

# Marco Sampietro

## List of Publications by Year in descending order

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285  
papers

6,968  
citations

57758

44  
h-index

85541

71  
g-index

287  
all docs

287  
docs citations

287  
times ranked

6611  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impedance Spectroscopy for Biosensing: Circuits and Applications. , 2022, , 87-110.		0
2	High-sensitivity transparent photoconductors in voltage-controlled silicon waveguides. Optics Letters, 2022, 47, 1327.	3.3	4
3	Differential Impedance Sensing platform for high selectivity antibody detection down to few counts: A case study on Dengue Virus. Biosensors and Bioelectronics, 2022, 202, 113996.	10.1	9
4	Active Opto-Magnetic Biosensing with Silicon Microring Resonators. Sensors, 2022, 22, 3292.	3.8	1
5	Differential Impedance Biosensing platform for early diagnosis of viral infections. , 2022, , .		0
6	Broadband stimulated Raman imaging based on multi-channel lock-in detection for spectral histopathology. APL Photonics, 2022, 7, .	5.7	12
7	1/f Noise Characteristics of Waveguide-Integrated PbTe MIR Detectors and Impact on Limit of Detection. Journal of Lightwave Technology, 2021, 39, 7326-7333.	4.6	3
8	Platinum diimine-dithiolate complexes as a new class of photoconducting compounds for pristine photodetectors: case study on [Pt(bipy)(Naph-edt)] (bipy = 2,2'-bipyridine; Naph-edt = 2,2'-naphthalene-1,3,5-tricarboxylic acid) Tj ETQq 0.0 0 rgBT5/Overlock	0.0	0
9	Dithering-based real-time control of cascaded silicon photonic devices by means of non-invasive detectors. IET Optoelectronics, 2021, 15, 111-120.	3.3	13
10	Electronics-photonics co-design for robust control of optical devices in dense integrated photonic circuits. , 2021, , .		0
11	A Lab-on-a-chip Tool for Rapid, Quantitative, and Stage-selective Diagnosis of Malaria. Advanced Science, 2021, 8, 2004101.	11.2	6
12	Four-Channel Differential Lock-in Amplifiers With Autobalancing Network for Stimulated Raman Spectroscopy. IEEE Journal of Solid-State Circuits, 2021, 56, 1859-1870.	5.4	10
13	Reconfigurable FSR-free microring resonator filter with wide hitless tunability. , 2021, , .		1
14	Diagnosis of Malaria: A Lab-on-a-chip Tool for Rapid, Quantitative, and Stage-selective Diagnosis of Malaria (Adv. Sci. 14/2021). Advanced Science, 2021, 8, 2170087.	11.2	0
15	Polarization-transparent silicon photonic add-drop multiplexer with wideband hitless tuneability. Nature Communications, 2021, 12, 4324.	12.8	28
16	Impedance-based real-time monitoring of neural stem cell differentiation. Journal of Electrical Bioimpedance, 2021, 12, 34-49.	0.9	1
17	Electrical conductance of silicon photonic waveguides. Optics Letters, 2021, 46, 17.	3.3	4
18	Digital count of antibodies through differential impedance for high-resolution immunosensing. , 2021, , .		1

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19	A Squarewave-Based Multi-Frequency Impedance Analyzer Based on the Heterodyne Architecture. , 2021, , ,		0
20	Self-Stabilized Silicon Mach-Zehnder Interferometers by Integrated CMOS Controller. , 2021, , ,		1
21	WDM-Based Silicon Photonic Multi-Socket Interconnect Architecture With Automated Wavelength and Thermal Drift Compensation. Journal of Lightwave Technology, 2020, 38, 6000-6006.	4.6	15
22	Wide Dynamic Range Multichannel Lock-In Amplifier for Contactless Optical Sensors With Sub-pS Resolution. IEEE Solid-State Circuits Letters, 2020, 3, 246-249.	2.0	7
23	High-Speed and Low-Noise Multichannel System for Broadband Coherent Raman Imaging. , 2020, , ,		2
24	Monitoring cell endocytosis of liposomes by real-time electrical impedance spectroscopy. Analytical and Bioanalytical Chemistry, 2020, 412, 6371-6380.	3.7	6
25	High-Value Tunable Pseudo-Resistors Design. IEEE Journal of Solid-State Circuits, 2020, 55, 2094-2105.	5.4	49
26	Control and Calibration Recipes for Photonic Integrated Circuits. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-10.	2.9	34
27	Photoconducting Devices with Response in the Visible–Near-Infrared Region Based on Neutral Ni Complexes of Aryl-1,2-dithiolene Ligands. Inorganic Chemistry, 2020, 59, 6410-6421.	4.0	7
28	Automated Thermal Drift Compensation in WDM-based Silicon Photonic Multi-Socket Interconnect Systems. , 2020, , ,		1
29	Automatic Tuning of Silicon Photonics Microring Filter Array for Hitless Reconfigurable Add–Drop. Journal of Lightwave Technology, 2019, 37, 3939-3947.	4.6	22
30	Multi-channel lock-in based differential front-end for broadband Raman spectroscopy. The Integration VLSI Journal, 2019, 67, 44-49.	2.1	6
31	A Laser Diode-Based Wireless Optogenetic Headstage. , 2018, , ,		4
32	Lock-In Based Differential Front-End For Raman Spectroscopy Applications. , 2018, , ,		2
33	Single-Chip CMOS Capacitive Sensor for Ubiquitous Dust Detection and Granulometry with Sub-micrometric Resolution. Lecture Notes in Electrical Engineering, 2018, , 8-18.	0.4	6
34	Automatic Tuning of Microring-Based Hitless Reconfigurable Add-Drop Filters. , 2018, , ,		5
35	Emerging miniaturized technologies for airborne particulate matter pervasive monitoring. Measurement: Journal of the International Measurement Confederation, 2017, 101, 250-256.	5.0	48
36	Towards a magnetoresistive platform for neural signal recording. AIP Advances, 2017, 7, ,	1.3	5

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37	Wavelength Locking of Silicon Photonics Multiplexer for DML-Based WDM Transmitter. Journal of Lightwave Technology, 2017, 35, 607-614.	4.6	10
38	Design Guidelines for Contactless Integrated Photonic Probes in Dense Photonic Circuits. Journal of Lightwave Technology, 2017, 35, 3042-3049.	4.6	15
39	Highly Sensitive Magnetic Array-based Platform for Neuronal Signal Recording. Procedia Technology, 2017, 27, 292-294.	1.1	0
40	Integrated platform for detecting pathogenic DNA via magnetic tunneling junction-based biosensors. Sensors and Actuators B: Chemical, 2017, 242, 280-287.	7.8	45
41	Miniaturized Impedance Flow Cytometer: Design Rules and Integrated Readout. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 1438-1449.	4.0	45
42	Unscrambling light automatically undoing strong mixing between modes. Light: Science and Applications, 2017, 6, e17110-e17110.	16.6	149
43	16-Channel modular platform for automatic control and reconfiguration of complex photonic circuits. , 2017, , .		8
44	On-Chip OSNR Monitoring With Silicon Photonics Transparent Detector. IEEE Photonics Technology Letters, 2017, 29, 2155-2158.	2.5	2
45	Multipoint Platform for Control and Routing of Complex Silicon Photonic Circuits with Non-Invasive Probes. , 2016, , .		0
46	On-Chip Magnetic Platform for Single-Particle Manipulation with Integrated Electrical Feedback. Small, 2016, 12, 921-929.	10.0	15
47	Automatic control of the silicon microring OSR and multiplexer in DML-based WDM transmitter for 40G TWDM-PON OLT. , 2016, , .		0
48	Parallelizable Microfluidic Resistive On-Line Detector of Micrometric Aggregates of Biopharmaceutical Antibodies. Procedia Engineering, 2016, 168, 1438-1441.	1.2	2
49	Note: Differential configurations for the mitigation of slow fluctuations limiting the resolution of digital lock-in amplifiers. Review of Scientific Instruments, 2016, 87, 026102.	1.3	24
50	Inkjet printed polymeric electron blocking and surface energy modifying layer for low dark current organic photodetectors. Organic Electronics, 2016, 36, 29-34.	2.6	30
51	28.7 CMOS monolithic airborne-particulate-matter detector based on 32 capacitive sensors with a resolution of 65zF rms. , 2016, , .		9
52	Multichannel 65 zF rms Resolution CMOS Monolithic Capacitive Sensor for Counting Single Micrometer-Sized Airborne Particles on Chip. IEEE Journal of Solid-State Circuits, 2016, 51, 2545-2553.	5.4	59
53	Automated Routing and Control of Silicon Photonic Switch Fabrics. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 169-176.	2.9	45
54	Impedance-Sensing CMOS Chip for Noninvasive Light Detection in Integrated Photonics. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 929-933.	3.0	20

#	ARTICLE	IF	CITATIONS
55	ContactLess Integrated Photonic Probe: Concept, Technology and Applications. , 2016, , .		2
56	Wavelength Locking Platform for DML-based Multichannel Transmitter on a Silicon Chip. , 2016, , .		3
57	Feedback and control in integrated optics enabled by contactLess integrated photonic probe. Proceedings of SPIE, 2015, , .	0.8	0
58	32-Channel low-noise lock-in ASIC for non-invasive light detection in silicon photonics. , 2015, , .		1
59	Low-noise instrument for non-invasive monitoring of photonic integrated circuits. , 2015, , .		0
60	Feedback-controlled tuning, switching, and locking of photonic integrated circuits. , 2015, , .		1
61	The role of micro-scale current sensing in biomedicine: A unifying view and design guidelines. , 2015, 2015, 3201-4.		0
62	ContactLess Integrated Photonic Probe for light monitoring in indium phosphideâ€¢based devices. IET Optoelectronics, 2015, 9, 146-150.	3.3	10
63	Printed photodetectors. Semiconductor Science and Technology, 2015, 30, 104006.	2.0	33
64	Fiber-to-Waveguide Alignment Assisted by a Transparent Integrated Light Monitor. IEEE Photonics Technology Letters, 2015, 27, 510-513.	2.5	15
65	Hitless Monitoring of Wavelength and Mode-Division Multiplexed Channels on a Silicon Photonic Chip. , 2015, , .		1
66	Impedance Spectroscopy for Biosensing: Circuits and Applications. , 2015, , 1-24.		2
67	Light-Path Tracking and Circuit Reconfiguration of Silicon Photonic Circuits Assisted by Non-Invasive Optical Probes. , 2015, , .		0
68	A 12-channel dual-lock-in platform for magneto-resistive DNA detection with ppm resolution. , 2014, , .		8
69	Non-invasive monitoring and control in silicon photonics using CMOS integrated electronics. Optica, 2014, 1, 129.	9.3	100
70	A compact multifunctional microfluidic platform for exploring cellular dynamics in real-time using electrochemical detection. RSC Advances, 2014, 4, 63761-63771.	3.6	19
71	Non-Invasive On-Chip Light Observation by Contactless Waveguide Conductivity Monitoring. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 292-301.	2.9	122
72	CMOS Impedance Analyzer for Nanosamples Investigation Operating up to 150 MHz With Sub-aF Resolution. IEEE Journal of Solid-State Circuits, 2014, 49, 2748-2757.	5.4	25

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73	Towards the impedimetric tracking of single magnetically trailed microparticles. , 2014, , .		2
74	Capacitive detection of micrometric airborne particulate matter for solid-state personal air quality monitors. Sensors and Actuators A: Physical, 2014, 219, 80-87.	4.1	49
75	Non-invasive monitoring of silicon microring resonators through contactless integrated photonics probes. , 2014, , .		1
76	All-Organic and Fully-Printed Semitransparent Photodetectors Based on Narrow Bandgap Conjugated Molecules. Advanced Materials, 2014, 26, 6773-6777.	21.0	88
77	Fiber to silicon waveguide automated coupling driven by a transparent on-chip light monitor. , 2014, , .		1
78	Impedance-based Transparent Monitoring of Light for Local Control of Integrated Photonic Circuits. Procedia Engineering, 2014, 87, 1545-1548.	1.2	1
79	Wavelength locking of a silicon microring resonator assisted by ContactLess Integrated Photonic Probe. , 2014, , .		1
80	Automated Fiber-to-Waveguide Coupling Assisted by a Non-Invasive Integrated Light Monitor. , 2014, , .		0
81	Feedback Control of Silicon Microrings by Non-Invasive Photonic Probe. , 2014, , .		0
82	Doped overoxidized polypyrrole microelectrodes as sensors for the detection of dopamine released from cell populations. Analyst, The, 2013, 138, 3651.	3.5	64
83	Integration of an Organic Photodetector onto a Plastic Optical Fiber by Means of Spray Coating Technique. Advanced Materials, 2013, 25, 4335-4339.	21.0	55
84	Design and characterization of a current sensing platform for silicon-based nanopores with integrated tunneling nanoelectrodes. Analog Integrated Circuits and Signal Processing, 2013, 77, 333-343.	1.4	16
85	Fully Inkjet-Printed Organic Photodetectors with High Quantum Yield. Advanced Materials, 2013, 25, 6829-6833.	21.0	134
86	Femtoampere integrated current preamplifier for low noise and wide bandwidth electrochemistry with nanoelectrodes. Electrochimica Acta, 2013, 112, 950-956.	5.2	12
87	Organic Photodetectors: Fully Inkjet-Printed Organic Photodetectors with High Quantum Yield (Adv.) Tj ETQq1 1 0,784314rgBT /Over	21.0	1
88	CMOS current amplifier for AFM impedance sensing on chip with ZeptoFarad resolution. , 2013, , .		2
89	Hopping photoconductivity in an exponential density of states. Applied Physics Letters, 2012, 101, 103307.	3.3	19
90	Multi-Layer Organic Squaraine-Based Photodiode for Indirect X-Ray Detection. IEEE Transactions on Nuclear Science, 2012, 59, 1862-1867.	2.0	11

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91	Keeping Capacitance Small: The Quest to Integrate Electronics on High-Resistivity, Fully Depleted Detectors. IEEE Solid-State Circuits Magazine, 2012, 4, 60-64.	0.4	1
92	Compact potentiostat for cellular electrochemical imaging with 54 parallel channels. , 2012, , .		3
93	Quantitative Label-Free Cell Proliferation Tracking with a Versatile Electrochemical Impedance Detection Platform. Journal of Physics: Conference Series, 2012, 407, 012029.	0.4	7
94	Panchromatic squaraine compounds for broad band light harvesting electronic devices. Journal of Materials Chemistry, 2012, 22, 6704.	6.7	45
95	Accuracy and resolution limits in quartz and silicon substrates with microelectrodes for electrochemical biosensors. Sensors and Actuators B: Chemical, 2012, 174, 168-175.	7.8	25
96	Multichannel Bipotentiostat Integrated With a Microfluidic Platform for Electrochemical Real-Time Monitoring of Cell Cultures. IEEE Transactions on Biomedical Circuits and Systems, 2012, 6, 498-507.	4.0	50
97	Compact FPGA-based elaboration platform for wide-bandwidth electrochemical measurements. , 2012, , .		10
98	Real-Time Data Fusion and MEMS Sensors Fault Detection in an Aircraft Emergency Attitude Unit Based on Kalman Filtering. IEEE Sensors Journal, 2012, 12, 2984-2992.	4.7	38
99	Handheld bio-impedance measurement system based on an instrument-on-chip. , 2011, , .		8
100	Biosensors and Molecular Imaging. IEEE Pulse, 2011, 2, 35-40.	0.3	0
101	Handheld 2-channel impedimetric cell counting system with embedded real-time processing. , 2011, , .		2
102	ZeptoFarad capacitance detection with a miniaturized CMOS current front-end for nanoscale sensors. Sensors and Actuators A: Physical, 2011, 172, 117-123.	4.1	45
103	High detectivity squaraine-based near infrared photodetector with nA/cm <sup>2</sup> dark current. Applied Physics Letters, 2011, 98, 073303.	3.3	94
104	ZeptoFarad resolution CMOS read-out circuit for nanosensors. Procedia Engineering, 2010, 5, 1123-1126.	1.2	0
105	Organic based photodetectors: Suitability for X- and $\gamma$ -rays sensing application. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 624, 443-448.	1.6	22
106	An instrument-on-chip for impedance measurements on nanobiosensors with attoFarad resolution. , 2009, , .		15
107	Squaraine-based organic photodetector coupled to a scintillating crystal for X-ray sensing applications. , 2009, , .		4
108	Multi layer structure for encapsulation of organic transistors. Organic Electronics, 2009, 10, 692-695.	2.6	16

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109	Fast and air stable near-infrared organic detector based on squaraine dyes. <i>Organic Electronics</i> , 2009, 10, 1314-1319.	2.6	58
110	Fault detection and isolation enhancement of an aircraft attitude and heading reference system based on MEMS inertial sensors. <i>Procedia Chemistry</i> , 2009, 1, 509-512.	0.7	7
111	Attofarad resolution potentiostat for electrochemical measurements on nanoscale biomolecular interfacial systems. <i>Review of Scientific Instruments</i> , 2009, 80, 124701.	1.3	17
112	Quantitative Nanoscale Dielectric Microscopy of Single-Layer Supported Biomembranes. <i>Nano Letters</i> , 2009, 9, 1604-1608.	9.1	104
113	Suitability of 3,4-dialkyl substitution in molecular crystal based on thiophene-fluorenone for organic field effect transistors. <i>Synthetic Metals</i> , 2009, 159, 513-517.	3.9	12
114	Transimpedance Amplifier for High Sensitivity Current Measurements on Nanodevices. <i>IEEE Journal of Solid-State Circuits</i> , 2009, 44, 1609-1616.	5.4	138
115	Nanoscale electrical properties of cluster-assembled palladium oxide thin films. <i>Physical Review B</i> , 2009, 79, .	3.2	12
116	Ultra-low-noise CMOS current preamplifier from DC to 1MHz. <i>Electronics Letters</i> , 2009, 45, 1278.	1.0	47
117	Instrumentation with attoFarad resolution for electrochemical impedance measurements on molecular biosensors. , 2009, , .		0
118	Transimpedance Amplifiers for Extremely High Sensitivity Impedance Measurements on Nanodevices. , 2009, , 193-207.		0
119	Three-levels conductance switching in an organic memory cell. <i>Thin Solid Films</i> , 2008, 516, 7680-7684.	1.8	8
120	Nanobiosensors based on individual olfactory receptors. <i>Analog Integrated Circuits and Signal Processing</i> , 2008, 57, 197-203.	1.4	18
121	Effect of the silanization and annealing on the morphology of thin poly(3-hexylthiophene) (P3HT) layer on silicon oxide. <i>Surface Science</i> , 2008, 602, 3106-3115.	1.9	27
122	$\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si84.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Al} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:m} \rangle$ as gate dielectric for organic transistors: Charge transport phenomena in poly-(3-hexylthiophene) based devices. <i>Organic Electronics</i> , 2008, 9, 198-208.	2.6	41
123	A planar organic near infrared light detector based on bulk heterojunction of a heteroquaterphenoquinone and poly[2-methoxy-5-(2-ethyl-hexyloxy)-1, 4-phenylene vinylene]. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	27
124	Transimpedance amplifier for very high sensitivity current detection over 5MHz bandwidth. , 2008, , .		7
125	Effect of microwave irradiation on the emission and capture dynamics in silicon metal oxide semiconductor field effect transistors. <i>Journal of Applied Physics</i> , 2008, 103, 104502.	2.5	10
126	Dependence of the mobility on charge carrier density and electric field in poly(3-hexylthiophene) based thin film transistors: Effect of the molecular weight. <i>Journal of Applied Physics</i> , 2008, 104, 084513.	2.5	37



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127	Giant random telegraph signal generated by single charge trapping in submicron n-metal-oxide-semiconductor field-effect transistors. <i>Journal of Applied Physics</i> , 2008, 103, 123707.	2.5	17
128	Modeling of organic thin film transistors: Effect of contact resistances. <i>Journal of Applied Physics</i> , 2007, 101, 014501.	2.5	133
129	Dielectric-constant measurement of thin insulating films at low frequency by nanoscale capacitance microscopy. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	127
130	Correlation technique to reach ultimate resolution in noise measurements. , 2007, 6600, 520.		0
131	External quantum efficiency versus charge carriers mobility in polythiophene/methanofullerene based planar photodetectors. <i>Journal of Applied Physics</i> , 2007, 102, 024503.	2.5	27
132	AC and DC electrical imaging of biosamples at the nanoscale by Atomic Force Microscopy. <i>Journal of Physics: Conference Series</i> , 2007, 61, 185-189.	0.4	0
133	Trapping effects on the frequency response of dithiolene-based planar photodetectors. <i>Synthetic Metals</i> , 2007, 157, 984-987.	3.9	11
134	Space charge effects on the active region of a planar organic photodetector. <i>Journal of Applied Physics</i> , 2007, 101, 114504.	2.5	32
135	Wide bandwidth transimpedance amplifier for extremely high sensitivity continuous measurements. <i>Review of Scientific Instruments</i> , 2007, 78, 094703.	1.3	48
136	First example of a near-IR photodetector based on neutral [M(R-dmet) <sub>2</sub> ] bis(1,2-dithiolene) metal complexes. <i>Inorganic Chemistry Communication</i> , 2007, 10, 191-194.	3.9	31
137	Atomic layer deposited Al <sub>2</sub> O <sub>3</sub> as a capping layer for polymer based transistors. <i>Organic Electronics</i> , 2007, 8, 407-414.	2.6	65
138	Microwave irradiation effects on random telegraph signal in a MOSFET. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 370, 491-493.	2.1	22
139	Advances in the production, immobilization, and electrical characterization of olfactory receptors for olfactory nanobiosensor development. <i>Sensors and Actuators B: Chemical</i> , 2006, 116, 66-71.	7.8	42
140	Oligo- and polymeric FET devices: Thiophene-based active materials and their interaction with different gate dielectrics. <i>Materials Science and Engineering C</i> , 2006, 26, 996-1001.	7.3	9
141	Near-infrared photodetection with a diruthenium complex having redox-switchable wavelength response. <i>Optical Materials</i> , 2006, 28, 1362-1365.	3.6	3
142	Nanoscale capacitance imaging with attofarad resolution using ac current sensing atomic force microscopy. <i>Nanotechnology</i> , 2006, 17, 4581-4587.	2.6	76
143	Linear transconductor with rail-to-rail input swing for very large time constant applications. <i>Electronics Letters</i> , 2006, 42, 1069.	1.0	26
144	Effect of the triplet state on the random telegraph signal in Sin-MOSFETs. <i>Physical Review B</i> , 2006, 74, .	3.2	18

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145	Organic memory device based on 3,3-bis-(3,5-di-tert-butyl-4-methoxyphenyl)-2,2-bithiophene with high endurance and robustness to ambient air operation. Applied Physics Letters, 2006, 89, 2435-19.	3.3	22
146	Mobility anisotropy in Langmuir-Blodgett deposited poly(3-methoxypentyl-thiophene)-based thin film transistors. Thin Solid Films, 2005, 472, 238-241.	1.8	16
147	Fluorenone-thiophene derivative for organic field effect transistors: A combined structural, morphological and electrical study. Thin Solid Films, 2005, 492, 212-220.	1.8	27
148	Microwave Induced Effects on the Random Telegraph Signal in a MOSFET. AIP Conference Proceedings, 2005, , .	0.4	0
149	Modelization of Thermal Fluctuations in G Protein-Coupled Receptors. AIP Conference Proceedings, 2005, , .	0.4	3
150	Novel Transimpedance amplifier for Noise Measurements on Bio-Electronic devices. AIP Conference Proceedings, 2005, , .	0.4	2
151	Random Telegraph Signal In Si n-MOSFETs: A Way Towards Single Spin Resonance Detection. AIP Conference Proceedings, 2005, , .	0.4	3
152	High Magnetic Field Dependence of Capture/Emission Fluctuations of a Single Defect in Silicon MOSFETs. AIP Conference Proceedings, 2005, , .	0.4	2
153	Nanoscale electronic noise measurements. AIP Conference Proceedings, 2005, , .	0.4	2
154	dc modulation in field-effect transistors operating under microwave irradiation for quantum readout. Journal of Applied Physics, 2005, 98, 044505.	2.5	10
155	Characterization of a CZT focal plane small prototype for hard X-ray telescope. IEEE Transactions on Nuclear Science, 2005, 52, 3091-3095.	2.0	24
156	Microwave power detector based on a single MOSFET in standard technology. , 2005, , .		3
157	CMOS fully compatible microwave detector based on MOSFET operating in resistive regime. IEEE Microwave and Wireless Components Letters, 2005, 15, 445-447.	3.2	23
158	Near infrared detection by means of coordination complexes. Synthetic Metals, 2005, 153, 273-276.	3.9	9
159	Shot Noise in Linear Macroscopic Resistors. Physical Review Letters, 2004, 92, 226601.	7.8	17
160	Noise selection in multielectrode devices by using a correlation spectrum analyzer. Review of Scientific Instruments, 2004, 75, 5367-5369.	1.3	0
161	New developments in CVD diamond for detector applications. European Physical Journal C, 2004, 33, s1014-s1016.	3.9	7
162	Low power BiCMOS ASIC for wide energy range X-ray imaging and spectroscopic detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 465-467.	1.6	6

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163	Monoreduced [M(R,R'-timdt) <sub>2</sub> ] <sup>+</sup> dithiolenes (M = Ni, Pd, Pt; R,R'-timdt = disubstituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 window. Chemical Communications, 2004, , 1882-1883.	4.1	34
164	Organic photodetectors spectrally matched to optical fiber communication windows. , 2004, , .		1
165	Organic FET devices: structure-property relationship in evaporated films of three fluorenone derivatives. Synthetic Metals, 2004, 146, 259-263.	3.9	14
166	Correlation Spectrum Analyzer: Pringiples and Limits in Noise Measurements. , 2004, , 211-218.		0
167	The development of diamond tracking detectors for the LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 514, 79-86.	1.6	41
168	Status of the R&D activity on diamond particle detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 511, 124-131.	1.6	26
169	High stability X-ray spectroscopy system with on-chip front-end in charge amplifier configuration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 512, 207-212.	1.6	1
170	Detectors based on organic materials: status and perspectives. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 512, 419-426.	1.6	45
171	Wavelength-selective organic photodetectors for near-infrared applications based on novel neutral dithiolenes. Synthetic Metals, 2003, 137, 1489-1490.	3.9	22
172	Organic photodetectors: a possible technology for on-fiber receivers. , 2003, , .		0
173	On the origin of shot noise in CdTe detectors. Applied Physics Letters, 2003, 83, 2450-2452.	3.3	6
174	Field-dependent mobility from space-charge-limited current-voltage curves. Journal of Applied Physics, 2002, 92, 5310-5318.	2.5	35
175	Correlation spectrum analyzer for direct measurement of device current noise. Review of Scientific Instruments, 2002, 73, 2717-2723.	1.3	27
176	Conduction and degradation analysis of organic LEDs by current noise monitoring. , 2002, , .		1
177	Field-dependent mobility evaluation from steady-state space-charge-limited I-V curves. , 2002, 4464, 223.		0
178	A CVD diamond beam telescope for charged particle tracking. IEEE Transactions on Nuclear Science, 2002, 49, 1857-1862.	2.0	2
179	Photoinduced conductivity and nonlinear optical properties of [M(R,R'-timdt) <sub>2</sub> ] dithiolenes (M=Ni, Pd) Tj ETQq1 1 0.784314 rgBT /O photodetectors. Inorganic Chemistry Communication, 2002, 5, 869-872.	3.9	54
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