

# Luis F Capitán-Vallvey

## List of Publications by Year in descending order

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292  
papers

7,587  
citations

70961

41  
h-index

95083

68  
g-index

297  
all docs

297  
docs citations

297  
times ranked

7425  
citing authors

#	ARTICLE	IF	CITATIONS
1	Smartphone-Based Simultaneous pH and Nitrite Colorimetric Determination for Paper Microfluidic Devices. <i>Analytical Chemistry</i> , 2014, 86, 9554-9562.	3.2	348
2	Carbon dots for copper detection with down and upconversion fluorescent properties as excitation sources. <i>Chemical Communications</i> , 2013, 49, 1103.	2.2	261
3	Recent developments in computer vision-based analytical chemistry: A tutorial review. <i>Analytica Chimica Acta</i> , 2015, 899, 23-56.	2.6	220
4	Use of the Hue Parameter of the Hue, Saturation, Value Color Space As a Quantitative Analytical Parameter for Bitonal Optical Sensors. <i>Analytical Chemistry</i> , 2010, 82, 531-542.	3.2	209
5	Mobile phone platform as portable chemical analyzer. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 350-359.	4.0	145
6	Determination of hypochlorite in water using a chemiluminescent test strip. <i>Analytica Chimica Acta</i> , 2004, 522, 267-273.	2.6	141
7	Convenient Methods for the Synthesis of Ferrocene- $\alpha$ -Carbohydrate Conjugates. <i>Organic Letters</i> , 2004, 6, 3687-3690.	2.4	130
8	Recent developments in handheld and portable optosensing- $\alpha$ A review. <i>Analytica Chimica Acta</i> , 2011, 696, 27-46.	2.6	127
9	Design and characterization of a low thermal drift capacitive humidity sensor by inkjet-printing. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 123-131.	4.0	118
10	Properties and Printability of Inkjet and Screen-Printed Silver Patterns for RFID Antennas. <i>Journal of Electronic Materials</i> , 2014, 43, 604-617.	1.0	117
11	Using the mobile phone as Munsell soil-colour sensor: An experiment under controlled illumination conditions. <i>Computers and Electronics in Agriculture</i> , 2013, 99, 200-208.	3.7	113
12	Simultaneous determination of antioxidants, preservatives and sweetener additives in food and cosmetics by flow injection analysis coupled to a monolithic column. <i>Analytica Chimica Acta</i> , 2007, 594, 226-233.	2.6	87
13	Microsystem-assisted synthesis of carbon dots with fluorescent and colorimetric properties for pH detection. <i>Nanoscale</i> , 2014, 6, 6018-6024.	2.8	81
14	Fast prototyping of paper-based microfluidic devices by contact stamping using indelible ink. <i>RSC Advances</i> , 2013, 3, 18811.	1.7	80
15	Disposable electrochemiluminescent biosensor for lactate determination in saliva. <i>Analyst, The</i> , 2009, 134, 1423.	1.7	78
16	Microfluidic paper-based device for colorimetric determination of glucose based on a metal-organic framework acting as peroxidase mimetic. <i>Mikrochimica Acta</i> , 2018, 185, 47.	2.5	77
17	Screen Printed Flexible Radiofrequency Identification Tag for Oxygen Monitoring. <i>Analytical Chemistry</i> , 2013, 85, 11098-11105.	3.2	76
18	Smart facemask for wireless CO <sub>2</sub> monitoring. <i>Nature Communications</i> , 2022, 13, 72.	5.8	73

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19	A General Perspective of the Characterization and Quantification of Nanoparticles: Imaging, Spectroscopic, and Separation Techniques. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2014, 39, 423-458.	6.8	72
20	Ferrocene- $\alpha$ -Carbohydrate Conjugates as Electrochemical Probes for Molecular Recognition Studies. <i>Chemistry - A European Journal</i> , 2009, 15, 710-725.	1.7	70
21	A novel electrode structure compared with interdigitated electrodes as capacitive sensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 552-560.	4.0	68
22	Printed electrodes structures as capacitive humidity sensors: A comparison. <i>Sensors and Actuators A: Physical</i> , 2016, 244, 56-65.	2.0	68
23	A 3D $\mu$ PAD based on a multi-enzyme organic-inorganic hybrid nanoflower reactor. <i>Biosensors and Bioelectronics</i> , 2016, 77, 51-55.	5.3	68
24	Heavy metal concentrations in the general population of Andalusia, South of Spain. <i>Science of the Total Environment</i> , 2006, 372, 49-57.	3.9	63
25	Solid-phase spectrophotometric determination of trace amounts of hydrazine at sub-ng mL <sup>-1</sup> level. <i>Analytica Chimica Acta</i> , 1997, 353, 115-122.	2.6	62
26	Full-range optical pH sensor based on imaging techniques. <i>Analytica Chimica Acta</i> , 2010, 681, 71-81.	2.6	60
27	Passive UHF RFID Tag with Multiple Sensing Capabilities. <i>Sensors</i> , 2015, 15, 26769-26782.	2.1	57
28	Surface Modified Thread-Based Microfluidic Analytical Device for Selective Potassium Analysis. <i>Analytical Chemistry</i> , 2016, 88, 5331-5337.	3.2	56
29	Solid-phase ultraviolet absorbance spectrophotometric multisensor for the simultaneous determination of butylated hydroxytoluene and co-existing antioxidants. <i>Analytica Chimica Acta</i> , 2004, 503, 179-186.	2.6	54
30	Determination of colorant matters mixtures in foods by solid-phase spectrophotometry. <i>Analytica Chimica Acta</i> , 1996, 331, 141-148.	2.6	51
31	Application of Liquid Chromatography to the Simultaneous Determination of Acetylsalicylic Acid, Caffeine, Codeine, Paracetamol, Pyridoxine, and Thiamine in Pharmaceutical Preparations. <i>Journal of AOAC INTERNATIONAL</i> , 2001, 84, 676-683.	0.7	51
32	Flow injection analysis of the insecticide imidacloprid in water samples with photochemically induced fluorescence detection. <i>Analytica Chimica Acta</i> , 2001, 439, 299-305.	2.6	50
33	Analysis of parabens in cosmetics by low pressure liquid chromatography with monolithic column and chemiluminescent detection. <i>Talanta</i> , 2009, 79, 499-506.	2.9	48
34	Full-range optical pH sensor array based on neural networks. <i>Microchemical Journal</i> , 2011, 97, 225-233.	2.3	47
35	Determination of thiabendazole residues in waters by solid-phase spectrofluorometry. <i>Analytical Chemistry</i> , 1993, 65, 1336-1339.	3.2	46
36	A new light emitting diode-light emitting diode portable carbon dioxide gas sensor based on an interchangeable membrane system for industrial applications. <i>Analytica Chimica Acta</i> , 2011, 699, 216-222.	2.6	46

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37	HF RFID Tag as Humidity Sensor: Two Different Approaches. <i>IEEE Sensors Journal</i> , 2015, 15, 5726-5733.	2.4	45
38	Simultaneous determination of aluminium and beryllium by first-derivative synchronous solid-phase spectrofluorimetry. <i>Talanta</i> , 1992, 39, 21-27.	2.9	44
39	Design and Development of Sensing RFID Tags on Flexible Foil Compatible With EPC Gen 2. <i>IEEE Sensors Journal</i> , 2014, 14, 4361-4371.	2.4	44
40	Determination of five nitroimidazoles in water by liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2002, 978, 243-248.	1.8	42
41	Study of the GC-MS determination of the palmitic-stearic acid ratio for the characterisation of drying oil in painting: La Encarnación by Alonso Cano as a case study. <i>Talanta</i> , 2011, 84, 1148-1154.	2.9	42
42	Determination of O <sub>2</sub> using colour sensing from image processing with mobile devices. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 938-945.	4.0	42
43	Simultaneous determination of the colorants tartrazine, ponceau 4R and sunset yellow FCF in foodstuffs by solid phase spectrophotometry using partial least squares multivariate calibration. <i>Talanta</i> , 1998, 47, 861-868.	2.9	41
44	Characterisation of a transparent optical test strip for quantification of water hardness. <i>Analytica Chimica Acta</i> , 2003, 481, 139-148.	2.6	41
45	Simultaneous determination of molybdenum and tungsten by first-derivative synchronous solid-phase spectrofluorimetry. <i>Analytica Chimica Acta</i> , 1992, 259, 345-353.	2.6	40
46	Fluorescence resonance energy transfer disposable sensor for copper(II). <i>Analytica Chimica Acta</i> , 2006, 555, 299-307.	2.6	40
47	Tetrazine-based chemistry for nitrite determination in a paper microfluidic device. <i>Talanta</i> , 2016, 160, 721-728.	2.9	40
48	Disposable biosensor based on cathodic electrochemiluminescence of tris(2,2-bipyridine)ruthenium(II) for uric acid determination. <i>Analytica Chimica Acta</i> , 2013, 770, 153-160.	2.6	39
49	Real time monitoring of glucose in whole blood by smartphone. <i>Biosensors and Bioelectronics</i> , 2019, 136, 47-52.	5.3	39
50	Flow-injection method for the determination of tin in fruit juices using solid-phase spectrophotometry. <i>Analytica Chimica Acta</i> , 1994, 289, 365-370.	2.6	38
51	Environmental monitoring using a conventional photographic digital camera for multianalyte disposable optical sensors. <i>Analytica Chimica Acta</i> , 2011, 706, 328-337.	2.6	38
52	Determination of beryllium in water by ion-exchange spectrofluorimetry. <i>Analyst</i> , 1989, 114, 969-973.	1.7	37
53	Sensor array-based optical portable instrument for determination of pH. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 840-848.	4.0	36
54	Printed Disposable Colorimetric Array for Metal Ion Discrimination. <i>Analytical Chemistry</i> , 2014, 86, 8634-8641.	3.2	36

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55	General-purpose passive wireless point-of-care platform based on smartphone. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111360.	5.3	36
56	Preliminary study of UV ageing process of proteinaceous paint binder by FT-IR and principal component analysis. <i>Talanta</i> , 2009, 77, 1724-1731.	2.9	35
57	Electrochemiluminescent disposable cholesterol biosensor based on avidin-biotin assembling with the electroformed luminescent conducting polymer poly(luminol-biotinylated pyrrole). <i>Analytica Chimica Acta</i> , 2012, 754, 91-98.	2.6	35
58	A printed capacitive-resistive double sensor for toluene and moisture sensing. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 542-549.	4.0	35
59	Resolution of mixtures of three nonsteroidal anti-inflammatory drugs by fluorescence using partial least squares multivariate calibration with previous wavelength selection by Kohonen artificial neural networks. <i>Talanta</i> , 2000, 52, 1069-1079.	2.9	33
60	Printed single-chip UHF passive radio frequency identification tags with sensing capability. <i>Sensors and Actuators A: Physical</i> , 2014, 220, 281-289.	2.0	33
61	Thermochromic sensor design based on Fe(II) spin crossover/polymers hybrid materials and artificial neural networks as a tool in modelling. <i>Sensors and Actuators B: Chemical</i> , 2015, 208, 180-187.	4.0	33
62	Monoparameter sensors for the determination of the antioxidants butylated hydroxyanisole and n-propyl gallate in foods and cosmetics by flow injection spectrophotometry. <i>Analyst</i> , The, 2001, 126, 897-902.	1.7	31
63	A Portable Luminometer with a Disposable Electrochemiluminescent Biosensor for Lactate Determination. <i>Sensors</i> , 2009, 9, 7694-7710.	2.1	31
64	Photographing the synergy between magnetic and colour properties in spin crossover material $[\text{Fe}(\text{NH}_2)_2(\text{trz})_3](\text{BF}_4)_2$ : a temperature sensor perspective. <i>Chemical Communications</i> , 2013, 49, 288-290.	2.2	31
65	Water based-ionic liquid carbon dioxide sensor for applications in the food industry. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 302-309.	4.0	31
66	Simultaneous Determination of the Colorants Sunset Yellow FCF and Quinoline Yellow by Solid-phase Spectrophotometry Using Partial Least Squares Multivariate Calibration. <i>Analyst</i> , The, 1997, 122, 351-354.	1.7	30
67	Solid-phase UV spectroscopic multisensor for the simultaneous determination of caffeine, dimenhydrinate and acetaminophen by using partial least squares multicalibration. <i>Talanta</i> , 1999, 49, 691-701.	2.9	30
68	Resolution of an intense sweetener mixture by use of a flow injection sensor with on-line solid-phase extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 385-391.	1.9	30
69	Liquid Chromatography-Mass Spectrometry Determination of Six 5-Nitroimidazoles in Animal Feedstuff. <i>Chromatographia</i> , 2007, 65, 283-290.	0.7	30
70	Phosphorescent sensing of carbon dioxide based on secondary inner-filter quenching. <i>Analytica Chimica Acta</i> , 2009, 655, 66-74.	2.6	30
71	An IUPAC-based approach to estimate the detection limit in co-extraction-based optical sensors for anions with sigmoidal response calibration curves. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 2881-2889.	1.9	30
72	An LTCC monolithic microreactor for the synthesis of carbon dots with photoluminescence imaging of the reaction progress. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126613.	4.0	30

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73	Wireless wearable wristband for continuous sweat pH monitoring. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128948.	4.0	30
74	Comparison between traditional strategies and classification technique (SIMCA) in the identification of old proteinaceous binders. <i>Talanta</i> , 2008, 75, 697-704.	2.9	29
75	Particle tuning and modulation of the magnetic/colour synergy in Fe( <i>spin</i> ) spin crossover-polymer nanocomposites in a thermochromic sensor array. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7292-7303.	2.7	29
76	Development and use of specific ELISA methods for quantifying the biological activity of bevacizumab, cetuximab and trastuzumab in stability studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1032, 155-164.	1.2	29
77	Determination of polycyclic aromatic hydrocarbon residues in water by synchronous solid-phase spectrofluorimetry. <i>Analyst</i> , 1994, 119, 1211-1214.	1.7	28
78	Chemiluminescence determination of sodium 2-mercaptoethane sulfonate by flow injection analysis using cerium(IV) sensitized by quinine. <i>Talanta</i> , 2000, 51, 1155-1161.	2.9	28
79	Irreversible optical sensor for mercury determination based on tetraarylborate decomposition. <i>Sensors and Actuators B: Chemical</i> , 2006, 117, 135-142.	4.0	28
80	Oxygen-sensing film coated photodetectors for portable instrumentation. <i>Analytica Chimica Acta</i> , 2007, 583, 166-173.	2.6	28
81	Inkjet-printed disposable metal complexing indicator-displacement assay for sulphide determination in water. <i>Analytica Chimica Acta</i> , 2015, 872, 55-62.	2.6	28
82	Passive UHF RFID Tag for Multispectral Assessment. <i>Sensors</i> , 2016, 16, 1085.	2.1	28
83	Bioactive microfluidic paper device for pesticide determination in waters. <i>Talanta</i> , 2020, 218, 121108.	2.9	28
84	Revisitation of the phenylisothiocyanate derivatives procedure for amino acid determination by HPLC-UV. <i>Journal of Separation Science</i> , 2008, 31, 3817-3828.	1.3	27
85	Characterization of disposable optical sensors for heavy metal determination. <i>Talanta</i> , 2012, 94, 123-132.	2.9	27
86	Discrimination of aged mixtures of lipidic paint binders by Raman spectroscopy and chemometrics. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 781-786.	1.2	27
87	Ionophore-Based Optical Sensor for Urine Creatinine Determination. <i>ACS Sensors</i> , 2019, 4, 421-426.	4.0	27
88	Irreversible optical test strip for mercury determination based on neutral ionophore. <i>Analytica Chimica Acta</i> , 2004, 524, 365-372.	2.6	26
89	Magnesium optical one-shot sensor based on a coumarin chromoionophore. <i>Talanta</i> , 2006, 68, 1663-1670.	2.9	26
90	Feasibility of the use of disposable optical tongue based on neural networks for heavy metal identification and determination. <i>Analytica Chimica Acta</i> , 2013, 783, 56-64.	2.6	26

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91	Disposable electrochromic polyaniline sensor based on a redox response using a conventional camera: A first approach to handheld analysis. <i>Journal of Electroanalytical Chemistry</i> , 2015, 738, 162-169.	1.9	26
92	Microcontroller-based portable instrument for stabilised optical oxygen sensor. <i>Sensors and Actuators B: Chemical</i> , 2007, 121, 629-638.	4.0	25
93	Scanometric potassium determination with ionophore-based disposable sensors. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 694-701.	4.0	25
94	One-shot lactate chemiluminescent biosensor. <i>Analytica Chimica Acta</i> , 2008, 629, 136-144.	2.6	25
95	The Effects of Light-Accelerated Degradation on the Aggregation of Marketed Therapeutic Monoclonal Antibodies Evaluated by Size-Exclusion Chromatography With Diode Array Detection. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 1405-1418.	1.6	25
96	Evaluation of a reconfigurable portable instrument for copper determination based on luminescent carbon dots. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3013-3020.	1.9	25
97	Solid-phase spectrophotometric determination of trace amounts of vanadium at sub-ng/ml level with 4-(2-pyridylazo)resorcinol. <i>Talanta</i> , 1995, 42, 1057-1065.	2.9	24
98	Determination of protein content using a solid phase spectrophotometric procedure. <i>Analytica Chimica Acta</i> , 2001, 433, 155-163.	2.6	24
99	Optical test strip for calcium determination based on a neutral ionophore. <i>Analytica Chimica Acta</i> , 2002, 451, 231-241.	2.6	24
100	Disposable Receptor-Based Optical Sensor for Nitrate. <i>Analytical Chemistry</i> , 2005, 77, 4459-4466.	3.2	24
101	Disposable luminol copolymer-based biosensor for uric acid in urine. <i>Analytica Chimica Acta</i> , 2011, 702, 254-261.	2.6	24
102	SPE biosensor for cholesterol in serum samples based on electrochemiluminescent luminol copolymer. <i>Talanta</i> , 2011, 86, 178-185.	2.9	24
103	Determination of trace amounts of aluminium in natural waters by solid-phase spectrofluorimetry. <i>Analyst</i> , 1993, 118, 303-307.	1.7	23
104	Parabens determination with a hybrid FIA/HPLC system with ultra-short monolithic column. <i>Journal of Analytical Chemistry</i> , 2010, 65, 188-194.	0.4	23
105	Smartphone based meat freshness detection. <i>Talanta</i> , 2020, 216, 120985.	2.9	23
106	Determination of submicrogram amounts of gallium by ion-exchanger fluorimetry Determination of gallium in natural waters. <i>Talanta</i> , 1990, 37, 193-199.	2.9	22
107	Determination of traces of aluminium with chrome azurol S by solid-phase spectrophotometry. <i>Talanta</i> , 1993, 40, 1059-1066.	2.9	22
108	Determination of the antibiotic zinc bacitracin in animal food by high-performance liquid chromatography with ultraviolet detection. <i>Chromatographia</i> , 2001, 54, 15-20.	0.7	22

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109	A disposable single-use optical sensor for potassium determination based on neutral ionophore. <i>Sensors and Actuators B: Chemical</i> , 2003, 88, 217-222.	4.0	22
110	Multi-ion detection by one-shot optical sensors using a colour digital photographic camera. <i>Analyst, The</i> , 2011, 136, 3917.	1.7	22
111	Optical humidity sensor using methylene blue immobilized on a hydrophilic polymer. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 528-533.	4.0	22
112	Determination of Trace Amounts of Cobalt at sub- $1/4\text{g l}^{-1}$ Level by Solid Phase Spectrophotometry. <i>Analytical Letters</i> , 1992, 25, 1961-1980.	1.0	21
113	High-performance liquid chromatography determination of Zn-bacitracin in animal feed by post-column derivatization and fluorescence detection. <i>Journal of Chromatography A</i> , 2002, 943, 227-234.	1.8	21
114	Multianalyte imaging in one-shot format sensors for natural waters. <i>Analytica Chimica Acta</i> , 2009, 636, 210-217.	2.6	21
115	Determination of Trace Aluminum in Natural Waters by Ion Exchanger Fluorometry. <i>Analytical Sciences</i> , 1989, 5, 549-555.	0.8	20
116	Determination of Traces of Vanadium with 5-Bomosalicylhydroxamic Acid by Solid-Phase Spectrophotometry. <i>Analytical Letters</i> , 1991, 24, 2245-2261.	1.0	20
117	Determination of calcium by a single-use optical sensor. <i>Sensors and Actuators B: Chemical</i> , 2000, 71, 140-146.	4.0	20
118	Improved Multianalyte Determination of the Intense Sweeteners Aspartame and Acesulfame K with a Solid Sensing Zone Implemented in an FIA Scheme. <i>Analytical Letters</i> , 2006, 39, 1333-1347.	1.0	20
119	Determination of Tramadol, Metamizole, Ropivacaine, and Bupivacaine in Analgesic Mixture Samples by HPLC with DAD Detection. <i>Journal of Chromatographic Science</i> , 2009, 47, 231-237.	0.7	20
120	Compact optical instrument for simultaneous determination of oxygen and carbon dioxide. <i>Mikrochimica Acta</i> , 2011, 172, 455-464.	2.5	20
121	LED-LED portable oxygen gas sensor. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 2851-2858.	1.9	20
122	Highly stable luminescent europium-doped calcium phosphate nanoparticles for creatinine quantification. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 196, 111337.	2.5	20
123	Determination of trace amounts of tungsten with carminic acid by ion-exchange spectrofluorimetry. <i>Analyst, The</i> , 1990, 115, 849-854.	1.7	19
124	Simultaneous determination of tartrazine and sunset yellow in cosmetic products by first-derivative spectrophotometry. <i>Mikrochimica Acta</i> , 1997, 126, 153-157.	2.5	19
125	Simple Resolution of Butylated Hydroxyanisole and n-Propyl Gallate in Fatty Foods and Cosmetics Samples by Flow-Injection Solid-Phase Spectrophotometry. <i>Journal of Food Science</i> , 2003, 68, 1595-1599.	1.5	19
126	Development of a One-Shot Optical Citrate Sensor Based on a Guanidinium Synthetic Receptor. <i>Mikrochimica Acta</i> , 2005, 151, 93-100.	2.5	19



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127	Portable reconfigurable instrument for analytical determinations using disposable electrochemiluminescent screen-printed electrodes. <i>Sensors and Actuators B: Chemical</i> , 2012, 169, 46-53.	4.0	19
128	Use of digital reflection devices for measurement using hue-based optical sensors. <i>Sensors and Actuators B: Chemical</i> , 2012, 174, 10-17.	4.0	19
129	First-derivative solid-phase spectrophotometric determination of molybdenum at the ng ml level. <i>Talanta</i> , 1996, 43, 185-191.	2.9	18
130	Simultaneous determination of quinoline yellow and brilliant blue FCF in cosmetics by solid-phase spectrophotometry. <i>Talanta</i> , 1996, 43, 1457-1463.	2.9	18
131	Rapid Ultraviolet Spectrophotometric and Liquid Chromatographic Methods for the Determination of Natamycin in Lactoserum Matrix. <i>Journal of AOAC INTERNATIONAL</i> , 2000, 83, 802-808.	0.7	18
132	Hand-held optical instrument for CO <sub>2</sub> in gas phase based on sensing film coating optoelectronic elements. <i>Sensors and Actuators B: Chemical</i> , 2010, 144, 232-238.	4.0	18
133	Monitoring of degradation of porous silicon photonic crystals using digital photography. <i>Nanoscale Research Letters</i> , 2014, 9, 410.	3.1	18
134	Comparison of Fabrication Techniques for Flexible UHF RFID Tag Antennas [Wireless Corner]. <i>IEEE Antennas and Propagation Magazine</i> , 2017, 59, 159-168.	1.2	18
135	In situ synthesis of fluorescent silicon nanodots for determination of total carbohydrates in a paper microfluidic device combined with laser prepared graphene heater. <i>Sensors and Actuators B: Chemical</i> , 2021, 332, 129506.	4.0	18
136	Simultaneous determination of molybdenum and tungsten by first-derivative synchronous spectrofluorimetry. <i>Analyst</i> , 1989, 114, 1297-1301.	1.7	17
137	Close overlapping discrimination of polycyclic aromatic hydrocarbons by synchronous scanning at variable-angle solid-phase spectrofluorimetry. <i>Analytica Chimica Acta</i> , 1995, 302, 193-200.	2.6	17
138	Single-use optical sensor for the determination of iron in water and white wines. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 369, 139-144.	1.5	17
139	Thread based microfluidic platform for urinary creatinine analysis. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127407.	4.0	17
140	A vinyl sulfone clicked carbon dot-engineered microfluidic paper-based analytical device for fluorometric determination of biothiols. <i>Mikrochimica Acta</i> , 2020, 187, 421.	2.5	17
141	Simultaneous Determination of Colorant Mixtures Used in Cosmetics by Partial Least-Squares Multivariate Calibration Spectrophotometry.. <i>Analytical Sciences</i> , 1997, 13, 493-496.	0.8	16
142	Determination of carbaryl in foods by solid-phase room-temperature phosphorimetry. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 362, 307-312.	1.5	16
143	Flow-through spectrophotometric sensor for the determination of saccharin in low-calorie products. <i>Food Additives and Contaminants</i> , 2004, 21, 32-41.	2.0	16
144	A simplified measurement procedure and portable electronic photometer for disposable sensors based on ionophore-chromoionophore chemistry for potassium determination. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 1215-1224.	1.9	16

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145	Improved manufacturing process for printed cantilevers by using water removable sacrificial substrate. <i>Sensors and Actuators A: Physical</i> , 2015, 235, 171-181.	2.0	16
146	Determination of morestan residues in waters by solid-phase spectrofluorimetry. <i>Analytica Chimica Acta</i> , 1993, 282, 445-449.	2.6	15
147	Simultaneous determination of benomyl and morestan residues in waters by synchronous solid-phase spectrofluorimetry. <i>Journal of Fluorescence</i> , 1995, 5, 225-229.	1.3	15
148	Flow injection analysis with in-line solid phase extraction for the spectrophotometric determination of sulfonated and unsulfonated Quinoline Yellow in Cologne. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 367, 672-676.	1.5	15
149	SPECTROFLUORIMETRIC DETERMINATION OF ACETYLSALICYLIC ACID AND CODEINE MIXTURES IN PHARMACEUTICALS. <i>Analytical Letters</i> , 2001, 34, 579-595.	1.0	15
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