

# Joan Bausells

## 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.

159 papers	2,683 citations	29 h-index	44 g-index
183 ext. papers	3,108 ext. citations	4.5 avg, IF	4.81 L-index

#	Paper	IF	Citations
159	Electrochemical Impedance Spectroscopy Microsensor Based on Molecularly Imprinted Chitosan Film Grafted on a 4-Aminophenylacetic Acid (CMA) Modified Gold Electrode, for the Sensitive Detection of Glyphosate. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 621057	5	1
158	A silicon nitride ISFET based immunosensor for tumor necrosis factor-alpha detection in saliva. A promising tool for heart failure monitoring. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1161, 338468	6.6	6
157	eHealth system with ISFET-based immunosensor for heart failure biomarker detection in saliva <b>2021</b> ,		1
156	Theoretical study and analytical performance of a lysozyme impedimetric microsensor based on a molecularly imprinted chitosan film. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 339, 129903	8.5	3
155	Impedimetric Detection of Human Interleukin 10 on Diazonium Salt Electroaddressed Gold Microelectrode Surfaces. <i>Smart Sensors, Measurement and Instrumentation</i> , <b>2021</b> , 109-121	0.3	
154	Development of an ImmunoFET for Analysis of Tumour Necrosis Factor- $\alpha$ in Artificial Saliva: Application for Heart Failure Monitoring. <i>Chemosensors</i> , <b>2021</b> , 9, 26	4	13
153	Capacitance Electrochemical pH Sensor Based on Different Hafnium Dioxide (HfO <sub>2</sub> ) Thicknesses. <i>Chemosensors</i> , <b>2021</b> , 9, 13	4	5
152	Experimental Study and Mathematical Modeling of a Glyphosate Impedimetric Microsensor Based on Molecularly Imprinted Chitosan Film. <i>Chemosensors</i> , <b>2020</b> , 8, 104	4	5
151	Electrochemical impedance spectroscopy determination of glyphosate using a molecularly imprinted chitosan. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 309, 127753	8.5	21
150	Capacitance Polypyrrole-based Impedimetric Immunosensor for Interleukin-10 Cytokine Detection. <i>Electroanalysis</i> , <b>2020</b> , 32, 1795-1806	3	6
149	Exploring Strategies to Contact 3D Nano-Pillars. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	2
148	Development of Novel Magneto-Biosensor for Sulfapyridine Detection. <i>Biosensors</i> , <b>2020</b> , 10,	5.9	3
147	Directed Self-Assembly of Block Copolymers for the Fabrication of Functional Devices. <i>Polymers</i> , <b>2020</b> , 12,	4.5	10
146	Capacitance electrochemical biosensor based on silicon nitride transducer for TNF- $\alpha$ cytokine detection in artificial human saliva: Heart failure (HF). <i>Talanta</i> , <b>2020</b> , 209, 120501	6.2	15
145	Influence of Quantum Dot Characteristics on the Performance of Hybrid SET-FET Circuits. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 4461-4467	2.9	1
144	A Novel Cortisol Biosensor Based on the Capacitive Structure of Hafnium Oxide: Application for Heart Failure Monitoring <b>2019</b> ,		2
143	A simple membrane with the electroactive [Sulfapyridine-H] <sup>+</sup> [Co(C <sub>2</sub> B <sub>9</sub> H <sub>11</sub> ) <sub>2</sub> ] <sup>-</sup> for the easy potentiometric detection of sulfonamides. <i>Journal of Organometallic Chemistry</i> , <b>2019</b> , 893, 32-38	2.3	3

142	Development and application of a novel electrochemical immunosensor for tetracycline screening in honey using a fully integrated electrochemical Bio-MEMS. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 130, 330-337	11.8	37
141	A fully integrated passive microfluidic Lab-on-a-Chip for real-time electrochemical detection of ammonium: Sewage applications. <i>Science of the Total Environment</i> , <b>2019</b> , 653, 1223-1230	10.2	27
140	A highly selective potentiometric amphetamine microsensor based on all-solid-state membrane using a new ion-pair complex, [3,3'-Co(1,2-closo-C <sub>2</sub> B <sub>9</sub> H <sub>11</sub> ) <sub>2</sub> ][C <sub>9</sub> H <sub>13</sub> NH] <sup>+</sup> . <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 266, 823-829	8.5	14
139	Development of a Perchlorate Chemical Sensor Based on Magnetic Nanoparticles and Silicon Nitride Capacitive Transducer. <i>Electroanalysis</i> , <b>2018</b> , 30, 901-909	3	6
138	A novel chronoamperometric immunosensor for rapid detection of TNF- $\alpha$ in human saliva. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 266, 477-484	8.5	38
137	Sensitive Potentiometric Determination of Amphetamine with an All-Solid-State Micro Ion-Selective Electrode. <i>Analytical Letters</i> , <b>2018</b> , 51, 348-358	2.2	10
136	A low-cost and miniaturized potentiostat for sensing of biomolecular species such as TNF- $\alpha$ by electrochemical impedance spectroscopy. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 100, 533-540	11.8	36
135	Efficient fabrication of poly(pyrrole)-nanowires through innovative nanocontact printing, using commercial CD as mold, on flexible thermoplastics substrates: Application for cytokines immunodetection. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 2520-2530	8.5	3
134	A novel potentiometric microsensor for real-time detection of Irgarol using the ion-pair complex [Irgarol-H] <sup>+</sup> [Co(C <sub>2</sub> B <sub>9</sub> H <sub>11</sub> ) <sub>2</sub> ] <sup>-</sup> . <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 268, 164-169	8.5	5
133	Solid State Gas Sensor Based on Polyaniline Doped with [3,3'-Co(1,2-C <sub>2</sub> B <sub>9</sub> H <sub>11</sub> ) <sub>2</sub> ] <sup>+</sup> for Detection of Acetone: Diagnostic to Heart Failure Disease. <i>Proceedings (mdpi)</i> , <b>2018</b> , 2, 1086	0.3	0
132	Electrochemical Immunosensor for NT-proBNP Detection in Artificial Human Saliva: Heart Failure Biomedical Application. <i>Proceedings (mdpi)</i> , <b>2018</b> , 2, 1085	0.3	2
131	Biopatterning of antibodies on poly(pyrrole)-nanowires using nanocontact printing: Surface characterization. <i>Materials Science and Engineering C</i> , <b>2018</b> , 91, 466-474	8.3	4
130	Electrochemical biosensor platform for TNF- $\alpha$ cytokines detection in both artificial and human saliva: Heart failure. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 251, 1026-1033	8.5	57
129	Silicon Nitride Capacitive Chemical Sensor for Phosphate Ion Detection Based on Copper Phthalocyanine $\pi$ -Acrylate-polymer. <i>Electroanalysis</i> , <b>2017</b> , 29, 1586-1595	3	24
128	Novel Strategy for Sulfapyridine Detection Using a Fully Integrated Bio-MEMS: Application to Honey Analysis. <i>Procedia Technology</i> , <b>2017</b> , 27, 254-255		1
127	Fabrication of new polypyrrole/silicon nitride hybrid materials for potential applications in electrochemical sensors: Synthesis and characterization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2017</b> , 54, 827-834	2.2	2
126	Novel strategy for sulfapyridine detection using a fully integrated electrochemical Bio-MEMS: Application to honey analysis. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 93, 282-288	11.8	22
125	A fully integrated electrochemical biosensor platform fabrication process for cytokines detection. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 93, 170-175	11.8	52

124	Exploring the Influence of Variability on Single-Electron Transistors Into SET-Based Circuits. <i>IEEE Transactions on Electron Devices</i> , <b>2017</b> , 64, 5172-5180	2.9	6
123	A Highly Sensitive Potentiometric Amphetamine Microsensor Based on All-Solid-State Membrane Using a New Ion-Par Complex, [3,3'-Co(1,2-closo-C <sub>2</sub> B <sub>9</sub> H <sub>11</sub> ) <sub>2</sub> ][C <sub>9</sub> H <sub>13</sub> NH <sup>+</sup> ]. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 481	0.3	0
122	Low-Cost Impedance Measurements for Lab-on-a-Chip Architectures: Towards Potentiostat Miniaturization. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 604	0.3	1
121	Large area in situ fabrication of poly(pyrrole)-nanowires on flexible thermoplastic films using nanocontact printing. <i>Materials Research Express</i> , <b>2016</b> , 3, 085018	1.7	1
120	Grand Challenge in N/MEMS. <i>Frontiers in Mechanical Engineering</i> , <b>2016</b> , 1,	2.6	13
119	Electrochemical Capacitive K <sup>+</sup> EMIS Chemical Sensor Based on the Dibromoaza[7]helicene as an Ionophore for Potassium Ions Detection. <i>Electroanalysis</i> , <b>2016</b> , 28, 2892-2899	3	15
118	Development of a novel capacitance electrochemical biosensor based on silicon nitride for ochratoxin A detection. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 234, 446-452	8.5	33
117	A flexible electrochemical micro lab-on-chip: application to the detection of interleukin-10. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 2155-2162	5.8	18
116	Novel iron (III) phthalocyanine derivative functionalized semiconductor based transducers for the detection of citrate. <i>Organic Electronics</i> , <b>2016</b> , 34, 200-207	3.5	17
115	Poly(pyrrole) microwires fabrication process on flexible thermoplastics polymers: Application as a biosensing material. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 221, 940-950	8.5	12
114	Fabrication of functional electromechanical nanowire resonators by focused ion beam implantation. <i>Journal of Micro/Nanolithography, MEMS, and MOEMS</i> , <b>2015</b> , 14, 031207	0.7	6
113	Piezoresistive cantilever force sensors based on polycrystalline silicon <b>2015</b> ,		2
112	Piezoresistive cantilevers for nanomechanical sensing. <i>Microelectronic Engineering</i> , <b>2015</b> , 145, 9-20	2.5	36
111	Nanoparticles with tunable shape and composition fabricated by nanoimprint lithography. <i>Nanotechnology</i> , <b>2015</b> , 26, 445302	3.4	9
110	Development of a capacitive chemical sensor based on Co(II)-phthalocyanine acrylate-polymer/HfO <sub>2</sub> /SiO <sub>2</sub> /Si for detection of perchlorate. <i>Journal of Sensors and Sensor Systems</i> , <b>2015</b> , 4, 17-23	1.6	10
109	Batch fabrication of insulated conductive scanning probe microscopy probes with reduced capacitive coupling. <i>Microelectronic Engineering</i> , <b>2014</b> , 119, 44-47	2.5	0
108	Controlled poly(pyrrole) patterning by microcontact printing on glass and poly(ethylene terephthalate) substrates. <i>Microelectronic Engineering</i> , <b>2014</b> , 121, 167-174	2.5	14
107	A Fully Integrated Electrochemical BioMEMS Fabrication Process for Cytokine Detection: Application for Heart Failure. <i>Procedia Engineering</i> , <b>2014</b> , 87, 377-379		7

106	Functional oxide nanostructures written by EBL on insulating single crystal substrates. <i>Microelectronic Engineering</i> , <b>2013</b> , 110, 94-99	2.5	3
105	Development of a flexible microfluidic system based on a simple and reproducible sealing process between polymers and poly(dimethylsiloxane). <i>Microelectronic Engineering</i> , <b>2013</b> , 111, 332-338	2.5	14
104	Diazonium modified gold microelectrodes onto polyimide substrates for impedimetric cytokine detection with an integrated Ag/AgCl reference electrode. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 189, 165-172	8.5	24
103	Dual Function Polyvinyl Alcohol Based Oxide Precursors for Nanoimprinting and Electron Beam Lithography. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1547, 75-80		
102	Biomolecule recognition using piezoresistive nanomechanical force probes. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 253701	3.4	7
101	Impedimetric immunosensor for human serum albumin detection on a direct aldehyde-functionalized silicon nitride surface. <i>Analytica Chimica Acta</i> , <b>2012</b> , 720, 43-8	6.6	56
100	Cytokine Detection using Diazonium Modified Gold Microelectrodes Onto Polyimide Substrates with Integrated Ag/AgCl Reference Electrode. <i>Procedia Engineering</i> , <b>2012</b> , 47, 1181-1184		6
99	All-stencil transistor fabrication on 3D silicon substrates. <i>Journal of Micromechanics and Microengineering</i> , <b>2012</b> , 22, 095022	2	6
98	Fast on-wafer electrical, mechanical, and electromechanical characterization of piezoresistive cantilever force sensors. <i>Review of Scientific Instruments</i> , <b>2012</b> , 83, 015002	1.7	6
97	Impedimetric microbial biosensor based on single wall carbon nanotube modified microelectrodes for trichloroethylene detection. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 10353-10358	6.7	28
96	A new bacterial biosensor for trichloroethylene detection based on a three-dimensional carbon nanotubes bioarchitecture. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 1083-92	4.4	37
95	Localized Ion Implantation Through Micro/Nanostencil Masks. <i>IEEE Nanotechnology Magazine</i> , <b>2011</b> , 10, 940-946	2.6	14
94	Silicon microcantilevers with MOSFET detection. <i>Microelectronic Engineering</i> , <b>2010</b> , 87, 1245-1247	2.5	14
93	Impedimetric immunosensor based on SWCNT-COOH modified gold microelectrodes for label-free detection of deep venous thrombosis biomarker. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 1278-82	11.8	43
92	Direct patterning of anti-human serum albumin antibodies on aldehyde-terminated silicon nitride surfaces for HSA protein detection. <i>Small</i> , <b>2009</b> , 5, 1531-4	11	25
91	Wireless monitoring of the pH, NH <sub>4</sub> <sup>+</sup> and temperature in a fish farm. <i>Procedia Chemistry</i> , <b>2009</b> , 1, 445-448		12
90	Na <sup>+</sup> and K <sup>+</sup> Implanted Membranes for Micro-Sensors Development. <i>Sensor Letters</i> , <b>2009</b> , 7, 689-693	0.9	5
89	Characterization of Potassium-Selective Field Effect Transistors Based on 1,3-(di-4-oxabutanol)-Calix[4]arene-Crown-5 as Ionophore. <i>Sensor Letters</i> , <b>2009</b> , 7, 795-800	0.9	2

88	IEEE 802.15.4 Based Wireless Sensor Networks Applied to pH and Temperature Monitoring in a Fish Farm. <i>Sensor Letters</i> , <b>2009</b> , 7, 861-868	0.9	2
87	Interaction of biomolecules sequentially deposited at the same location using a microcantilever-based spotter. <i>Biomedical Microdevices</i> , <b>2008</b> , 10, 479-87	3.7	15
86	Nanobiosensors based on individual olfactory receptors. <i>Analog Integrated Circuits and Signal Processing</i> , <b>2008</b> , 57, 197-203	1.2	16
85	Crystalline silicon cantilevers for piezoresistive detection of biomolecular forces. <i>Microelectronic Engineering</i> , <b>2008</b> , 85, 1120-1123	2.5	45
84	ISFET-based biosensor to monitor sugar metabolism in bacteria. <i>Materials Science and Engineering C</i> , <b>2008</b> , 28, 680-685	8.3	20
83	Focused ion beam production of nanoelectrode arrays. <i>Materials Science and Engineering C</i> , <b>2008</b> , 28, 777-780	8.3	17
82	Novel methods to pattern polymers for microfluidics. <i>Microelectronic Engineering</i> , <b>2008</b> , 85, 972-975	2.5	4
81	Na <sup>+</sup> -Implanted Membrane for a Capacitive Sodium Electrolyte-Insulator-Semiconductor Microsensors. <i>Sensor Letters</i> , <b>2008</b> , 6, 204-208	0.9	3
80	Piezoresistive Microcantilevers for Biomolecular Force Detection <b>2007</b> ,		3
79	DRIE based novel technique for AFM probes fabrication. <i>Microelectronic Engineering</i> , <b>2007</b> , 84, 1132-1135	5.5	12
78	Response of carbon nanotube transistors to electron beam exposure. <i>Microelectronic Engineering</i> , <b>2007</b> , 84, 1596-1600	2.5	8
77	Integrated cell positioning and cell-based ISFET biosensors. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 120, 615-620	8.5	50
76	Sodium ion sensitive microelectrode based on a p-tert-butylcalix[4]arene ethyl ester. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> ,	8.5	1
75	Development of bi-enzyme microbiosensor based on solid-contact ion-selective microelectrodes for protein detection. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 123, 1096-1100	8.5	6
74	All-solid-state hydrogen sensing microelectrodes based on novel PPy[3,3'-Co(1,2-C <sub>2</sub> B <sub>9</sub> H <sub>11</sub> ) <sub>2</sub> ] as a solid internal contact. <i>Materials Science and Engineering C</i> , <b>2006</b> , 26, 399-404	8.3	31
73	Novel all-solid-state copper(II) microelectrode based on a dithiomacrocyclic as a neutral carrier. <i>Electrochimica Acta</i> , <b>2006</b> , 51, 5070-5074	6.7	26
72	Advances in the production, immobilization, and electrical characterization of olfactory receptors for olfactory nanobiosensor development. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 116, 66-71	8.5	37
71	Nanostructuring of Langmuir-Blodgett Films Containing a Novel Thiomacrocyclic Ionophore on Si <sub>3</sub> N <sub>4</sub> /SiO <sub>2</sub> /Si for Copper Ion Recognition. <i>Analytical Letters</i> , <b>2006</b> , 39, 1709-1720	2.2	6

70	Potassium-ion selective solid contact microelectrode based on a novel 1,3-(di-4-oxabutanol)-calix[4]arene-crown-5 neutral carrier. <i>Electrochimica Acta</i> , <b>2006</b> , 51, 5075-5079	6.7	35
69	Protein detection based on microelectrodes with the PPy[3,3-Co(1,2-C2B9H11)]2 solid contact and immobilized proteinases: Preliminary investigations. <i>Materials Science and Engineering C</i> , <b>2006</b> , 26, 574-577	8.3	13
68	Integrated microanalytical system based on electrochemical detection and cell positioning. <i>Materials Science and Engineering C</i> , <b>2006</b> , 26, 405-410	8.3	12
67	New membrane for copper-selective electrode incorporating a new thiophosphoril-containing macrocycle as neutral carrier. <i>Materials Science and Engineering C</i> , <b>2006</b> , 26, 394-398	8.3	21
66	Deep reactive ion etching and focused ion beam combination for nanotip fabrication. <i>Materials Science and Engineering C</i> , <b>2006</b> , 26, 164-168	8.3	12
65	Piezoresistive cantilevers in a commercial CMOS technology for intermolecular force detection. <i>Microelectronic Engineering</i> , <b>2006</b> , 83, 1302-1305	2.5	19
64	Transfer of small structures by bonding. <i>Microsystem Technologies</i> , <b>2006</b> , 12, 455-461	1.7	
63	Production of structures for microfluidics using polymer imprint techniques. <i>Microelectronic Engineering</i> , <b>2005</b> , 78-79, 695-700	2.5	45
62	FET-Based Chemical Sensor Systems Fabricated with Standard Technologies. <i>Electroanalysis</i> , <b>2004</b> , 16, 1843-1851	3	29
61	Study of mixed Langmuir-Blodgett films of immunoglobulin G/amphiphile and their application for immunosensor engineering. <i>Biosensors and Bioelectronics</i> , <b>2004</b> , 20, 1126-33	11.8	29
60	Hydrogen-selective microelectrodes based on silicon needles. <i>Sensors and Actuators B: Chemical</i> , <b>2003</b> , 91, 76-82	8.5	39
59	Autodoor. Microsystem for Automotiove Door Module <b>2003</b> , 409-420		
58	Analytical features of K+-sensitive membrane obtained by implantation in silicon dioxide films. <i>Materials Science and Engineering C</i> , <b>2002</b> , 21, 9-13	8.3	17
57	SIXE: An X-Ray Experiment for the MINISAT Platform. <i>Astrophysics and Space Science</i> , <b>2001</b> , 276, 39-48	1.6	4
56	New technology for multi-sensor silicon needles for biomedical applications. <i>Sensors and Actuators B: Chemical</i> , <b>2001</b> , 78, 279-284	8.5	52
55	Dynamic checking improves MEMS design methodology <b>2000</b> , 4019, 266		
54	Improvement of the quality factor of RF integrated inductors by layout optimization. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2000</b> , 48, 76-83	4.1	148
53	SCREENING OF THE PHOTON FIELD IN SURFACE PHOTOEMISSION FROM SIMPLE METALS. <i>Surface Review and Letters</i> , <b>2000</b> , 07, 243-255	1.1	



52	Ion-sensitive field-effect transistors fabricated in a commercial CMOS technology. <i>Sensors and Actuators B: Chemical</i> , <b>1999</b> , 57, 56-62	8.5	236
51	A simple REFET for pH detection in differential mode. <i>Sensors and Actuators B: Chemical</i> , <b>1999</b> , 60, 43-48	8.5	48
50	Nonlocal Screening of the Photon Fields in Surface Photoemission from Simple Metals. <i>Surface Review and Letters</i> , <b>1998</b> , 05, 527-536	1.1	1
49	Study of integrated RF passive components performed using CMOS and Si micromachining technologies. <i>Journal of Micromechanics and Microengineering</i> , <b>1997</b> , 7, 162-164	2	19
48	Electrochemical etching of porous silicon sacrificial layers for micromachining applications. <i>Journal of Micromechanics and Microengineering</i> , <b>1997</b> , 7, 131-132	2	11
47	Improvement of the porous silicon sacrificial-layer etching for micromachining applications. <i>Sensors and Actuators A: Physical</i> , <b>1997</b> , 62, 676-679	3.9	11
46	Mechanical sensors integrated in a commercial CMOS technology. <i>Sensors and Actuators A: Physical</i> , <b>1997</b> , 62, 698-704	3.9	6
45	Perchlorate-selective MEMFETs and ISEs based on a new phosphadithiamacrocycle. <i>Sensors and Actuators B: Chemical</i> , <b>1997</b> , 43, 206-210	8.5	19
44	Application of a new phosphadithiamacrocycle to ClO <sub>4</sub> <sup>-</sup> -selective CHEMFET and ion-selective electrode devices. <i>Analytica Chimica Acta</i> , <b>1996</b> , 320, 63-68	6.6	38
43	Bulk silicon microelectromechanical devices fabricated from commercial bonded and etched-back silicon-on-insulator substrates. <i>Sensors and Actuators A: Physical</i> , <b>1995</b> , 50, 99-103	3.9	19
42	Application of simple thioether ionophores to silver ion-selective CHEMFETs. <i>Sensors and Actuators B: Chemical</i> , <b>1995</b> , 27, 321-324	8.5	13
41	Application of nickel electroless plating to the fabrication of low-cost backside contact ISFETs. <i>Sensors and Actuators B: Chemical</i> , <b>1995</b> , 27, 336-340	8.5	14
40	Anisotropic etch-stop properties of nitrogen-implanted silicon. <i>Sensors and Actuators A: Physical</i> , <b>1994</b> , 45, 219-225	3.9	3
39	Response of simple-metal plane surfaces. <i>Surface Science</i> , <b>1993</b> , 292, 159-170	1.8	6
38	Relation between electrical conductivity and structural characteristics in boron-doped LPCVD polycrystalline silicon used in sensor devices. <i>Sensors and Actuators A: Physical</i> , <b>1993</b> , 37-38, 68-73	3.9	
37	Stress in low pressure chemical vapour deposition polycrystalline silicon thin films deposited below 0.1 Torr. <i>Sensors and Actuators A: Physical</i> , <b>1993</b> , 37-38, 723-726	3.9	9
36	TMAH/IPA anisotropic etching characteristics. <i>Sensors and Actuators A: Physical</i> , <b>1993</b> , 37-38, 737-743	3.9	126
35	Passivation analysis of micromechanical silicon structures obtained by electrochemical etch stop. <i>Sensors and Actuators A: Physical</i> , <b>1993</b> , 37-38, 744-750	3.9	14



34	Etching front control of strips for corner compensation. <i>Sensors and Actuators A: Physical</i> , <b>1993</b> , 37-38, 727-732	3.9	48
33	Effect of boron implantation on the structure and residual stress of LPCVD polysilicon films. <i>Journal of Micromechanics and Microengineering</i> , <b>1992</b> , 2, 170-172	2	3
32	A study of the undercutting characteristics in the TMAH-IPA system. <i>Journal of Micromechanics and Microengineering</i> , <b>1992</b> , 2, 181-183	2	34
31	Stress Compensation Techniques in Thin Layers Applied to Silicon Micromachining. <i>Materials Research Society Symposia Proceedings</i> , <b>1992</b> , 284, 119		1
30	A high-frequency bidirectional capacitance method to study the evolution of the interface state density generated at low temperatures. <i>Solid-State Electronics</i> , <b>1992</b> , 35, 73-81	1.7	2
29	Analysis by FT-IR spectroscopy of SiO <sub>2</sub> -polycrystalline structures used in micromechanics: Stress measurements. <i>Sensors and Actuators A: Physical</i> , <b>1992</b> , 32, 347-353	3.9	8
28	Flow-through pH-ISFET + reference-ISE as integrated detector in automated FIA determinations. <i>Sensors and Actuators B: Chemical</i> , <b>1992</b> , 7, 555-560	8.5	15
27	Modelization and fabrication of ISFET based sensors. <i>Microelectronic Engineering</i> , <b>1991</b> , 15, 423-426	2.5	2
26	Limitations of the spreading resistance technique for ion implant profile measurements. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1991</b> , 55, 261-265	1.2	
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4	Impedance microprobes for myocardial ischemia monitoring		8
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