

# Raluca-Ioana Stefan-van Staden

## 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.

186  
papers

1,203  
citations

15  
h-index

22  
g-index

192  
ext. papers

1,511  
ext. citations

3.4  
avg, IF

5.21  
L-index

#	Paper	IF	Citations
186	ReviewRecent Trends on the Electrochemical Sensors Used for the Determination of Tartrazine and Sunset Yellow FCF from Food and Beverage Products. <i>Journal of the Electrochemical Society</i> , <b>2022</b> , 169, 017509	3.9	1
185	Stochastic Microsensors Based on Carbon Nanotubes for Molecular Recognition of the Isocitrate Dehydrogenases 1 and 2.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	1
184	Disposable stochastic sensors obtained by nanolayer deposition of copper, graphene, and copper-graphene composite on silk for the determination of isocitrate dehydrogenases 1 and 2.. <i>Analytical and Bioanalytical Chemistry</i> , <b>2022</b> , 414, 1797	4.4	2
183	2D disposable stochastic sensors for molecular recognition and quantification of maspin in biological samples.. <i>Mikrochimica Acta</i> , <b>2022</b> , 189, 101	5.8	3
182	Mini-Review: Electrochemical Sensors Used for the Determination of Water- and Fat-Soluble Vitamins: B, D, K.. <i>Critical Reviews in Analytical Chemistry</i> , <b>2022</b> , 1-10	5.2	0
181	Facile Detection of Naphthalene with a 5,10,15,20-tetrakis(4-methoxyphenyl)-21H,23H-Porphine Nickel (II)/N-(1-Naphthyl) Ethylenediamine Dihydrochloride Renewable Graphene Oxide Paste Electrode. <i>Journal of the Electrochemical Society</i> , <b>2022</b> , 169, 037527	3.9	0
180	ReviewProgress in Electroanalysis of p53, CEA, and CA199. <i>Journal of the Electrochemical Society</i> , <b>2022</b> , 169, 037518	3.9	
179	Recent Trends in Ibuprofen and Ketoprofen Electrochemical Quantification - A Review.. <i>Critical Reviews in Analytical Chemistry</i> , <b>2022</b> , 1-12	5.2	0
178	In-House Validated Map of Lymph Node Stations in a Prospective Cohort of Colorectal Cancer: A Tool for a Better Preoperative Staging.. <i>Journal of Oncology</i> , <b>2022</b> , 2022, 1788004	4.5	
177	Stochastic microsensors based on modified graphene for pattern recognition of maspin in biological samples.. <i>Analytical and Bioanalytical Chemistry</i> , <b>2022</b> , 1	4.4	0
176	Disposable stochastic sensors for fast analysis of ibuprofen, ketoprofen, and flurbiprofen in their topical pharmaceutical formulations.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2022</b> , 215, 114738	3.5	0
175	Fast screening method for early diagnostic of gastric cancer based on utilization of a chitosan - S-doped graphene - based needle stochastic sensors.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2022</b> , 214, 114725	3.5	1
174	Hydrothermal Synthesis of Nitrogen, Boron Co-Doped Graphene with Enhanced Electro-Catalytic Activity for Cymoxanil Detection. <i>Sensors</i> , <b>2021</b> , 21,	3.8	2
173	Sulphur Doped Graphenes Based 3D-Needle Stochastic Sensors as New Tools for Biomedical Analysis. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 037509	3.9	3
172	Disposable Stochastic Sensor Based on Deposition of a Nanolayer of Silver on Silk for Molecular Recognition of Specific Biomarkers. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 037515	3.9	4
171	Characterization of Low-Cost, Robust, Graphene-Based Amperometric Dot Microsensors for the Determination of Dopamine. <i>Analytical Letters</i> , <b>2021</b> , 54, 2921-2928	2.2	
170	ReviewTrends in Recent Developments in Electrochemical Sensors for the Determination of Polycyclic Aromatic Hydrocarbons from Water Resources and Catchment Areas. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 047504	3.9	2

169	Nitrogen and Sulfur Co-Doped Graphene as Efficient Electrode Material for L-Cysteine Detection. <i>Chemosensors</i> , <b>2021</b> , 9, 146	4	4
168	ReviewRecent Trends in Supramolecular Recognition of Dopamine, Tyrosine, and Tryptophan, Using Electrochemical Sensors. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 067517	3.9	2
167	Electrochemical Determination of 8-Nitroguanine and 8-Hydroxy-2-Deoxyguanosine in Urine and Whole Blood Using Stochastic Sensors. <i>Analytical Letters</i> , <b>2021</b> , 54, 729-741	2.2	1
166	Chiral single-walled carbon nanotubes as chiral selectors in multimode enantioselective sensors. <i>Chirality</i> , <b>2021</b> , 33, 51-58	2.1	1
165	3D stochastic microsensors for molecular recognition and determination of heregulin- $\beta$ n biological samples. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 3487-3492	4.4	4
164	Subclinical hypothyroidism has no association with insulin resistance indices in adult females: A case-control study. <i>Experimental and Therapeutic Medicine</i> , <b>2021</b> , 22, 1033	2.1	2
163	Sensitive Detection of Heregulin- $\beta$ From Biological Samples Using a Disposable Stochastic Sensor Based on Plasma Deposition of GNPs-AgPs' Nanofilms on Silk. <i>Life</i> , <b>2021</b> , 11,	3	2
162	Fast screening test for molecular recognition of levodopa and dopamine in biological samples using 3D printed stochastic microsensors. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 205, 114292-5	3.5	2
161	Stochastic biosensors based on N- and S-doped graphene for the enantioanalysis of aspartic acid in biological samples.. <i>RSC Advances</i> , <b>2021</b> , 11, 23301-23309	3.7	3
160	Validation of a Screening Method Based on a Needle Stochastic Sensor for the Determination of Interleukins 1 $\beta$ , 6, and 12 in Biological Samples. <i>Proceedings (mdpi)</i> , <b>2020</b> , 55, 14	0.3	
159	Quality and Reliability in Analytical Chemistry. <i>Proceedings (mdpi)</i> , <b>2020</b> , 55, 8	0.3	
158	Myoglobin-silver reduced graphene oxide nanocomposite stochastic biosensor for the determination of luteinizing hormone and follicle-stimulating hormone from saliva samples. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 5191-5202	4.4	6
157	Porphyrins-as Active Materials in the Design of Sensors. An Overview. <i>ECS Journal of Solid State Science and Technology</i> , <b>2020</b> , 9, 051005	2	7
156	Enantioanalysis of glutamine-a key factor in establishing the metabolomics process in gastric cancer. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 3199-3207	4.4	13
155	Stone Paper as a New Substrate to Fabricate Flexible Screen-Printed Electrodes for the Electrochemical Detection of Dopamine. <i>Sensors</i> , <b>2020</b> , 20,	3.8	7
154	Dot Microsensors Based on Zinc Porphyrins and Zinc Phthalocyanine for the Determination of Indigo Carmine. <i>ECS Journal of Solid State Science and Technology</i> , <b>2020</b> , 9, 041015	2	3
153	Molecular Recognition and Determination of Interleukins 1 $\beta$ , 6, 12, and 17 in Whole Blood from Diabetic Patients. <i>Analytical Letters</i> , <b>2020</b> , 53, 2021-2033	2.2	6
152	Nanocarbon Materials Modified with the Zinc Complex of Protoporphyrin IX, Recognized Antibiotics in Water Samples. <i>Electroanalysis</i> , <b>2020</b> , 32, 1060-1064	3	1

151	Fast Screening of Whole Blood and Tumor Tissue for Bladder Cancer Biomarkers Using Stochastic Needle Sensors. <i>Sensors</i> , <b>2020</b> , 20,	3.8	7
150	Review Enzymatic and Non-Enzymatic (bio)sensors Based on Phthalocyanines. A Minireview. <i>ECS Journal of Solid State Science and Technology</i> , <b>2020</b> , 9, 051012	2	7
149	No Association between 25-Hydroxyvitamin D and Insulin Resistance or Thyroid Hormone Concentrations in a Romanian Observational Study. <i>Medicina (Lithuania)</i> , <b>2020</b> , 57,	3.1	2
148	Pattern Recognition of Amino Acids in Wines. <i>Electroanalysis</i> , <b>2020</b> , 32, 7-10	3	4
147	Review Recent Progress in the Graphene-Based Electrochemical Sensors and Biosensors. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 037528	3.9	50
146	Enantioanalysis of tryptophan in whole blood samples using stochastic sensors-A screening test for gastric cancer. <i>Chirality</i> , <b>2020</b> , 32, 215-222	2.1	10
145	Needle stochastic sensors for on-site fast recognition and quantification of biomarkers for gastric cancer in biological samples. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 20203-20211	3.6	11
144	Validation of Disposable Stochastic Sensors Based on Nanolayer Depositon(s) of Silver and AgC Composite on Plastic for the Assay of $\alpha$ -Amylase in Whole Blood and Saliva. <i>Proceedings (mdpi)</i> , <b>2020</b> , 55, 4	0.3	
143	Sensing and Interaction of His-Tagged CA19-9 Antigen with Graphene-Modified Electrodes. <i>Chemosensors</i> , <b>2020</b> , 8, 112	4	3
142	Stochastic microsensors for the assessment of DNA damage in cancer. <i>Analytical Biochemistry</i> , <b>2020</b> , 605, 113839	3.1	2
141	Disposable Stochastic Sensors Based on Nanolayer Deposition(s) of Silver and AgC Composite on Plastic for the Assay of $\alpha$ -Amylase in Whole Blood and Saliva. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	4
140	Pattern Recognition of Sweeteners in Biological Fluids, Beverages, and Ketchup using Stochastic Sensors. <i>Electroanalysis</i> , <b>2020</b> , 32, 178-184	3	1
139	Simultaneous Determination of Carcinoembryonic Antigen (CEA), Carbohydrate Antigen 19-9 (CA19-9), and Serum Protein p53 in Biological Samples with Protoporphyrin IX (PIX) Used for Recognition by Stochastic Microsensors. <i>Analytical Letters</i> , <b>2020</b> , 53, 2545-2558	2.2	6
138	Fast screening method for molecular recognition of islet amyloid polypeptide from whole blood samples collected from diabetic patients with disposable stochastic sensors obtained by nanolayer, and nanolayer by nanolayer deposition using cold plasma. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 4135-4141	4.4	6
137	Detection of 8-Hydroxy-2'-Deoxyguanosine Biomarker with a Screen-Printed Electrode Modified with Graphene. <i>Sensors</i> , <b>2019</b> , 19,	3.8	5
136	Electrochemical Determination of Bisphenol A in Saliva by a Novel Three-Dimensional (3D) Printed Gold-Reduced Graphene Oxide (rGO) Composite Paste Electrode. <i>Analytical Letters</i> , <b>2019</b> , 52, 2583-2606	2.2	18
135	Molecular Enantio recognition of D- and L-Glucose in Urine and Whole Blood Samples. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, B3109-B3115	3.9	13
134	Graphene-based materials produced by graphite electrochemical exfoliation in acidic solutions: Application to Sunset Yellow voltammetric detection. <i>Microchemical Journal</i> , <b>2019</b> , 147, 112-120	4.8	21

133	Pattern recognition of melatonin using stochastic sensors. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 5196-5203	3.6	5
132	Electroanalysis of Bisphenols A, F, and Z Using Graphene Based Stochastic Microsensors. <i>Electroanalysis</i> , <b>2019</b> , 31, 1342-1347	3	1
131	Molecular Recognition of C-Reactive Protein, Adiponectin and Zn <sup>2+</sup> in Serum Samples. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, B3051-B3055	3.9	6
130	Nanostructured Materials Used for Pattern Recognition of Bisphenols in Waste Water Samples. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, B903-B907	3.9	11
129	Determination of Carotene in soft drinks using a stochastic sensor based on a graphene-porphyrin composite. <i>Electrochemistry Communications</i> , <b>2019</b> , 109, 106581	5.1	2
128	Graphene-based stochastic sensors for pattern recognition of gastric cancer biomarkers in biological fluids. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2019</b> , 23, 1365-1370	1.8	9
127	A Screening Test for Early Diagnosis of Microcellular Bronchopulmonary Cancer-Pilot Study. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 9,	5.1	2
126	Pattern Recognition of p53 and KRAS in Whole Blood Samples. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, B183-B186	3.9	7
125	Determination of Cadmium(ii), Copper(ii), Mercury(ii), and Lead(ii) in Water Using Stochastic Sensors Based on Graphite and Diamond Paste Modified with 1H-Pyrrole-1-Hexanoic Acid. <i>Analytical Letters</i> , <b>2019</b> , 52, 803-812	2.2	2
124	Exfoliation of graphite rods via pulses of current for graphene synthesis: Sensitive detection of 8-hydroxy-2'-deoxyguanosine. <i>Talanta</i> , <b>2019</b> , 196, 182-190	6.2	20
123	The salivary levels of leptin and interleukin-6 as potential inflammatory markers in children obesity. <i>PLoS ONE</i> , <b>2019</b> , 14, e0210288	3.7	20
122	Molecular enantio recognition of l-glucose and d-glucose in whole blood samples. <i>Chirality</i> , <b>2018</b> , 30, 680-685	2.1	6
121	Salivary biomarkers of inflammation in systemic lupus erythematosus. <i>Annals of Anatomy</i> , <b>2018</b> , 219, 89-93	2.9	9
120	Disposable Stochastic Sensors for the Simultaneous Assay of Acetylcholine and Dopamine in Whole Blood Samples. <i>Analytical Letters</i> , <b>2018</b> , 51, 1927-1934	2.2	1
119	Graphene/TiO <sub>2</sub> -Ag Based Composites Used as Sensitive Electrode Materials for Amaranth Electrochemical Detection and Degradation. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, B3054-B3059	3.9	10
118	Pattern recognition of 8-hydroxy-2'-deoxyguanosine in biological fluids. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 115-121	4.4	12
117	Molecular Recognition of Nitrites and Nitrates in Water Samples Using Graphene-Based Stochastic Microsensors. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 9997-10000	7.8	9
116	Graphene-porphyrin composite synthesis through graphite exfoliation: The electrochemical sensing of catechol. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 256, 665-673	8.5	30

115	Advanced Methods for the Analysis of Testosterone. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 4037-4049	4.3	5
114	Pattern Recognition of Diabetes Related Biomarkers. <i>Electroanalysis</i> , <b>2018</b> , 30, 2628-2634	3	3
113	Molecular Recognition of Pyruvic Acid and L-Lactate in Early-Diabetic 1-Type Stage. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, B659-B664	3.9	5
112	Molecular recognition of IL-8, IL-10, IL-12, and IL-15 in biological fluids using phthalocyanine-based stochastic sensors. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 7723-7737	4.4	10
111	Electrochemical Determination of the KRAS Genetic Marker for Colon Cancer with Modified Graphene and Graphene Paste Electrodes. <i>Analytical Letters</i> , <b>2018</b> , 51, 2822-2834	2.2	6
110	Pattern recognition of Cu(II), Pb(II), Hg(II), and Cd(II) in waste waters. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 1141-1145	1.7	8
109	Molecular Screening of Blood Samples for the Simultaneous Detection of CEA, HER-1, NSE, CYFRA 21-1 Using Stochastic Sensors. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, B267-B273	3.9	11
108	Multimode microsensors based on Ag <sub>3</sub> TiO <sub>2</sub> /graphene materials used for the molecular recognition of carcinoembryonic antigen in whole blood samples. <i>RSC Advances</i> , <b>2017</b> , 7, 28419-28426	3.7	6
107	Fast Screening of Tissue Samples for Glycogen. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 135, 16-19	3.5	1
106	Phthalocyanine-BODIPY dye: synthesis, characterization, and utilization for pattern recognition of CYFRA 21-1 in whole blood samples. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 6195-6203	4.4	7
105	Fast screening of whole blood samples for early detection and monitoring of thyroid diseases. <i>RSC Advances</i> , <b>2017</b> , 7, 43567-43573	3.7	3
104	Nanostructured Materials Detect Dopamine in Biological Fluids. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, B561-B566	3.9	14
103	Determination of p53 Using Graphite Based Amperometric Sensors. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, B502-B505	3.9	5
102	Molecular Recognition of Colon Cancer Biomarkers: P53, KRAS and CEA in Whole Blood Samples. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, B443-B447	3.9	16
101	Molecular recognition of pyruvic acid and folic acid in whole blood. <i>RSC Advances</i> , <b>2017</b> , 7, 50072-50078	3.7	1
100	Pattern recognition of adipokines in whole blood samples using stochastic sensing. <i>Microsystem Technologies</i> , <b>2016</b> , 22, 11-16	1.7	4
99	Stochastic sensors based on maltodextrins for screening of whole blood for neuron specific enolase, carcinoembryonic antigen and epidermal growth factor receptor. <i>Microsystem Technologies</i> , <b>2016</b> , 22, 25-29	1.7	4
98	Azulene Based Stochastic Microsensor. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, B563-B566	3.9	1

97	New Platforms for Fast Assessment of Levels of Testosterone, Dihydrotestosterone, and Estradiol in Children's Saliva. <i>Analytical Letters</i> , <b>2016</b> , 49, 335-341	2.2	2
96	Stochastic Sensors for the Assay of Biogenic Amines in Wines. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, B252-B255	3.9	5
95	Stochastic sensors designed for assessment of biomarkers specific to obesity. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 128, 280-285	3.5	4
94	A Graphene Stochastic Sensor for the Molecular Screening of TNF- $\alpha$ . <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, B245-B247	3.9	3
93	New nanocomposite-graphene pastes based stochastic microsensors. <i>RSC Advances</i> , <b>2015</b> , 5, 66185-66191	3.7	8
92	Pattern recognition of monocyte chemoattractant protein-1 (MCP-1) in whole blood samples using new platforms based on nanostructured materials. <i>Nanoscale</i> , <b>2015</b> , 7, 14848-53	7.7	5
91	Evaluation of amperometric dot microsensors for the analysis of folic acid in pharmaceutical tablets and urine samples. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2015</b> , 19, 679-687	1.8	6
90	Multimode sensors as new tools for molecular recognition of testosterone, dihydrotestosterone and estradiol in children's saliva. <i>Journal of Molecular Recognition</i> , <b>2015</b> , 28, 10-9	2.6	8
89	Novel textile material based disposable sensors for biomedical analysis. <i>RSC Advances</i> , <b>2015</b> , 5, 45545-45550	3.7	7
88	Pattern recognition of HER-1 in biological fluids using stochastic sensing. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2015</b> , 30, 283-5	5.6	6
87	Diamond Paste-Based Stochastic Sensor for Screening of Children's Cerebrospinal Fluid. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, B351-B353	3.9	4
86	Carbon Modified Paper Based Sensors. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, B360-B362	3.9	3
85	Ionic liquids for the molecular enantio recognition of free L-T3, L-T4 and D-T4. <i>RSC Advances</i> , <b>2015</b> , 5, 75451-75457	3.7	2
84	Nanostructured materials detect epidermal growth factor receptor, neuron specific enolase and carcinoembryonic antigen. <i>Nanoscale</i> , <b>2015</b> , 7, 15689-94	7.7	12
83	New stochastic microsensors based on oleamides. <i>Electrochemistry Communications</i> , <b>2015</b> , 51, 98-102	5.1	11
82	Immunosensors in Clinical and Environmental Analysis. <i>Critical Reviews in Analytical Chemistry</i> , <b>2015</b> , 45, 2-31	5.2	5
81	Fast screening of biological fluids for cytokines and adipokines using stochastic sensing. <i>Microelectronic Engineering</i> , <b>2015</b> , 148, 64-69	2.5	6
80	Fast Screening of Whole Blood Samples and Pharmaceutical Compounds for Enantio recognition of Free L-T3 , L-T4 , and D-T4. <i>Chirality</i> , <b>2015</b> , 27, 973-8	2.1	1

79	Multimode Microsensors Based on Carbon Matrices Used for the Assay of IL-6 in Whole Blood Samples. <i>ECS Journal of Solid State Science and Technology</i> , <b>2015</b> , 4, S3006-S3010	2	1
78	Chitosan Based Diamond Paste Stochastic Microsensors Modified with Gold Nanoparticles Detect Hepatitis C Virus Core Antigen. <i>Electroanalysis</i> , <b>2015</b> , 27, 1842-1846	3	2
77	Pattern Recognition of HER-2 in Whole Blood Samples Using Stochastic Microsensors. <i>ECS Journal of Solid State Science and Technology</i> , <b>2015</b> , 4, S3067-S3070	2	3
76	Enantioselective, Potentiometric Membrane Electrodes Based on C70Fullerenes for the Enantioanalysis of S-Clenbuterol in Serum. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, H477-H480	3.9	
75	A new hypothesis of aging. <i>Medical Hypotheses</i> , <b>2015</b> , 84, 252-7	3.8	3
74	Pattern recognition of neuron specific enolase and carcinoembryonic antigen in whole blood samples. <i>Journal of Molecular Recognition</i> , <b>2015</b> , 28, 103-7	2.6	10
73	Comparative study of three modified numerical spectrophotometric methods: an application on pharmaceutical ternary mixture of aspirin, atorvastatin and clopedogrel. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 128, 514-21	4.4	1
72	Engineered nanoporous gold microspheres for stochastic sensing. <i>RSC Advances</i> , <b>2014</b> , 4, 54140-54143	3.7	9
71	Molecular recognition of HER-1 in whole-blood samples. <i>Journal of Molecular Recognition</i> , <b>2014</b> , 27, 653-8.6		3
70	Stochastic microsensors as screening tools for neuron specific enolase. <i>RSC Advances</i> , <b>2014</b> , 4, 26383-26388	3.8	6
69	Screening of children saliva samples for bisphenol A using stochastic, amperometric and multimode microsensors. <i>Analytical Chemistry Research</i> , <b>2014</b> , 1, 1-7		8
68	Pattern recognition of neurotransmitters using multimode sensing. <i>Journal of Neuroscience Methods</i> , <b>2014</b> , 229, 1-7	3	14
67	Graphene Based Dot Microsensors Used for the Screening of Urine for Adenine, Guanine and Epinephrine. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, B3014-B3022	3.9	9
66	Stochastic Microsensors Based on Nanostructured Materials Used in the Screening of Whole Blood for Hepatitis B. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, B3001-B3005	3.9	21
65	Pattern recognition of estradiol, testosterone and dihydrotestosterone in children's saliva samples using stochastic microsensors. <i>Scientific Reports</i> , <b>2014</b> , 4, 5579	4.9	13
64	Influence of Physical Immobilization of dsDNA on Carbon Based Matrices of Electrochemical Sensors. <i>Current Pharmaceutical Analysis</i> , <b>2014</b> , 10, 20-29	0.6	11
63	Evaluation of Amperometric Dot Microsensors for the Analysis of Serotonin in Urine Samples. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, B49-B54	3.9	9
62	Enantioselective surface plasmon resonance sensor based on C60 fullerene-glutathione self-assembled monolayer (SAM). <i>Chirality</i> , <b>2014</b> , 26, 129-31	2.1	2



61	Multimode Sensors Based on Nanostructured Materials for Simultaneous Screening of Biological Fluids for Specific Breast Cancer and Hepatitis B Biomarkers. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, B45-B48	3.9	4
60	A Genetic Screening Test for Obesity Based on Stochastic Sensing. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, B167-B170	3.9	11
59	Enantioanalysis of pipercolic acid with stochastic and potentiometric microsensors. <i>Chirality</i> , <b>2013</b> , 25, 114-8	2.1	13
58	Chiral selectors in CE: recent developments and applications. <i>Electrophoresis</i> , <b>2013</b> , 34, 178-204	3.6	86
57	New Multimode Sensors Based on Nanostructured Materials for Simultaneous Screening of Biological Fluids for Specific Breast Cancer and Hepatitis B Biomarkers. <i>ECS Transactions</i> , <b>2013</b> , 50, 61-67 <sup>†</sup>		
56	Resolution of Ternary Mixture of Aspirin, Atorvastatin, and Clopidogrel by Chemometric-Assisted UV Spectroscopic and Liquid Chromatography Methods. <i>International Journal of Spectroscopy</i> , <b>2013</b> , 2013, 1-8		3
55	Chiral separation of the clinically important compounds fucose and pipercolic acid using CE: determination of the most effective chiral selector. <i>Chirality</i> , <b>2013</b> , 25, 556-60	2.1	15
54	Quinine, Quinidine and Their Tert-butyl Carbomylated Derivatives as Chiral Selectors in the Enantioselective, Potentiometric Membrane Electrodes Design: Their Application for the Assay of (S) and (R) Enantiomers of 3,5-dinitrobenzoyl Leucine. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, B196-B200	3.9	4
53	Inulins as Electroactive Materials for Enantioanalysis of Chiral Drugs. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, B192-B195	3.9	7
52	Amperometric biosensor based on diamond paste for the enantioanalysis of L-lysine. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 35, 439-442	11.8	20
51	Determination of L- and D-fucose using amperometric electrodes based on diamond paste. <i>Analyst, The</i> , <b>2012</b> , 137, 903-9	5	7
50	Enantioanalysis of ketoprofen based on its interaction with C60 fullerene and its derivatives. <i>Analytical Methods</i> , <b>2012</b> , 4, 1492	3.2	5
49	Microelectrodes based on porphyrins for the determination of ascorbic acid in pharmaceutical samples and beverages. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2012</b> , 16, 809-816	1.8	4
48	Stochastic Dot Microsensors for the Assay of Dopamine in Pharmaceutical Samples and Biological Fluids. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, B839-B844	3.9	9
47	Electroanalysis of Oseltamivir Phosphate Using New Microelectrodes Based on Zinc Complexes with Porphyrins and Phthalocyanines. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, B789-B793	3.9	1
46	A Novel Ciprofloxacin Selective Membrane Electrode. <i>Current Pharmaceutical Analysis</i> , <b>2012</b> , 8, 334-338	0.6	3
45	Amperometric dot-sensors based on zinc porphyrins for sildenafil citrate determination. <i>Electrochimica Acta</i> , <b>2011</b> , 58, 290-295	6.7	11
44	Disposable Stochastic Dot Sensors for the Assay of Ascorbic Acid in Pharmaceutical Samples, Beverages, and Biological Fluids. <i>Analytical Letters</i> , <b>2011</b> , 44, 2280-2286	2.2	8

43	Enantioselective Potentiometric Membrane Electrodes Based on Antibiotics for the Determination of L- and D-Glyceric Acids. <i>International Journal of Electrochemistry</i> , <b>2011</b> , 2011, 1-4	2.4	1
42	Enantioanalysis of L-Histidine Using Enantioselective, Potentiometric Membrane Electrodes Based on Maltodextrins. <i>Analytical Letters</i> , <b>2011</b> , 44, 968-975	2.2	2
41	Enantioselective, Potentiometric Membrane Electrodes (EPME) Based on Maltodextrins for the Determination of L-Vesamicol in Serum Samples. <i>Current Pharmaceutical Analysis</i> , <b>2011</b> , 7, 253-257	0.6	3
40	Micro- and Nanosensors, Recent Developments and Features: A Minireview. <i>Analytical Letters</i> , <b>2010</b> , 43, 1111-1118	2.2	5
39	Determination of Free L-T4 and Free L-T3 from Blood Using the Immunosensors/Sequential Injection Analysis System. <i>Analytical Letters</i> , <b>2010</b> , 43, 1119-1125	2.2	1
38	Wireless Electrochemical Sensors: A Tool for Process Control Past, Present and the Future. <i>Critical Reviews in Analytical Chemistry</i> , <b>2010</b> , 40, 226-233	5.2	10
37	Application of porphyrins in flow-injection analysis: a review. <i>Talanta</i> , <b>2010</b> , 80, 1598-605	6.2	36
36	Enantioanalysis of R-deprenyl based on its molecular interaction with C(70) fullerenes. <i>Talanta</i> , <b>2010</b> , 81, 865-70	6.2	3
35	Enantioanalysis of D-histidine based on its interaction with [5,6]fullerene-C70 and diethyl (1,2-methanofullerene-C70)-71,71-dicarboxylate. <i>New Journal of Chemistry</i> , <b>2010</b> , 34, 1141	3.6	3
34	Diamond paste based electrodes for the determination of Ag(I). <i>Analytical Methods</i> , <b>2010</b> , 2, 650	3.2	2
33	Enantioanalysis of S-Ibuprofen using [5B] fullerene-C70 and diethyl (1,2-methanofullerene C70)-71-71-dicarboxylate. <i>Analytical Methods</i> , <b>2010</b> , 2, 37-40	3.2	3
32	Enantioanalysis of (-)butaclamol using vancomycin and teicoplanin as chiral selectors. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2010</b> , 13, 690-3	1.3	2
31	Diamond paste-based electrodes for the determination of sildenafil citrate (Viagra). <i>Journal of Solid State Electrochemistry</i> , <b>2010</b> , 14, 997-1000	2.6	12
30	Carbon and diamond paste microelectrodes based on Mn(III) porphyrins for the determination of dopamine. <i>Analytica Chimica Acta</i> , <b>2010</b> , 668, 201-7	6.6	15
29	Enantioanalysis of S-deprenyl using enantioselective, potentiometric membrane electrodes based on C60 derivatives. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 1772-1777	6.7	3
28	Determination of (S)-(+)-Ibuprofen Using Enantioselective, Potentiometric Membrane Electrodes Based on Macrocyclic Antibiotics. <i>Instrumentation Science and Technology</i> , <b>2009</b> , 37, 197-203	1.4	5
27	Enantioanalysis of S-Ketoprofen Using Enantioselective, Potentiometric Membrane Electrodes. <i>Analytical Letters</i> , <b>2009</b> , 42, 764-774	2.2	4
26	Enantioanalysis of L-Proline Using C60 Fullerenes as Chiral Selectors. <i>Analytical Letters</i> , <b>2009</b> , 42, 323-329.2		

25	Amperometric Immunosensor for the Determination of 2',3'-dideoxyinosine. <i>Analytical Letters</i> , <b>2009</b> , 42, 758-763	2.2	2
24	Enantioanalysis of Butaclamol Using Enantioselective Potentiometric Electrodes. <i>Analytical Letters</i> , <b>2009</b> , 42, 1111-1118	2.2	0
23	Macrocyclic antibiotics as chiral selectors in the design of enantioselective, potentiometric membrane electrodes for the determination of S-flurbiprofen. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 394, 821-6	4.4	5
22	Utilization of an enantioselective surface plasmon resonance electrode for the selection of the best C(70) fullerene as chiral selector for the enantioanalysis of L-cysteine. <i>Preparative Biochemistry and Biotechnology</i> , <b>2009</b> , 39, 142-6	2.4	
21	Enantioselective Determination of R-Clenbuterol Using an Enantioselective, Potentiometric Membrane Electrode Based on a $\beta$ -Cyclodextrin Derivative. <i>Instrumentation Science and Technology</i> , <b>2009</b> , 37, 189-196	1.4	1
20	Sequential Injection Analysis utilizing Amperometric Biosensors as Detectors for the Simultaneous Determination of L- and D-Pipecolic Acid. <i>Instrumentation Science and Technology</i> , <b>2008</b> , 36, 355-366	1.4	1
19	Determination of (+)-3,3',5,5'-Tetraiodo-L-thyronine (L-T4) in Serum and pharmaceutical formulations using a sequential injection analysis/immunosensor system. <i>Journal of Immunoassay and Immunochemistry</i> , <b>2008</b> , 29, 348-55	1.8	4
18	Enantioselective, potentiometric membrane electrodes based on cyclodextrins for the determination of l-histidine. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 120, 399-402	8.5	16
17	Procedure 3 Enantioanalysis of S-captopril using an enantioselective, potentiometric membrane electrode. <i>Comprehensive Analytical Chemistry</i> , <b>2007</b> , 49, e21-e23	1.9	
16	Chapter 3 Enantioselective, potentiometric membrane electrodes: design, mechanism of potential development and applications for pharmaceutical and biomedical analysis.. <i>Comprehensive Analytical Chemistry</i> , <b>2007</b> , 49, 53-71	1.9	2
15	Enantioselective potentiometric membrane electrodes based on C(60) fullerene and its derivatives for the assay of l-Histidine. <i>Talanta</i> , <b>2007</b> , 71, 1434-7	6.2	8
14	Cyclodextrins-based enantioselective, potentiometric membrane electrodes for l-vesamicol assay in serum samples. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 117, 123-127	8.5	7
13	Enantioselective, Potentiometric Membrane Electrodes Based on Different Cyclodextrins as Chiral Selectors for the Assay of S-Flurbiprofen. <i>Electroanalysis</i> , <b>2006</b> , 18, 1718-1721	3	7
12	Determination of L-Vesamicol in Serum Samples Using Enantioselective, Potentiometric Membrane Electrodes Based on Antibiotics. <i>Analytical Letters</i> , <b>2006</b> , 39, 675-682	2.2	3
11	Determination of L- and D-Enantiomers of Leucine Using Amperometric Biosensors Based on Diamond Paste. <i>Instrumentation Science and Technology</i> , <b>2006</b> , 34, 475-481	1.4	3
10	Simultaneous detection of creatine and creatinine using a sequential injection analysis/biosensor system. <i>Preparative Biochemistry and Biotechnology</i> , <b>2006</b> , 36, 287-96	2.4	15
9	Utilization of Maltodextrin-Based Enantioselective, Potentiometric Membrane Electrodes for the Enantioselective Assay of S-Flurbiprofen. <i>Analytical Letters</i> , <b>2006</b> , 39, 1065-1073	2.2	6
8	Enantioselective, Potentiometric Carbon Paste Electrodes Based on C60 Derivatives as Chiral Selectors for the Enantioanalysis of S-Clenbuterol. <i>Analytical Letters</i> , <b>2006</b> , 39, 1311-1319	2.2	10

7	Enantioselective, potentiometric membrane electrodes based on cyclodextrins: application for the determination of R-baclofen in its pharmaceutical formulation. <i>Talanta</i> , <b>2006</b> , 69, 1049-53	6.2	18
6	Enantioselective assay of S(+)-ibuprofen using enantioselective, potentiometric membrane electrodes based on maltodextrins. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 120, 295-297	8.5	9
5	Determination of baclofen enantiomers in pharmaceutical formulations using maltodextrin-based enantioselective, potentiometric membrane electrodes. <i>Il Farmaco</i> , <b>2004</b> , 59, 993-7		13
4	Enantioanalysis of Aspartic Acid Using 3D Stochastic Sensors. <i>Analytical Letters</i> ,1-8	2.2	0
3	Stochastic Sensors for the Enantioselective Determination of Serine in Blood for the Early Diagnosis of Breast Cancer. <i>Analytical Letters</i> ,1-8	2.2	
2	Perspective Challenges in Biomedical Analysis: From Classical Sensors to Stochastic Sensors		2
1	Minireview: Current Trends and Future Challenges for the Determination of Patulin in Food Products. <i>Analytical Letters</i> ,1-17	2.2	1