

Ravinder Dahiya

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4243135/ravinder-dahiya-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

251
papers

7,579
citations

43
h-index

81
g-index

339
ext. papers

10,293
ext. citations

6.7
avg, IF

7.12
L-index

#	Paper	IF	Citations
251	Tactile Sensing From Humans to Humanoids. <i>IEEE Transactions on Robotics</i> , 2010 , 26, 1-20	6.5	1052
250	Technologies for Printing Sensors and Electronics Over Large Flexible Substrates: A Review. <i>IEEE Sensors Journal</i> , 2015 , 15, 3164-3185	4	722
249	Directions Toward Effective Utilization of Tactile Skin: A Review. <i>IEEE Sensors Journal</i> , 2013 , 13, 4121-4138	3.8	276
248	Energy-Autonomous, Flexible, and Transparent Tactile Skin. <i>Advanced Functional Materials</i> , 2017 , 27, 1606287	15.6	188
247	Stretchable wireless system for sweat pH monitoring. <i>Biosensors and Bioelectronics</i> , 2018 , 107, 192-202	11.8	168
246	Energy autonomous electronic skin. <i>Npj Flexible Electronics</i> , 2019 , 3,	10.7	168
245	Robotic tactile perception of object properties: A review. <i>Mechatronics</i> , 2017 , 48, 54-67	3	161
244	Ultra-thin chips for high-performance flexible electronics. <i>Npj Flexible Electronics</i> , 2018 , 2,	10.7	151
243	Flexible Tactile Sensors Using Screen-Printed P(VDF-TrFE) and MWCNT/PDMS Composites. <i>IEEE Sensors Journal</i> , 2015 , 15, 3146-3155	4	137
242	Robotic Tactile Sensing 2013 ,		135
241	Flexible self-charging supercapacitor based on graphene-Ag-3D graphene foam electrodes. <i>Nano Energy</i> , 2018 , 51, 604-612	17.1	130
240	New materials and advances in making electronic skin for interactive robots. <i>Advanced Robotics</i> , 2015 , 29, 1359-1373	1.7	121
239	Metal oxides based electrochemical pH sensors: Current progress and future perspectives. <i>Progress in Materials Science</i> , 2020 , 109, 100635	42.2	119
238	Large-Area Soft e-Skin: The Challenges Beyond Sensor Designs. <i>Proceedings of the IEEE</i> , 2019 , 107, 2016-2033	10.33	117
237	A Wearable Supercapacitor Based on Conductive PEDOT:PSS-Coated Cloth and a Sweat Electrolyte. <i>Advanced Materials</i> , 2020 , 32, e1907254	24	115
236	Piezoelectric oxide semiconductor field effect transistor touch sensing devices. <i>Applied Physics Letters</i> , 2009 , 95, 034105	3.4	114
235	Printable stretchable interconnects. <i>Flexible and Printed Electronics</i> , 2017 , 2, 013003	3.1	107

234	Glycine-Chitosan-Based Flexible Biodegradable Piezoelectric Pressure Sensor. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9008-9016	9.5	107
233	Towards Tactile Sensing System on Chip for Robotic Applications. <i>IEEE Sensors Journal</i> , 2011 , 11, 3216-3226	10.7	107
232	Synthesis of Large Area Graphene for High Performance in Flexible Optoelectronic Devices. <i>Scientific Reports</i> , 2015 , 5, 16744	4.9	88
231	E-Skin: From Humanoids to Humans [Point of View]. <i>Proceedings of the IEEE</i> , 2019 , 107, 247-252	14.3	83
230	Tactile-Data Classification of Contact Materials Using Computational Intelligence. <i>IEEE Transactions on Robotics</i> , 2011 , 27, 635-639	6.5	81
229	Printed flexible electrochemical pH sensors based on CuO nanorods. <i>Sensors and Actuators B: Chemical</i> , 2018 , 263, 50-58	8.5	75
228	Textile-Based Potentiometric Electrochemical pH Sensor for Wearable Applications. <i>Biosensors</i> , 2019 , 9,	5.9	74
227	Flexible potentiometric pH sensors for wearable systems.. <i>RSC Advances</i> , 2020 , 10, 8594-8617	3.7	70
226	Bendable Ultra-Thin Chips on Flexible Foils. <i>IEEE Sensors Journal</i> , 2013 , 13, 4030-4037	4	69
225	Nanowire FET Based Neural Element for Robotic Tactile Sensing Skin. <i>Frontiers in Neuroscience</i> , 2017 , 11, 501	5.1	67
224	Fingerprint-Enhanced Capacitive-Piezoelectric Flexible Sensing Skin to Discriminate Static and Dynamic Tactile Stimuli. <i>Advanced Intelligent Systems</i> , 2019 , 1, 1900051	6	59
223	Piezoelectric graphene field effect transistor pressure sensors for tactile sensing. <i>Applied Physics Letters</i> , 2018 , 113, 014102	3.4	58
222	Graphene-Graphite Polyurethane Composite Based High-Energy Density Flexible Supercapacitors. <i>Advanced Science</i> , 2019 , 6, 1802251	13.6	58
221	PDMS residues-free micro/macrostructures on flexible substrates. <i>Microelectronic Engineering</i> , 2015 , 136, 57-62	2.5	52
220	Flexible Electronic Skin: From Humanoids to Humans [Scanning the Issue]. <i>Proceedings of the IEEE</i> , 2019 , 107, 2011-2015	14.3	50
219	SPICE model for lossy piezoelectric polymers. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009 , 56, 387-95	3.2	50
218	Robotic Hands with Intrinsic Tactile Sensing via 3D Printed Soft Pressure Sensors. <i>Advanced Intelligent Systems</i> , 2020 , 2, 1900080	6	50
217	Flexible Pressure Sensors Based on Screen-Printed P(VDF-TrFE) and P(VDF-TrFE)/MWCNTs. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2015 , 28, 486-493	2.6	48

216	Printed Temperature Sensor Based on PEDOT: PSS-Graphene Oxide Composite. <i>IEEE Sensors Journal</i> , 2020 , 20, 7525-7531	4	48
215	Wafer Scale Transfer of Ultrathin Silicon Chips on Flexible Substrates for High Performance Bendable Systems. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700277	6.4	47
214	PEDOT:PSS Microchannel-Based Highly Sensitive Stretchable Strain Sensor. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000445	6.4	47
213	Large-Area Self-Assembly of Silica Microspheres/Nanospheres by Temperature-Assisted Dip-Coating. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3058-3068	9.5	46
212	CMOS Vertical Hall Magnetic Sensors on Flexible Substrate. <i>IEEE Sensors Journal</i> , 2016 , 16, 8736-8743	4	46
211	Smart Bandage With Wireless Strain and Temperature Sensors and Batteryless NFC Tag. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 5093-5100	10.7	46
210	Soft eSkin: distributed touch sensing with harmonized energy and computing. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190156	3	45
209	Fabrication of single crystal silicon micro-/nanostructures and transferring them to flexible substrates. <i>Microelectronic Engineering</i> , 2012 , 98, 502-507	2.5	44
208	Biodegradable Materials for Sustainable Health Monitoring Devices. <i>ACS Applied Bio Materials</i> , 2021 , 4, 163-194	4.1	42
207	. <i>IEEE Sensors Journal</i> , 2018 , 18, 7881-7888	4	41
206	TiO ₂ -Based Thick Film pH Sensor. <i>IEEE Sensors Journal</i> , 2017 , 17, 248-255	4	40
205	Tactile Sensing Chips With POSFET Array and Integrated Interface Electronics. <i>IEEE Sensors Journal</i> , 2014 , 14, 3448-3457	4	40
204	Modeling of CMOS Devices and Circuits on Flexible Ultrathin Chips. <i>IEEE Transactions on Electron Devices</i> , 2017 , 64, 2038-2046	2.9	39
203	Wearable Assistive Tactile Communication Interface Based on Integrated Touch Sensors and Actuators. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020 , 28, 1344-1352	4.8	37
202	Graphene Based Low Voltage Field Effect Transistor Coupled with Biodegradable Piezoelectric Material Based Dynamic Pressure Sensor. <i>ACS Applied Materials & Interfaces</i> , 2020 ,	9.5	36
201	Mesoporous chitosan based conformable and resorbable biostrip for dopamine detection. <i>Biosensors and Bioelectronics</i> , 2020 , 147, 111781	11.8	35
200	High-performance printed electronics based on inorganic semiconducting nano to chip scale structures. <i>Nano Convergence</i> , 2020 , 7, 33	9.2	34
199	Multifunctional sensor based on organic field-effect transistor and ferroelectric poly(vinylidene fluoride trifluoroethylene). <i>Organic Electronics</i> , 2018 , 56, 170-177	3.5	34

198	Flexible Printed Reference Electrodes for Electrochemical Applications. <i>Advanced Materials Technologies</i> , 2018 , 3, 1800252	6.8	34
197	Metal Coated Conductive Fabrics with Graphite Electrodes and Biocompatible Gel Electrolyte for Wearable Supercapacitors. <i>Advanced Materials Technologies</i> , 2020 , 5, 1901107	6.8	32
196	van der Waals Contact Engineering of Graphene Field-Effect Transistors for Large-Area Flexible Electronics. <i>ACS Nano</i> , 2019 , 13, 3257-3268	16.7	31
195	Bending induced electrical response variations in ultra-thin flexible chips and device modeling. <i>Applied Physics Reviews</i> , 2017 , 4, 031101	17.3	31
194	Developing Electronic Skin with the Sense of Touch. <i>Information Display</i> , 2015 , 31, 6-10	0.8	31
193	Flexible MISFET Devices From Transfer Printed Si Microwires and Spray Coating. <i>IEEE Journal of the Electron Devices Society</i> , 2016 , 4, 189-196	2.3	29
192	A unified contact force-dependent model for triboelectric nanogenerators accounting for surface roughness. <i>Nano Energy</i> , 2020 , 76, 105067	17.1	27
191	Device Modelling for Bendable Piezoelectric FET-Based Touch Sensing System. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2016 , 63, 2200-2208	3.9	25
190	Heterogeneous integration of contact-printed semiconductor nanowires for high-performance devices on large areas. <i>Microsystems and Nanoengineering</i> , 2018 , 4, 22	7.7	25
189	Origin of the contact force-dependent response of triboelectric nanogenerators. <i>Nano Energy</i> , 2021 , 83, 105829	17.1	25
188	Energy Autonomous Sweat-Based Wearable Systems. <i>Advanced Materials</i> , 2021 , 33, e2100899	24	25
187	SensAct: The Soft and Squishy Tactile Sensor with Integrated Flexible Actuator. <i>Advanced Intelligent Systems</i> , 2021 , 3, 1900145	6	24
186	Printed Chipless Antenna as Flexible Temperature Sensor. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 5101-5110	11	23
185	Chitosan-Graphene Oxide-Based Ultra-Thin and Flexible Sensor for Diabetic Wound Monitoring. <i>IEEE Sensors Journal</i> , 2020 , 20, 6794-6801	4	23
184	Screen Printed Thick Film Reference Electrodes for Electrochemical Sensing. <i>IEEE Sensors Journal</i> , 2018 , 18, 7779-7785	4	23
183	Energy Generating Electronic Skin With Intrinsic Tactile Sensing Without Touch Sensors. <i>IEEE Transactions on Robotics</i> , 2021 , 37, 683-690	6.5	22
182	Deposition, processing and characterization of P(VDF-TrFE) thin films for sensing applications 2008 ,		21
181	Tacsac: A Wearable Haptic Device with Capacitive Touch-Sensing Capability for Tactile Display. <i>Sensors</i> , 2020 , 20,	3.8	20

180	Temperature Compensated Tactile Sensing Using MOSFET With P(VDF-TrFE)/BaTiO ₃ Capacitor as Extended Gate. <i>IEEE Sensors Journal</i> , 2019 , 19, 435-442	4	20
179	Natural Jute Fibre-Based Supercapacitors and Sensors for Eco-Friendly Energy Autonomous Systems. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2000286	5.9	20
178	Omnidirectional Stretchable Inorganic-Material-Based Electronics with Enhanced Performance. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000058	6.4	19
177	POSFET Based Tactile Sensor Arrays 2007 ,		19
176	Triboelectric Nanogenerator With Enhanced Performance via an Optimized Low Permittivity Substrate. <i>IEEE Sensors Journal</i> , 2020 , 20, 6856-6862	4	19
175	Ultrathin Ion-Sensitive Field-Effect Transistor Chips with Bending-Induced Performance Enhancement. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 2601-2610	4	19
174	Nanoribbon-Based Flexible High-Performance Transistors Fabricated at Room Temperature. <i>Advanced Electronic Materials</i> , 2020 , 6, 1901023	6.4	18
173	Guest Editorial Special Issue on Robotic Sense of Touch 2011 , 27, 385-388		18
172	Probing with and into fingerprints. <i>Journal of Neurophysiology</i> , 2010 , 104, 1-3	3.2	18
171	Multifunctional Electronic Skin with a stack of Temperature and Pressure Sensor Arrays. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	18
170	Direct roll transfer printed silicon nanoribbon arrays based high-performance flexible electronics. <i>Npj Flexible Electronics</i> , 2021 , 5,	10.7	17
169	Wearable Capacitive-Based Wrist-Worn Gesture Sensing System 2017 ,		16
168	A wearable fabric-based RFID skin temperature monitoring patch 2016 ,		16
167	Rapid Assessment of SARS-CoV-2 Transmission Risk for Fecally Contaminated River Water. <i>ACS ES&T Water</i> , 2021 , 1, 949-957		16
166	POSFET devices based tactile sensing arrays 2010 ,		15
165	Ferroelectric-assisted high-performance triboelectric nanogenerators based on electrospun P(VDF-TrFE) composite nanofibers with barium titanate nanofillers. <i>Nano Energy</i> , 2021 , 90, 106600	17.1	15
164	Smart Tactile Gloves for Haptic Interaction, Communication, and Rehabilitation. <i>Advanced Intelligent Systems</i> , 2100091	6	15
163	Self-Powered Active Sensing based on Triboelectric Generator.. <i>Advanced Materials</i> , 2022 , e2200724	24	15

162	Microdroplet based disposable sensor patch for detection of Amylase in human blood serum. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112333	11.8	14
161	Flexible FETs using ultrathin Si microwires embedded in solution processed dielectric and metal layers. <i>Journal of Micromechanics and Microengineering</i> , 2015 , 25, 125019	2	14
160	Tactile Sensing Technologies 2013 , 79-136		14
159	Textile-Based Stretchable Microstrip Antenna with Intrinsic Strain Sensing. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 2233-2246	4	14
158	Towards bendable CMOS magnetic sensors 2015 ,		13
157	Epidermal electronics [Flexible electronics for biomedical applications]245-255		13
156	Development of fingertip tactile sensing chips for humanoid robots 2009 ,		13
155	Engineered chitosan for improved 3D tissue growth through Paxillin-FAK-ERK activation. <i>International Journal of Energy Production and Management</i> , 2020 , 7, 141-151	5.3	13
154	Multisensory Smart Glove for Tactile Feedback in Prosthetic Hand. <i>Procedia Engineering</i> , 2016 , 168, 1605-1608		13
153	Influence of solvent molecular geometry on the growth of nanostructures. <i>Journal of Colloid and Interface Science</i> , 2020 , 570, 322-331	9.3	12
152	Intelligent In-Vehicle Interaction Technologies. <i>Advanced Intelligent Systems</i> ,2100122	6	12
151	Integration Techniques for Micro/Nanostructure-based Large-Area Electronics 2018 ,		12
150	Touch Sensor Based on Flexible AlN Piezocapacitor Coupled With MOSFET. <i>IEEE Sensors Journal</i> , 2020 , 20, 6810-6817	4	12
149	GlasVent-The Rapidly Deployable Emergency Ventilator. <i>Global Challenges</i> , 2020 , 4, 2000046	4.3	11
148	. <i>IEEE Sensors Journal</i> , 2020 , 20, 5130-5138	4	11
147	Bio-inspired tactile sensing arrays 2009 ,		11
146	Ultra-Thin Silicon based Piezoelectric Capacitive Tactile Sensor. <i>Procedia Engineering</i> , 2016 , 168, 662-665		11
145	Disposable electrochemical sensor using Graphene oxide [chitosan modified carbon-based electrodes for the detection of tyrosine. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	11

144	Monolayer MoSe ₂ -Based Tunneling Field Effect Transistor for Ultrasensitive Strain Sensing. <i>IEEE Transactions on Electron Devices</i> , 2020 , 67, 2140-2146	2.9	10
143	Microdroplet-Based Organic Vapour Sensor on a Disposable GO-Chitosan Flexible Substrate. <i>IEEE Sensors Journal</i> , 2020 , 20, 7494-7502	4	10
142	SmartFingerBraille: A tactile sensing and actuation based communication glove for deafblind people 2017 ,		10
141	Conformable tactile sensing using screen printed P(VDF-TrFE) and MWCNT-PDMS composites 2014 ,		10
140	Connected Sensors, Innovative Sensor Deployment, and Intelligent Data Analysis for Online Water Quality Monitoring. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 13805-13824	10.7	10
139	Electronic Waste Reduction Through Devices and Printed Circuit Boards Designed for Circularity 2022 , 1, 4-23		10
138	Smart Bandage with Inductor-Capacitor Resonant Tank Based Printed Wireless Pressure Sensor on Electrospun Poly- L -Lactide Nanofibers. <i>Advanced Electronic Materials</i> ,2101348	6.4	10
137	Stretchable resistive pressure sensor based on CNT-PDMS nanocomposites 2015 ,		9
136	System approach: A paradigm for robotic tactile sensing 2008 ,		9
135	2007 ,		9
134	1D Semiconducting Nanostructures for Flexible and Large-Area Electronics: Growth Mechanisms and Suitability 2019 ,		9
133	Electronic Skin 2015 ,		8
132	Towards flexible asymmetric MSM structures using Si microwires through contact printing. <i>Semiconductor Science and Technology</i> , 2017 , 32, 085013	1.8	8
131	Upper limb prosthetic control using toe gesture sensors 2015 ,		8
130	Analysis of self-powered vibration-based energy scavenging system 2010 ,		8
129	Soft Capacitive Pressure Sensor with Enhanced Sensitivity assisted by ZnO NW Interlayers and Airgap. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	8
128	Bioinspired Distributed Energy in Robotics and Enabling Technologies. <i>Advanced Intelligent Systems</i> ,2100036	0.36	8
127	2019 ,		7

126	Graphene oxide-chitosan based flexible biosensor 2017 ,		7
125	Optimal geometry of CMOS voltage-mode and current-mode vertical magnetic hall sensors 2015 ,		7
124	Bendable ultra-thin silicon chips on foil 2012 ,		7
123	Piezoelectric polymer oxide semiconductor field effect transistor (POSFET) devices for touch sensing 2009 ,		7
122	SPICE model for Piezoelectric Bender Generators 2009 ,		7
121	2020 ,		7
120	Supercapacitor electrode fabrication through chemical and physical routes. <i>Journal of Power Sources</i> , 2022 , 519, 230744	8.9	7
119	Polydimethylsiloxane as polymeric protective coating for fabrication of ultra-thin chips. <i>Microelectronic Engineering</i> , 2020 , 221, 111157	2.5	7
118	3D Touch Surface for Interactive Pseudo-Holographic Displays. <i>Advanced Intelligent Systems</i> , 2020 , 20001626		7
117	3D Printed Interdigitated Capacitor based Tilt Sensor. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	7
116	Chitosan-Graphene Oxide Based Ultra-Thin Conformable Sensing Patch for Cell-Health Monitoring 2018 ,		7
115	Soft Robotic Finger with Integrated Stretchable Strain Sensor 2018 ,		7
114	Ultra-Thin Chips with Printed Interconnects on Flexible Foils. <i>Advanced Electronic Materials</i> , 2101029	6.4	7
113	Smart contact lens using passive structures 2014 ,		6
112	Tactile sensors with integrated piezoelectric polymer and low voltage organic thin-film transistors 2014 ,		6
111	Carbon Nanotube/PEDOT: PSS Composite-based Flexible Temperature Sensor with Enhanced Response and Recovery Time 2020 ,		6
110	Flexible Strain and Temperature Sensing NFC Tag for Smart Food Packaging Applications. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	6
109	Inductance-Based Flexible Pressure Sensor for Assistive Gloves 2018 ,		6

108	Bioinspired Inchworm- and Earthworm-like Soft Robots with Intrinsic Strain Sensing. <i>Advanced Intelligent Systems</i> ,2100092	6	6
107	Printed Temperature Sensor based on Graphene Oxide/PEDOT:PSS 2019 ,		5
106	Biomimetic tactile sensing 2015 , 69-91		5
105	Printing of high concentration nanocomposites (MWNTs/PDMS) using 3D-printed shadow masks 2015 ,		5
104	3D Printed Interconnects on Bendable Substrates for 3D Circuits 2019 ,		5
103	Microdroplet Based Organic Vapour Sensor on a Disposable GO-Chitosan Flexible Substrate 2019 ,		5
102	Flexible Tactile Sensors using AlN and MOSFETs based Ultra-thin Chips. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	5
101	Inorganic semiconducting nanowires for green energy solutions. <i>Current Opinion in Chemical Engineering</i> , 2021 , 34, 100753	5-4	5
100	At-Home Computer-Aided Myoelectric Training System for Wrist Prosthesis. <i>Lecture Notes in Computer Science</i> , 2016 , 284-293	0-9	5
99	Flexible Strain Sensor with NFC Tag for Food Packaging 2020 ,		5
98	Metal Coated Fabric Based Asymmetric Supercapacitor for Wearable Applications. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	5
97	Graphene Oxide-Chitosan Based Ultra-Flexible Electrochemical Sensor for Detection of Serotonin 2018 ,		5
96	Fused Deposition Modeling-Based 3D-Printed Electrical Interconnects and Circuits. <i>Advanced Intelligent Systems</i> ,2100102	6	5
95	MnO-Electrodeposited Fabric-Based Stretchable Supercapacitors with Intrinsic Strain Sensing. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 47581-47592	9-5	5
94	E-skin and wearable systems for health care 2020 , 133-178		4
93	Microchannel based Flexible Dynamic Strain Sensor 2019 ,		4
92	POSFET tactile sensing chips using CMOS technology 2013 ,		4
91	Simulation study of junctionless silicon nanoribbon FET for high-performance printable electronics 2017 ,		4

90	Multifunctional flexible PVDF-TrFE/BaTiO ₃ based tactile sensor for touch and temperature monitoring 2017 ,		4
89	Electrochemical sensors with screen printed Ag AgCl KCl reference electrodes 2017 ,		4
88	Stretchable interconnects using screen printed nanocomposites of MWCNTs with PDMS and P(VDF-TrFE) 2015 ,		4
87	Tuning electrical conductivity of CNT-PDMS nanocomposites for flexible electronic applications 2015 ,		4
86	POSFET Tactile Sensing Arrays using CMOS Technology. <i>Procedia Engineering</i> , 2012 , 47, 894-897		4
85	CMOS Implementation of POSFET Tactile Sensing Arrays with on Chip Readout 2010 ,		4
84	Interface electronics design for POSFET devices based tactile sensing systems 2010 ,		4
83	Tactile Sensing: Definitions and Classification 2013 , 13-17		4
82	Metal-organic Dual Layer Structure for Stretchable Interconnects. <i>Procedia Engineering</i> , 2016 , 168, 1559-1562		4
81	Flexible AlN Coupled MOSFET Device for Touch Sensing 2018 ,		4
80	Stretchable Systems 2021 ,		4
79	High-Performance n-Channel Printed Transistors on Biodegradable Substrate for Transient Electronics. <i>Advanced Electronic Materials</i> , 2200098	6.4	4
78	Towards flexible magnetoelectronics for robotic applications 2017 ,		3
77	Towards flexible and conformable electronics 2014 ,		3
76	Ultra-thin ISFET-based sensing systems. <i>Electrochemical Science Advances</i> ,		3
75	Development of a highly controlled system for large-area, directional printing of quasi-1D nanomaterials. <i>Microsystems and Nanoengineering</i> , 2021 , 7, 82	7.7	3
74	Assessing the Stability of Printed NWs by in situ SEM Characterisation 2020 ,		3
73	Ultra-Thin Chips with Current-Mode ISFET Array for Continuous Monitoring of Body Fluids pH 2021 ,		3

72	PMMA sacrificial layer based reliable debonding of ultra-thin chips after lapping. <i>Microelectronic Engineering</i> , 2021 , 247, 111588	2.5	3
71	Towards bendable piezoelectric oxide semiconductor field effect transistor based touch sensor 2016 ,		3
70	Modelling of nanowire FETs based neural network for tactile pattern recognition in E-skin 2016 ,		3
69	Bio-Organic Glycine Based Flexible Piezoelectric Stress Sensor for Wound Monitoring 2018 ,		3
68	Tactile Communication System for the Interaction between Deafblind and Robots 2018 ,		3
67	High-performance p-channel transistors on flexible substrate using direct roll transfer stamping. <i>Japanese Journal of Applied Physics</i> , 2022 , 61, SC1042	1.4	3
66	Graphite-Based Bioinspired Piezoresistive Soft Strain Sensors with Performance Optimized for Low Strain Values.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 61610-61619	9.5	3
65	Association of Gpx1 fluctuation in cell cycle progression. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2019 , 55, 94-103	2.6	2
64	Characterisation of Gold Patterns on PDMS Substrates. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 255&258		2
63	Cloth Based Biocompatible Temperature Sensor 2019 ,		2
62	Touch Sensing Why and Where? 2013 , 3-12		2
61	Stretchable pH sensing patch in a hybrid package 2017 ,		2
60	Bending effects in a flexible dual gated graphene FET: A Verilog-A model implementation 2017 ,		2
59	Paper based pressure sensor for green electronics 2017 ,		2
58	Compact model for flexible ion-sensitive field-effect transistor 2017 ,		2
57	Piezoelectric Tactile Sensors 2015 , 1-15		2
56	2015 ,		2
55	Human Tactile Sensing 2013 , 19-41		2

54	. <i>IEEE Sensors Journal</i> , 2013 , 13, 3854-3856	4	2
53	Development and characterization of touch sensing devices for robotic applications 2009 ,		2
52	Ultra-Thin Chips with ISFET Array for Continuous Monitoring of Body Fluids pH.. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2022 , PP,	5.1	2
51	3D Printed Wearable Exoskeleton Human-Machine Interfacing Device 2020 ,		2
50	Piezo-Polymer-FET Devices Based Tactile Sensors for Humanoid Robots. <i>Lecture Notes in Electrical Engineering</i> , 2010 , 369-372	0.2	2
49	TACTILE SENSING ARRAYS FOR HUMANOID ROBOTS USING PIEZO-POLYMER-FET DEVICES 2008 ,		2
48	Device modelling of bendable MOS transistors 2016 ,		2
47	ZnO based Screen Printed Aqueous Ammonia Sensor for Water Quality Monitoring 2019 ,		2
46	Energy Autonomous Sensors for Water Quality Monitoring 2018 ,		2
45	3D Printed Phalanx Packaged with Embedded Pressure Sensor 2018 ,		2
44	2018 ,		2
43	Enhanced Triboelectric Nanogenerator Performance via an Optimised Low Permittivity, Low Thickness Substrate 2018 ,		2
42	Kirigami and Mogul-Patterned Ultra-Stretchable High-Performance ZnO Nanowires-Based Photodetector. <i>Advanced Materials Technologies</i> ,2100804	6.8	2
41	Pseudo-Hologram with Aerohaptic Feedback for Interactive Volumetric Displays. <i>Advanced Intelligent Systems</i> ,2100090	6	2
40	Healing and monitoring of chronic wounds: advances in wearable technologies 2021 , 85-99		2
39	In Tandem Contact-Transfer Printing for High-Performance Transient Electronics. <i>Advanced Electronic Materials</i> ,2200170	6.4	2
38	Porous Elastomer based Wide Range Flexible Pressure Sensor for Autonomous Underwater Vehicles. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	2
37	Surface characterization of polydimethylsiloxane: An AFM study 2015 ,		1

36	Guest Editorial Special Issue on Papers From the IEEE FLEPS Conference 2019. <i>IEEE Sensors Journal</i> , 2020 , 20, 7493-7493	4	1
35	Flexible Logic Circuits by using Van Der Waals Contacted Graphene Field-Effect Transistors 2019 ,		1
34	Geometry dependent application of stretchable printed antenna 2019 ,		1
33	Nanomaterials processing for flexible electronics 2017 ,		1
32	Transforming the short-term sensing stimuli to long-term e-skin memory 2017 ,		1
31	Flexible pressure sensing system for tongue-based control of prosthetic hands 2017 ,		1
30	VLS growth mechanism of Si-nanowires for flexible electronics 2015 ,		1
29	Multiple facets of tightly coupled transducer-transistor structures. <i>Nanotechnology</i> , 2015 , 26, 482501	3-4	1
28	Si microwires based FETs on flexible substrates 2015 ,		1
27	Synthesis of graphene on ultra-smooth copper foils for large area flexible electronics 2015 ,		1
26	Active Visuo-Tactile Interactive Robotic Perception for Accurate Object Pose Estimation in Dense Clutter. <i>IEEE Robotics and Automation Letters</i> , 2022 , 1-1	4-2	1
25	Printed Flexible Temperature Sensor with NFC Interface 2020 ,		1
24	A low-cost, disposable GO-CS screen printed carbon electrode for electrochemical detection of tyrosine 2020 ,		1
23	3D Printed Capacitive Tilt Sensor 2020 ,		1
22	Metal Coated Fabric Based Supercapacitors 2020 ,		1
21	NFC based Polymer Strain Sensor for Smart Packaging 2020 ,		1
20	A Low-Power Wide Supply Range Delay-Line Based IC for Amperometric Measurement 2020 ,		1
19	Touch Interactive 3D Surfaces 2020 ,		1

18	Flexible and ultra-fast bioresorbable nanofibers of silk fibroin-PVA composite 2021 ,	1
17	Porous Elastomer based Soft Pressure Sensor for Autonomous Underwater Vehicles 2021 ,	1
16	Highly Sensitive Flexible Capacitive Pressure Sensor with ZnO NW interlayers 2021 ,	1
15	E-skin module with heterogeneously integrated graphene touch sensors and CMOS circuitry 2016 ,	1
14	Inductance-Based Soft and Flexible Pressure Sensors using Various Compositions of Iron Particles 2019 ,	1
13	Hybrid Integration of Screen-Printed RFID Tags and Rigid Microchip on Paper 2022 , 1-1	1
12	Soft Sensors for Electronic Skin 2021 ,	0
11	RFID Near-field Communication (NFC)-Based Sensing Technology in Food Quality Control 2022 , 219-241	0
10	Integrated Tactile Sensing on Silicon 2013 , 139-152	
9	Errata for "SPICE model for lossy piezoelectric polymers" [Feb 09 387-395]. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009 , 56, 1288-1288	3.2
8	Guest Editorial Special Issue on Papers From the IEEE FLEPS Conference 2020. <i>IEEE Sensors Journal</i> , 2021 , 21, 26207-26207	4
7	POSFET III The Touch Sensing Device 2013 , 153-175	
6	POSFET III The Tactile Sensing Chip 2013 , 177-194	
5	System Issues, Requirements and Expectations 2013 , 43-78	
4	Guest Editorial Special Issue on Selected Papers From the IEEE Sensors Conference 2018. <i>IEEE Sensors Journal</i> , 2020 , 20, 6792-6793	4
3	Guest Editorial Special Issue on Selected Papers From the IEEE Sensors 2017 Conference. <i>IEEE Sensors Journal</i> , 2018 , 18, 7764-7764	4
2	Introduction to the First Issue 2022 , 1, 2-3	
1	Interactive Intelligent Systems and Haptic Interfaces. <i>Advanced Intelligent Systems</i> , 2022 , 4, 2100172	6

