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2008 , 27, 48-57		70
209	Determination of (ultra)trace amounts of arsenic(III) and arsenic(V) in water by inductively coupled plasma mass spectrometry coupled with flow injection on-line sorption preconcentration and separation in a knotted reactor. <i>Analytical Chemistry</i> , 1998 , 70, 4736-42	7.8	69
208	A dual-targeting upconversion nanoplatfrom for two-color fluorescence imaging-guided photodynamic therapy. <i>Analytical Chemistry</i> , 2014 , 86, 3263-7	7.8	68
207	Molecularly-imprinted monoliths for sample treatment and separation. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 39, 207-217	14.6	68

206	Emerging porous materials in confined spaces: from chromatographic applications to flow chemistry. <i>Chemical Society Reviews</i> , 2019 , 48, 2566-2595	58.5	67
205	A fluorescent sensor array based on ion imprinted mesoporous silica. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 3316-21	11.8	67
204	Synthesis and characterization of indolocarbazole-quinoxalines with flat rigid structure for sensing fluoride and acetate anions. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 1751-5	3.9	66
203	Human serum albumin-mercurial species interactions. <i>Journal of Proteome Research</i> , 2007 , 6, 2277-86	5.6	66
202	pH Switchable NanoplatforM for In Vivo Persistent Luminescence Imaging and Precise Photothermal Therapy of Bacterial Infection. <i>Advanced Functional Materials</i> , 2020 , 30, 1909042	15.6	65
201	Activatable Multifunctional Persistent Luminescence Nanoparticle/Copper Sulfide Nanoprobe for in Vivo Luminescence Imaging-Guided Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32667-32674	9.5	65
200	Penetrating Peptide-Bioconjugated Persistent Nanophosphors for Long-Term Tracking of Adipose-Derived Stem Cells with Superior Signal-to-Noise Ratio. <i>Analytical Chemistry</i> , 2016 , 88, 4114-21	7.8	65
199	A Chiral Metal-Organic Material that Enables Enantiomeric Identification and Purification. <i>Chem</i> , 2017 , 3, 281-289	16.2	65
198	Fabrication of aluminum terephthalate metal-organic framework incorporated polymer monolith for the microextraction of non-steroidal anti-inflammatory drugs in water and urine samples. <i>Journal of Chromatography A</i> , 2015 , 1393, 1-7	4.5	64
197	A simple chemical etching strategy to generate "ion-imprinted" sites on the surface of quantum dots for selective fluorescence turn-on detecting of metal ions. <i>Chemical Communications</i> , 2010 , 46, 7046-8	5.8	64
196	Silica-coated S(2-)-enriched manganese-doped ZnS quantum dots as a photoluminescence probe for imaging intracellular Zn ²⁺ ions. <i>Analytical Chemistry</i> , 2011 , 83, 8239-44	7.8	64
195	Control of the coordination status of the open metal sites in metal-organic frameworks for high performance separation of polar compounds. <i>Langmuir</i> , 2012 , 28, 6794-802	4	62
194	Ultrasensitive, selective and simultaneous detection of cytochrome c and insulin based on immunoassay and aptamer-based bioassay in combination with Au/Ag nanoparticle tagging and ICP-MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2011 , 26, 1191	3.7	62
193	On-line coupling of flow injection displacement sorption preconcentration to high-performance liquid chromatography for speciation analysis of mercury in seafood. <i>Journal of Chromatography A</i> , 2004 , 1036, 119-25	4.5	62
192	Methacrylate-bonded covalent-organic framework monolithic columns for high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2017 , 1479, 137-144	4.5	61
191	Facile shape-controlled synthesis of well-aligned nanowire architectures in binary aqueous solution. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7659-63	16.4	60
190	Cloud point extraction preconcentration for capillary electrophoresis of metal ions. <i>Analytica Chimica Acta</i> , 2004 , 507, 199-204	6.6	60
189	Solid-phase extraction with the metal-organic framework MIL-101(Cr) combined with direct analysis in real time mass spectrometry for the fast analysis of triazine herbicides. <i>Journal of Separation Science</i> , 2014 , 37, 1489-95	3.4	57

188	Post-synthetic modification of metal-organic frameworks for chiral gas chromatography. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17861-17866	13	57
187	In situ room-temperature fabrication of a covalent organic framework and its bonded fiber for solid-phase microextraction of polychlorinated biphenyls in aquatic products. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 13249-13255	13	56
186	Ascorbic acid induced enhancement of room temperature phosphorescence of sodium tripolyphosphate-capped Mn-Doped ZnS quantum dots: mechanism and bioprobe applications. <i>Chemistry - A European Journal</i> , 2010 , 16, 12988-94	4.8	56
185	Irreversible Amide-Linked Covalent Organic Framework for Selective and Ultrafast Gold Recovery. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17607-17613	16.4	55
184	Ultrasonic assisted synthesis of adenosine triphosphate capped manganese-doped ZnS quantum dots for selective room temperature phosphorescence detection of arginine and methylated arginine in urine based on supramolecular Mg(2+)-adenosine triphosphate-arginine ternary system. <i>Talanta</i> , 2012 , 97, 16-22	6.2	55
183	On-line coupling of capillary electrophoresis to hydride generation atomic fluorescence spectrometry for arsenic speciation analysis. <i>Analytical Chemistry</i> , 2002 , 74, 3720-5	7.8	55
182	Bioconjugated persistent luminescence nanoparticles for Föter resonance energy transfer immunoassay of prostate specific antigen in serum and cell extracts without in situ excitation. <i>Chemical Communications</i> , 2015 , 51, 3903-6	5.8	54
181	Factors affecting the stability of inorganic and methylmercury during sample storage. <i>TrAC - Trends in Analytical Chemistry</i> , 2003 , 22, 245-253	14.6	54
180	Metal-organic framework polymethyl methacrylate composites for open-tubular capillary electrochromatography. <i>Journal of Chromatography A</i> , 2013 , 1316, 97-103	4.5	53
179	Selective measurement of ultratrace methylmercury in fish by flow injection on-line microcolumn displacement sorption preconcentration and separation coupled with electrothermal atomic absorption spectrometry. <i>Analytical Chemistry</i> , 2003 , 75, 2251-5	7.8	53
178	Development of an ambient temperature post-column oxidation system for high-performance liquid chromatography on-line coupled with cold vapor atomic fluorescence spectrometry for mercury speciation in seafood. <i>Journal of Analytical Atomic Spectrometry</i> , 2005 , 20, 467	3.7	53
177	A sensitive and selective resonance light scattering bioassay for homocysteine in biological fluids based on target-involved assembly of polyethyleneimine-capped Ag-nanoclusters. <i>Chemical Communications</i> , 2011 , 47, 3817-9	5.8	52
176	Room temperature fabrication of post-modified zeolitic imidazolate framework-90 as stationary phase for open-tubular capillary electrochromatography. <i>Journal of Chromatography A</i> , 2014 , 1343, 188-194	4.5	51
175	Incorporation of computed tomography and magnetic resonance imaging function into NaYF ₄ :Yb/Tm upconversion nanoparticles for in vivo trimodal bioimaging. <i>Analytical Chemistry</i> , 2013 , 85, 12166-72	7.8	51
174	A Dual-Functional Persistently Luminescent Nanocomposite Enables Engineering of Mesenchymal Stem Cells for Homing and Gene Therapy of Glioblastoma. <i>Advanced Functional Materials</i> , 2017 , 27, 1604992	15.6	50
173	Liposome-Coated Persistent Luminescence Nanoparticles as Luminescence Trackable Drug Carrier for Chemotherapy. <i>Analytical Chemistry</i> , 2017 , 89, 6936-6939	7.8	50
172	Vapour generation atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 1994 , 291, 89-105	6.6	49
171	In Situ Growth of Covalent Organic Framework Shells on Silica Microspheres for Application in Liquid Chromatography. <i>ChemPlusChem</i> , 2017 , 82, 933-938	2.8	48

170	2,1,3-Benzoxadiazole-based selective chromogenic chemosensor for rapid naked-eye detection of Hg ²⁺ and Cu ²⁺ . <i>Talanta</i> , 2008 , 76, 9-14	6.2	48
169	Flow injection on-line group preconcentration and separation of (ultra)trace rare earth elements in environmental and geological samples by precipitation using a knotted reactor as a filterless collector for inductively coupled plasma mass spectrometric determination. <i>Journal of Analytical Atomic Spectrometry</i> , 1999 , 14, 215-221	3.7	48
168	Mimicking Drug-Substrate Interaction: A Smart Bioinspired Technology for the Fabrication of Theranostic Nanoprobes. <i>Advanced Functional Materials</i> , 2017 , 27, 1603440	15.6	47
167	Room temperature ionic liquids enhanced chemical vapor generation of copper, silver and gold following reduction in acidified aqueous solution with KBH ₄ for atomic fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2008 , 23, 1372	3.7	47
166	Gold nanoparticles amplified ultrasensitive quantification of human urinary protein by capillary electrophoresis with on-line inductively coupled plasma mass spectroscopic detection. <i>Journal of Proteome Research</i> , 2010 , 9, 3545-50	5.6	46
165	Flow injection on-line preconcentration and separation coupled with atomic (mass) spectrometry for trace element (speciation) analysis based on sorption of organo-metallic complexes in a knotted reactor. <i>TrAC - Trends in Analytical Chemistry</i> , 2001 , 20, 552-562	14.6	46
164	Radiopaque tantalum oxide coated persistent luminescent nanoparticles as multimodal probes for in vivo near-infrared luminescence and computed tomography bioimaging. <i>Nanoscale</i> , 2015 , 7, 17929-37	7.7	45
163	Conjugation of a photosensitizer to near infrared light renewable persistent luminescence nanoparticles for photodynamic therapy. <i>Chemical Communications</i> , 2016 , 52, 13303-13306	5.8	44
162	A circular dichroism probe for L-cysteine based on the self-assembly of chiral complex nanoparticles. <i>Chemistry - A European Journal</i> , 2010 , 16, 423-7	4.8	44
161	Acrylic acid grafted polytetrafluoroethylene fiber as new packing for flow injection on-line microcolumn preconcentration coupled with flame atomic absorption spectrometry for determination of lead and cadmium in environmental and biological samples. <i>Analytica Chimica Acta</i> , 2004 , 514, 151-157	6.6	44
160	Layer-by-layer preparation of 3D covalent organic framework/silica composites for chromatographic separation of position isomers. <i>Chemical Communications</i> , 2018 , 54, 11765-11768	5.8	44
159	Covalent immobilization of covalent organic framework on stainless steel wire for solid-phase microextraction GC-MS/MS determination of sixteen polycyclic aromatic hydrocarbons in grilled meat samples. <i>Talanta</i> , 2019 , 201, 413-418	6.2	43
158	Post-synthetic modification of MIL-101(Cr) with pyridine for high-performance liquid chromatographic separation of tocopherols. <i>Talanta</i> , 2015 , 137, 136-42	6.2	43
157	Fabrication of folate bioconjugated near-infrared fluorescent silver nanoclusters for targeted in vitro and in vivo bioimaging. <i>Chemical Communications</i> , 2014 , 50, 14341-4	5.8	43
156	Intracellular Messenger RNA Triggered Catalytic Hairpin Assembly for Fluorescence Imaging Guided Photothermal Therapy. <i>Analytical Chemistry</i> , 2017 , 89, 7277-7281	7.8	42
155	Evaluation of isostructural metal-organic frameworks coated capillary columns for the gas chromatographic separation of alkane isomers. <i>Talanta</i> , 2012 , 99, 944-50	6.2	42
154	Hydrothermal and biomineralization synthesis of a dual-modal nanoprobe for targeted near-infrared persistent luminescence and magnetic resonance imaging. <i>Nanoscale</i> , 2017 , 9, 9049-9055	7.7	41
153	Metal-organic framework ZIF-8 nanocrystals as pseudostationary phase for capillary electrokinetic chromatography. <i>Electrophoresis</i> , 2012 , 33, 2896-902	3.6	41

152	Capillary electrophoresis on-line coupled with hydride generation-atomic fluorescence spectrometry for speciation analysis of selenium. <i>Electrophoresis</i> , 2005 , 26, 155-60	3.6	41
151	Development of a new hybrid technique for rapid speciation analysis by directly interfacing a microfluidic chip-based capillary electrophoresis system to atomic fluorescence spectrometry. <i>Electrophoresis</i> , 2005 , 26, 2261-8	3.6	41
150	In situ concentration of mercury vapour in a palladium-coated graphite tube: determination of mercury by atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 1993 , 272, 105-114	6.6	41
149	Synthesis of magnetic amino-functionalized microporous organic network composites for magnetic solid phase extraction of endocrine disrupting chemicals from water, beverage bottle and juice samples. <i>Talanta</i> , 2020 , 206, 120179	6.2	41
148	Fabrication of a covalent organic framework and its gold nanoparticle hybrids as stable mimetic peroxidase for sensitive and selective colorimetric detection of mercury in water samples. <i>Talanta</i> , 2019 , 204, 224-228	6.2	40
147	Investigation of on-line coupling electrothermal atomic absorption spectrometry with flow injection sorption preconcentration using a knotted reactor for totally automatic determination of lead in water samples. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1996 , 51, 1891-1908	3.1	40
146	Carboxyl-Functionalized Covalent Organic Frameworks for the Adsorption and Removal of Triphenylmethane Dyes. <i>ACS Applied Nano Materials</i> , 2019 , 2, 7290-7298	5.6	39
145	Ultrasensitive and highly selective detection of bioaccumulation of methyl-mercury in fish samples via Ag/Hg amalgamation. <i>Analytical Chemistry</i> , 2015 , 87, 2452-8	7.8	39
144	Metal-Organic Framework MIL-101 for High-Resolution Gas-Chromatographic Separation of Xylene Isomers and Ethylbenzene. <i>Angewandte Chemie</i> , 2010 , 122, 1519-1522	3.6	39
143	Cigarette filter as sorbent for on-line coupling of solid-phase extraction to high-performance liquid chromatography for determination of polycyclic aromatic hydrocarbons in water. <i>Journal of Chromatography A</i> , 2006 , 1103, 9-14	4.5	39
142	CE-ICP-MS for studying interactions between metals and biomolecules. <i>TrAC - Trends in Analytical Chemistry</i> , 2008 , 27, 554-565	14.6	38
141	Determination of (ultra)trace amounts of antimony(III) in water by flow injection on-line sorption preconcentration in a knotted reactor coupled with electrothermal atomic absorption spectrometry. <i>Analyst, The</i> , 1996 , 121, 1061	5	38
140	Biomimetic Persistent Luminescent Nanoplatform for Autofluorescence-Free Metastasis Tracking and Chemophotodynamic Therapy. <i>Analytical Chemistry</i> , 2018 , 90, 4188-4195	7.8	37
139	Selective adsorption and extraction of C70 and higher fullerenes on a reusable metal-organic framework MIL-101(Cr). <i>Journal of Materials Chemistry</i> , 2012 , 22, 17833		37
138	Displacement solid-phase extraction on mercapto-functionalized magnetite microspheres for inductively coupled plasma mass spectrometric determination of trace noble metals. <i>Analytica Chimica Acta</i> , 2011 , 692, 42-9	6.6	37
137	Sequential leachates of multiple grain size fractions from a clay-rich till, Saskatchewan, Canada: implications for controls on the rare earth element geochemistry of porewaters in an aquitard. <i>Chemical Geology</i> , 1999 , 158, 53-79	4.2	37
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135	Determination of trace cadmium in rice by flow injection on-line filterless precipitation-dissolution preconcentration coupled with flame atomic absorption spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 2111-4	5.7	36

134	On-line dynamic two-dimensional admicelles solvent extraction coupled to electrothermal atomic absorption spectrometry for determination of chromium(VI) in drinking water. <i>Analytica Chimica Acta</i> , 2005 , 536, 207-212	6.6	36
133	Determination of trace mercury in environmental and foods samples by online coupling of flow injection displacement sorption preconcentration to electrothermal atomic absorption spectrometry. <i>Environmental Science & Technology</i> , 2002 , 36, 4886-91	10.3	36
132	Selective quantification of trace palladium in road dusts and roadside soils by displacement solid-phase extraction online coupled with electrothermal atomic absorption spectrometry. <i>Environmental Science & Technology</i> , 2005 , 39, 288-92	10.3	35
131	On-line coupling flow injection microcolumn separation and preconcentration to electrothermal atomic absorption spectrometry for determination of (ultra)trace selenite and selenate in water. <i>Analytical Chemistry</i> , 1999 , 71, 4353-60	7.8	35
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128	Application of Metal-Organic Frameworks in Sample Pretreatment. <i>Chinese Journal of Analytical Chemistry</i> , 2013 , 41, 1297-1300	1.6	33
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126	Speciation analysis of inorganic arsenic by microchip capillary electrophoresis coupled with hydride generation atomic fluorescence spectrometry. <i>Journal of Chromatography A</i> , 2005 , 1081, 232-7	4.5	33
125	Application of a macrocycle immobilized silica gel sorbent to flow injection on-line microcolumn preconcentration and separation coupled with flame atomic absorption spectrometry for interference-free determination of trace lead in biological and environmental samples. <i>Analytical Chemistry</i> , 1999 , 71, 4216-22	7.8	33
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123	A flow injection on-line multiplexed sorption preconcentration procedure coupled with flame atomic absorption spectrometry for determination of trace lead in water, tea, and herb medicines. <i>Analytical Chemistry</i> , 2002 , 74, 1075-80	7.8	32
122	Zeolitic imidazolate framework nanocrystals for enrichment and direct detection of environmental pollutants by negative ion surface-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>RSC Advances</i> , 2016 , 6, 23790-23793	3.7	31
121	Facile fabrication of chiral hybrid organic-inorganic nanomaterial with large optical activity for selective and sensitive detection of trace Hg ²⁺ . <i>Chemical Communications</i> , 2010 , 46, 4396-8	5.8	31
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119	Minimization of mass interferences in quadrupole inductively coupled plasma mass spectrometric (ICP-MS) determination of palladium using a flow injection on-line displacement solid-phase extraction protocol. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006 , 61, 864-869	3.1	30
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117	On-line hyphenation of flow injection, miniaturized capillary electrophoresis and atomic fluorescence spectrometry for high-throughput speciation analysis. <i>Journal of Chromatography A</i> , 2006 , 1117, 246-9	4.5	30

116	A flow injection online micelle-mediated preconcentration and separation procedure without phase separation coupled with electrothermal atomic absorption spectrometry for determination of trace lead in biological samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2003 , 18, 946	3.7	30
115	On-line hyphenation of capillary electrophoresis with flame-heated furnace atomic absorption spectrometry for trace mercury speciation. <i>Electrophoresis</i> , 2005 , 26, 661-7	3.6	30
114	Fabrication and bioconjugation of B and Cr co-doped ZnGaO persistent luminescent nanoparticles for dual-targeted cancer bioimaging. <i>Nanoscale</i> , 2016 , 8, 18987-18994	7.7	29
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98	Facile synthesis of hydroxyl enriched microporous organic networks for enhanced adsorption and removal of tetrabromobisphenol A from aqueous solution. <i>Chemical Engineering Journal</i> , 2019 , 373, 606-615	14.7	24
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75	Chiral metal-organic framework coated quartz crystal microbalance for chiral discrimination. <i>RSC Advances</i> , 2015 , 5, 30577-30582	3.7	18
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25	Thiolene-click synthesis of chiral covalent organic frameworks for gas chromatography. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 21151-21157	13	4
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20	An Insight into Peak-Splitting Phenomenon in On-Column Concentration-Micellar Electrokinetic Capillary Chromatography for Aqueous Sample Solution. <i>Analytical Letters</i> , 2005 , 38, 1975-1985	2.2	2
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18	Dual-Emissive Persistent Luminescence Nanoparticle-Based Charge-Reversible Intelligent Nanoprobe for Persistent Luminescence-Ratio Bioimaging along with Chemo-Photothermal Synergic Therapy. <i>Analytical Chemistry</i> , 2021 , 93, 7348-7354	7.8	2
17	A dual-colored persistent luminescence nanosensor for simultaneous and autofluorescence-free determination of aflatoxin B and zearalenone. <i>Talanta</i> , 2021 , 232, 122395	6.2	2
16	Fabrication of G-quadruplex/porphyrin conjugated gold/persistent luminescence theranostic nanoprobe for imaging-guided photodynamic therapy. <i>Talanta</i> , 2021 , 233, 122567	6.2	2
15	Metal-Organic Frameworks: Application to Analytical Chemistry 2014 , 1-14		1
14	Discrimination of Analytes with Fluorescent Molecular Imprinting Sensor Arrays 2012 , 161-173		1
13	Three-Dimensional Nanoporous Covalent Organic Framework-Incorporated Monolithic Columns for High-Performance Liquid Chromatography. <i>ACS Applied Nano Materials</i> , 2021 , 4, 5437-5443	5.6	1
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11	Chiral covalent organic framework-monolith as stationary phase for high-performance liquid chromatographic enantioseparation of selected amino acids. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1	4.4	1
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