

Luis F Capitan-Vallvey

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

293
papers

6,093
citations

37
h-index

60
g-index

297
ext. papers

6,761
ext. citations

5.1
avg, IF

5.79
L-index

#	Paper	IF	Citations
293	Reversal of a Fluorescent Fluoride Chemosensor from Turn-Off to Turn-On Based on Aggregation Induced Emission Properties.. <i>ACS Sensors</i> , 2022 ,	9.2	3
292	Smart facemask for wireless CO monitoring.. <i>Nature Communications</i> , 2022 , 13, 72	17.4	14
291	Capillary microfluidic platform for sulfite determination in wines. <i>Sensors and Actuators B: Chemical</i> , 2022 , 359, 131549	8.5	0
290	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	8.5	5
289	Microanalysis based on paper device functionalized with cuprizone to determine Cu in sugar cane spirits using a smartphone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 253, 119580	4.4	3
288	Wireless wearable wristband for continuous sweat pH monitoring. <i>Sensors and Actuators B: Chemical</i> , 2021 , 327, 128948	8.5	11
287	Non-Invasive and Spectroscopic Techniques for the Study of Alonso Cano's Visitation from the Golden Age of Spain. <i>Studies in Conservation</i> , 2021 , 66, 298-312	0.6	0
286	Synthesis of a thermoresponsive crosslinked MEOMA polymer coating on microclusters of iron oxide nanoparticles. <i>Scientific Reports</i> , 2021 , 11, 3947	4.9	3
285	Near Infrared Sensor to Determine Carbon Dioxide Gas Based on Ionic Liquid. <i>Coatings</i> , 2021 , 11, 163	2.9	
284	Inkjet-printed O ₂ gas sensors in intelligent packaging. <i>Analyst, The</i> , 2021 , 146, 3177-3184	5	2
283	Carbon Dots as Sensing Layer for Printed Humidity and Temperature Sensors. <i>Nanomaterials</i> , 2020 , 10,	5.4	3
282	Highly stable luminescent europium-doped calcium phosphate nanoparticles for creatinine quantification. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 196, 111337	6	9
281	A perfect tandem: chemometric methods and microfluidic colorimetric twin sensors on paper. Beyond the traditional analytical approach. <i>Microchemical Journal</i> , 2020 , 157, 104930	4.8	1
280	Portable Instrument for Hemoglobin Determination Using Room-Temperature Phosphorescent Carbon Dots. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
279	Bioactive microfluidic paper device for pesticide determination in waters. <i>Talanta</i> , 2020 , 218, 121108	6.2	8
278	Chitosan-modified cotton thread for the preconcentration and colorimetric trace determination of Co(II). <i>Microchemical Journal</i> , 2020 , 158, 105137	4.8	7
277	A vinyl sulfone clicked carbon dot-engineered microfluidic paper-based analytical device for fluorometric determination of biothiols. <i>Mikrochimica Acta</i> , 2020 , 187, 421	5.8	11

276	Smartphone based meat freshness detection. <i>Talanta</i> , 2020 , 216, 120985	6.2	12
275	Carbon dots-inspired fluorescent cyclodextrins: competitive supramolecular "off-on" (bio)sensors. <i>Nanoscale</i> , 2020 , 12, 9178-9185	7.7	4
274	Platina in the 18th century: mineralogy of the crude concentrate used in the first modern attempts at refining platinum. <i>Mineralogical Magazine</i> , 2020 , 84, 289-299	1.7	1
273	Thread based microfluidic platform for urinary creatinine analysis. <i>Sensors and Actuators B: Chemical</i> , 2020 , 305, 127407	8.5	10
272	Optical portable instrument for the determination of CO in indoor environments. <i>Talanta</i> , 2020 , 208, 120387	6.2	8
271	The effect of bending on laser-cut electro-textile inductors and capacitors attached on denim as wearable structures. <i>Textile Reseach Journal</i> , 2020 , 90, 2355-2366	1.7	1
270	Ionophore-Based Optical Sensor for Urine Creatinine Determination. <i>ACS Sensors</i> , 2019 , 4, 421-426	9.2	17
269	General-purpose passive wireless point-of-care platform based on smartphone. <i>Biosensors and Bioelectronics</i> , 2019 , 141, 111360	11.8	21
268	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	8.5	16
267	NIR optical carbon dioxide gas sensor based on simple azaBODIPY pH indicators. <i>Analyst, The</i> , 2019 , 144, 3870-3877	5	6
266	Real time monitoring of glucose in whole blood by smartphone. <i>Biosensors and Bioelectronics</i> , 2019 , 136, 47-52	11.8	25
265	Acid anhydride coated carbon nanodots: activated platforms for engineering clicked (bio)nanoconstructs. <i>Nanoscale</i> , 2019 , 11, 7850-7856	7.7	5
264	Fully 3D-Printed RFID Tags based on Printable Metallic Filament: Performance Comparison with other Fabrication Techniques 2019 ,		8
263	Carbon Dioxide Sensors for Food Packaging 2019 ,		
262	Smartphone-Based Diagnosis of Parasitic Infections With Colorimetric Assays in Centrifuge Tubes. <i>IEEE Access</i> , 2019 , 7, 185677-185686	3.5	7
261	Comparative Study of Inkjet-Printed Silver Conductive Traces With Thermal and Electrical Sintering. <i>IEEE Access</i> , 2019 , 7, 1909-1919	3.5	4
260	Luminescence Solid Phase 2018 , 281-281		
259	Towards an autonomous microfluidic sensor for dissolved carbon dioxide determination. <i>Microchemical Journal</i> , 2018 , 139, 216-221	4.8	3

258	Asymmetric enhanced surface interdigitated electrode capacitor with two out-of-plane electrodes. <i>Sensors and Actuators B: Chemical</i> , 2018 , 254, 588-596	8.5	9
257	Ionic liquids on optical sensors for gaseous carbon dioxide. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 5931-5939	4.4	7
256	Compact readout system for chipless passive LC tags and its application for humidity monitoring. <i>Sensors and Actuators A: Physical</i> , 2018 , 280, 287-294	3.9	11
255	Water based-ionic liquid carbon dioxide sensor for applications in the food industry. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 302-309	8.5	23
254	Coupling Sensing and Imaging Devices: Towards a Complete Handheld Analytical System. <i>Proceedings (mdpi)</i> , 2017 , 1, 854	0.3	
253	Characterization of an Interdigitated Capacitive Structure With Branches for Relative Humidity Sensing 2017 , 1, 1-4		4
252	Comparison of Fabrication Techniques for Flexible UHF RFID Tag Antennas [Wireless Corner]. <i>IEEE Antennas and Propagation Magazine</i> , 2017 , 59, 159-168	1.7	15
251	Microfluidic paper-based device for colorimetric determination of glucose based on a metal-organic framework acting as peroxidase mimetic. <i>Mikrochimica Acta</i> , 2017 , 185, 47	5.8	53
250	A 3D μ PAD based on a multi-enzyme organic-inorganic hybrid nanoflower reactor. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 51-5	11.8	48
249	Flexible passive tag based on light energy harvesting for gas threshold determination in sealed environments. <i>Sensors and Actuators B: Chemical</i> , 2016 , 236, 226-232	8.5	12
248	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, 1405-18	3.9	15
247	Development of a printed sensor for volatile organic compound detection at μ /L-level. <i>Sensors and Actuators B: Chemical</i> , 2016 , 230, 115-122	8.5	3
246	Evaluation of a reconfigurable portable instrument for copper determination based on luminescent carbon dots. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 3013-20	4.4	18
245	Passive UHF RFID Tag for Multispectral Assessment. <i>Sensors</i> , 2016 , 16,	3.8	19
244	Computer Vision-Based Portable System for Nitroaromatics Discrimination. <i>Journal of Sensors</i> , 2016 , 2016, 1-10	2	2
243	Hybrid Printed Device for Simultaneous Vapors Sensing. <i>IEEE Sensors Journal</i> , 2016 , 1-1	4	3
242	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	3.2	22
241	Surface Modified Thread-Based Microfluidic Analytical Device for Selective Potassium Analysis. <i>Analytical Chemistry</i> , 2016 , 88, 5331-7	7.8	46

240	Printed electrodes structures as capacitive humidity sensors: A comparison. <i>Sensors and Actuators A: Physical</i> , 2016 , 244, 56-65	3.9	50
239	Tetrazine-based chemistry for nitrite determination in a paper microfluidic device. <i>Talanta</i> , 2016 , 160, 721-728	6.2	29
238	Inkjet-printed disposable metal complexing indicator-displacement assay for sulphide determination in water. <i>Analytica Chimica Acta</i> , 2015 , 872, 55-62	6.6	24
237	Portable system for photodiode-based electrochemiluminescence measurement with improved limit of detection. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 956-961	8.5	11
236	Optical humidity sensor using methylene blue immobilized on a hydrophilic polymer. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 528-533	8.5	17
235	Comparative study of printed capacitive sensors 2015 ,		1
234	Fast lifetime and amplitude determination in luminescence exponential decays. <i>Sensors and Actuators B: Chemical</i> , 2015 , 216, 595-602	8.5	10
233	Recent developments in computer vision-based analytical chemistry: A tutorial review. <i>Analytica Chimica Acta</i> , 2015 , 899, 23-56	6.6	147
232	HF RFID Tag as Humidity Sensor: Two Different Approaches. <i>IEEE Sensors Journal</i> , 2015 , 15, 5726-5733	4	37
231	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 ^{4.1}		24
230	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	8.5	30
229	Improved manufacturing process for printed cantilevers by using water removable sacrificial substrate. <i>Sensors and Actuators A: Physical</i> , 2015 , 235, 171-181	3.9	13
228	Passive UHF RFID tag with multiple sensing capabilities. <i>Sensors</i> , 2015 , 15, 26769-82	3.8	49
227	. <i>Journal of Microelectromechanical Systems</i> , 2015 , 24, 880-886	2.5	2
226	A printed capacitive-resistive double sensor for toluene and moisture sensing. <i>Sensors and Actuators B: Chemical</i> , 2015 , 210, 542-549	8.5	31
225	Printed single-chip UHF passive radio frequency identification tags with sensing capability. <i>Sensors and Actuators A: Physical</i> , 2014 , 220, 281-289	3.9	25
224	Particle tuning and modulation of the magnetic/colour synergy in Fe(II) spin crossover-polymer nanocomposites in a thermochromic sensor array. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 7292-7303	7.1	24
223	Microsystem-assisted synthesis of carbon dots with fluorescent and colorimetric properties for pH detection. <i>Nanoscale</i> , 2014 , 6, 6018-24	7.7	61

222	Characterisation and classification of binders used in art materials at the class and the subclass level. <i>Analytical Methods</i> , 2014 , 6, 4009-4021	3.2	3
221	Printed disposable colorimetric array for metal ion discrimination. <i>Analytical Chemistry</i> , 2014 , 86, 8634-47.8	4.8	31
220	Design and Development of Sensing RFID Tags on Flexible Foil Compatible With EPC Gen 2. <i>IEEE Sensors Journal</i> , 2014 , 14, 4361-4371	4	33
219	Monitoring of degradation of porous silicon photonic crystals using digital photography. <i>Nanoscale Research Letters</i> , 2014 , 9, 410	5	14
218	Smartphone-based simultaneous pH and nitrite colorimetric determination for paper microfluidic devices. <i>Analytical Chemistry</i> , 2014 , 86, 9554-62	7.8	288
217	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	8.5	92
216	Properties and Printability of Inkjet and Screen-Printed Silver Patterns for RFID Antennas. <i>Journal of Electronic Materials</i> , 2014 , 43, 604-617	1.9	99
215	A novel electrode structure compared with interdigitated electrodes as capacitive sensor. <i>Sensors and Actuators B: Chemical</i> , 2014 , 204, 552-560	8.5	50
214	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	10.1	59
213	Thermoresponsive Gold Polymer Nanohybrids with a Tunable Cross-Linked MEO2MA Polymer Shell. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 1183-1191	3.1	12
212	Stability of daptomycin 5 mg/mL and heparin sodium 100 units/mL combined in lactated Ringer's injection and stored in polypropylene syringes at 4 and -20°C. <i>American Journal of Health-System Pharmacy</i> , 2014 , 71, 956-9	2.2	2
211	An ionogel composite including copolymer nanowires for disposable electrochemiluminescent sensor configurations. <i>RSC Advances</i> , 2014 , 4, 57235-57244	3.7	4
210	Optical sensor for carbon dioxide gas determination, characterization and improvements. <i>Talanta</i> , 2014 , 126, 196-201	6.2	11
209	Disposable biosensor based on cathodic electrochemiluminescence of tris(2,2-bipyridine)ruthenium(II) for uric acid determination. <i>Analytica Chimica Acta</i> , 2013 , 770, 153-60	6.6	33
208	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	6.6	23
207	Fast prototyping of paper-based microfluidic devices by contact stamping using indelible ink. <i>RSC Advances</i> , 2013 , 3, 18811	3.7	63
206	Carbon dots for copper detection with down and upconversion fluorescent properties as excitation sources. <i>Chemical Communications</i> , 2013 , 49, 1103-5	5.8	226
205	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	6.5	88

204	Photographing the synergy between magnetic and colour properties in spin crossover material [Fe(NH ₂ trz) ₃](BF ₄) ₂ : a temperature sensor perspective. <i>Chemical Communications</i> , 2013 , 49, 288-90	5.8	19
203	Screen printed flexible radiofrequency identification tag for oxygen monitoring. <i>Analytical Chemistry</i> , 2013 , 85, 11098-105	7.8	63
202	Transmission-Mode Scanner for Potassium Determination Using Colorimetric Disposable Sensors. <i>Sensor Letters</i> , 2013 , 11, 368-376	0.9	6
201	LED-LED portable oxygen gas sensor. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 2851-8	4.4	14
200	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, 91-8	6.6	32
199	Portable reconfigurable instrument for analytical determinations using disposable electrochemiluminescent screen-printed electrodes. <i>Sensors and Actuators B: Chemical</i> , 2012 , 169, 46-53	8.5	17
198	Characterization of disposable optical sensors for heavy metal determination. <i>Talanta</i> , 2012 , 94, 123-32	6.2	24
197	Use of digital reflection devices for measurement using hue-based optical sensors. <i>Sensors and Actuators B: Chemical</i> , 2012 , 174, 10-17	8.5	14
196	Determination of O ₂ using colour sensing from image processing with mobile devices. <i>Sensors and Actuators B: Chemical</i> , 2012 , 171-172, 938-945	8.5	38
195	Discrimination of aged mixtures of lipidic paint binders by Raman spectroscopy and chemometrics. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 781-786	2.3	20
194	A compact optical instrument with artificial neural network for pH determination. <i>Sensors</i> , 2012 , 12, 6746-63	3.8	9
193	An Expert System for Full pH Range Prediction Using a Disposable Optical Sensor Array. <i>IEEE Sensors Journal</i> , 2012 , 12, 1197-1206	4	3
192	Multi-ion detection by one-shot optical sensors using a colour digital photographic camera. <i>Analyst, The</i> , 2011 , 136, 3917-26	5	21
191	Handheld colorimeter for determination of heavy metal concentrations. <i>Journal of Physics: Conference Series</i> , 2011 , 307, 012037	0.3	3
190	Disposable luminol copolymer-based biosensor for uric acid in urine. <i>Analytica Chimica Acta</i> , 2011 , 702, 254-61	6.6	22
189	Environmental monitoring using a conventional photographic digital camera for multianalyte disposable optical sensors. <i>Analytica Chimica Acta</i> , 2011 , 706, 328-37	6.6	34
188	Study of the GC-MS determination of the palmitic-stearic acid ratio for the characterisation of drying oil in painting: La Encarnaci3n by Alonso Cano as a case study. <i>Talanta</i> , 2011 , 84, 1148-54	6.2	31
187	SPE biosensor for cholesterol in serum samples based on electrochemiluminescent luminol copolymer. <i>Talanta</i> , 2011 , 86, 178-85	6.2	22

186	Evaluation of analytical reflection scanometry as an analytical tool. <i>Analytical Methods</i> , 2011 , 3, 2644	3.2	6
185	Validated Stability-Indicating HPLC Method for Paricalcitol in Pharmaceutical Dosage Form According to ICH Guidelines: Application to Stability Studies. <i>Journal of AOAC INTERNATIONAL</i> , 2011 , 94, 543-549	1.7	
184	Multisensor probe for soil monitoring. <i>Sensors and Actuators B: Chemical</i> , 2011 , 160, 52-58	8.5	9
183	Compact optical instrument for simultaneous determination of oxygen and carbon dioxide. <i>Mikrochimica Acta</i> , 2011 , 172, 455-464	5.8	18
182	Copolymerization of luminol on screen-printed cells for single-use electrochemiluminescent sensors. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 3041-51	4.4	13
181	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, 2881-9	4.4	22
180	A surface fit approach with a disposable optical tongue for alkaline ion analysis. <i>Analytica Chimica Acta</i> , 2011 , 694, 128-35	6.6	9
179	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, 216-22	6.6	40
178	Analysis of phenolic compounds in health care products by low-pressure liquid-chromatography with monolithic column and chemiluminescent detection. <i>Luminescence</i> , 2011 , 26, 44-53	2.5	14
177	Minimization of sensing elements for full-range optical pH device formulation. <i>New Journal of Chemistry</i> , 2011 , 35, 1042	3.6	5
176	Recent developments in handheld and portable optosensing-a review. <i>Analytica Chimica Acta</i> , 2011 , 696, 27-46	6.6	103
175	Full-range optical pH sensor array based on neural networks. <i>Microchemical Journal</i> , 2011 , 97, 225-233	4.8	40
174	Sensor array-based optical portable instrument for determination of pH. <i>Sensors and Actuators B: Chemical</i> , 2011 , 156, 840-848	8.5	32
173	Disposable optical tongue for alkaline ion analysis. <i>Sensors and Actuators B: Chemical</i> , 2011 , 156, 976-982	8.5	10
172	Mobile phone platform as portable chemical analyzer. <i>Sensors and Actuators B: Chemical</i> , 2011 , 156, 350-359	8.5	115
171	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, 531-42	7.8	169
170	Parabens determination with a hybrid FIA/HPLC system with ultra-short monolithic column. <i>Journal of Analytical Chemistry</i> , 2010 , 65, 188-194	1.1	22
169	Full-range optical pH sensor based on imaging techniques. <i>Analytica Chimica Acta</i> , 2010 , 681, 71-81	6.6	52

168	Hand-held optical instrument for CO ₂ in gas phase based on sensing film coating optoelectronic elements. <i>Sensors and Actuators B: Chemical</i> , 2010 , 144, 232-238	8.5	17
167	Determination of tramadol, metamizole, ropivacaine, and bupivacaine in analgesic mixture samples by HPLC with DAD detection. <i>Journal of Chromatographic Science</i> , 2009 , 47, 231-7	1.4	13
166	A portable luminometer with a disposable electrochemiluminescent biosensor for lactate determination. <i>Sensors</i> , 2009 , 9, 7694-710	3.8	26
165	Simultaneous determination of three antioxidants in foods and cosmetics by flow injection coupled to an ultra-short monolithic column. <i>Journal of Chromatographic Science</i> , 2009 , 47, 485-91	1.4	8
164	Ferrocene-carbohydrate conjugates as electrochemical probes for molecular recognition studies. <i>Chemistry - A European Journal</i> , 2009 , 15, 710-25	4.8	66
163	Analytical Chemistry in Spain: from the enlightenment period to the present age. <i>Mikrochimica Acta</i> , 2009 , 167, 1-20	5.8	
162	Color Measurements in Blue-Tinted Cups for Virgin-Olive-Oil Tasting. <i>JAOCs, Journal of the American Oil Chemists Society</i> , 2009 , 86, 627-636	1.8	7
161	Colourimetric characterisation of disposable optical sensors from spectroradiometric measurements. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 393, 1361-6	4.4	12
160	Multianalyte imaging in one-shot format sensors for natural waters. <i>Analytica Chimica Acta</i> , 2009 , 636, 210-7	6.6	19
159	Phosphorescent sensing of carbon dioxide based on secondary inner-filter quenching. <i>Analytica Chimica Acta</i> , 2009 , 655, 66-74	6.6	29
158	Intense Sweetener Mixture Resolution by Flow Injection Method with On-Line Monolithic Element. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009 , 32, 1152-1168	1.3	13
157	Preliminary study of UV ageing process of proteinaceous paint binder by FT-IR and principal component analysis. <i>Talanta</i> , 2009 , 77, 1724-31	6.2	30
156	Double-armed crown ethers for calcium optical sensors. <i>Talanta</i> , 2009 , 78, 1484-8	6.2	12
155	Analysis of parabens in cosmetics by low pressure liquid chromatography with monolithic column and chemiluminescent detection. <i>Talanta</i> , 2009 , 79, 499-506	6.2	47
154	Disposable electrochemiluminescent biosensor for lactate determination in saliva. <i>Analyst, The</i> , 2009 , 134, 1423-32	5	71
153	Comparison between traditional strategies and classification technique (SIMCA) in the identification of old proteinaceous binders. <i>Talanta</i> , 2008 , 75, 697-704	6.2	26
152	The use of one-shot sensors with a dedicated portable electronic radiometer for nitrate measurements in aqueous solutions. <i>Measurement Science and Technology</i> , 2008 , 19, 095204	2	12
151	2008 ,		4

150	Portable light-emitting diode-based photometer with one-shot optochemical sensors for measurement in the field. <i>Review of Scientific Instruments</i> , 2008 , 79, 103105	1.7	11
149	Revisitation of the phenylisothiocyanate-derivatives procedure for amino acid determination by HPLC-UV. <i>Journal of Separation Science</i> , 2008 , 31, 3817-28	3.4	22
148	Scanometric potassium determination with ionophore-based disposable sensors. <i>Sensors and Actuators B: Chemical</i> , 2008 , 134, 694-701	8.5	24
147	One-shot lactate chemiluminescent biosensor. <i>Analytica Chimica Acta</i> , 2008 , 629, 136-44	6.6	19
146	Determination of Celecoxib, Rofecoxib, Sodium Diclofenac and Niflumic Acid in Human Serum Samples by HPLC with DAD Detection. <i>Chromatographia</i> , 2008 , 67, 55-61	2.1	8
145	Development of an LCDAD Method for Analysis of Dexketoprofen, Tramadol, and Haloperidol. Study of the Stability of Mixtures Used for Patient-Controlled Analgesia. <i>Chromatographia</i> , 2008 , 68, 767-772	2.1	4
144	Response to a Comment on Disposable Receptor-Based Optical Sensor for Nitrate. <i>Analytical Chemistry</i> , 2007 , 79, 2184-2185	7.8	
143	Open air calibration with temperature compensation of a luminescence quenching-based oxygen sensor for portable instrumentation. <i>Analytical Chemistry</i> , 2007 , 79, 3173-9	7.8	13
142	Oxygen-sensing film coated photodetectors for portable instrumentation. <i>Analytica Chimica Acta</i> , 2007 , 583, 166-73	6.6	23
141	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, 226-33	6.6	78
140	Microcontroller-based portable instrument for stabilised optical oxygen sensor. <i>Sensors and Actuators B: Chemical</i> , 2007 , 121, 629-638	8.5	23
139	Liquid Chromatography-Mass Spectrometry Determination of Six 5-Nitroimidazoles in Animal Feedstuff. <i>Chromatographia</i> , 2007 , 65, 283-290	2.1	26
138	Disposable chemiluminometric sensor for rapid determination of EDTA. <i>Mikrochimica Acta</i> , 2007 , 157, 63-71	5.8	7
137	Potassium disposable optical sensor based on transfectance and chromaticity measurements. <i>Sensors and Actuators B: Chemical</i> , 2007 , 127, 586-592	8.5	15
136	Resolution of an intense sweetener mixture by use of a flow injection sensor with on-line solid-phase extraction. Application to saccharin and aspartame in sweets and drinks. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 385, 385-91	4.4	26
135	A simplified measurement procedure and portable electronic photometer for disposable sensors based on ionophore-chromionophore chemistry for potassium determination. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 386, 1215-24	4.4	16
134	Heavy metal concentrations in the general population of Andalusia, South of Spain: a comparison with the population within the area of influence of Aznalcóbar mine spill (SW Spain). <i>Science of the Total Environment</i> , 2006 , 372, 49-57	10.2	52
133	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	2.2	17

132	Magnesium optical one-shot sensor based on a coumarin chromoionophore. <i>Talanta</i> , 2006 , 68, 1663-70	6.2	26
131	Improvement in LC-MS calibration by addition of fragment signals. <i>Talanta</i> , 2006 , 70, 705-10	6.2	0
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129	Logit linearization of analytical response curves in optical disposable sensors based on coextraction for monovalent anions. <i>Analytica Chimica Acta</i> , 2006 , 561, 156-163	6.6	10
128	Establishment of wide-range linear response curves in bulk optode sensors for cations based on ion exchange. <i>Sensors and Actuators B: Chemical</i> , 2006 , 117, 27-34	8.5	8
127	Irreversible optical sensor for mercury determination based on tetraarylborate decomposition. <i>Sensors and Actuators B: Chemical</i> , 2006 , 117, 135-142	8.5	27
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118	Determination of hypochlorite in water using a chemiluminescent test strip. <i>Analytica Chimica Acta</i> , 2004 , 522, 267-273	6.6	122
117	Calcium selective test strip for water and milk. <i>Analyst, The</i> , 2004 , 129, 783-8	5	6
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113	Chapter 3 Solid-phase spectrometric assays. <i>Comprehensive Analytical Chemistry</i> , 2003 , 39, 81-159	1.9	6
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111	Characterisation of a transparent optical test strip for quantification of water hardness. <i>Analytica Chimica Acta</i> , 2003 , 481, 139-148	6.6	35
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108	Determination of oxolinic acid in cow's milk and human urine by means of a single-use phosphorimetric sensor. <i>Talanta</i> , 2003 , 60, 247-55	6.2	10
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