

# Ravinder Dahiya

## List of Publications by Year in descending order

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331  
papers

12,674  
citations

28274

55  
h-index

29157

104  
g-index

339  
all docs

339  
docs citations

339  
times ranked

9154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft Sensors for Electronic Skin. , 2023, , 51-67.		2
2	Bioinspired Distributed Energy in Robotics and Enabling Technologies. Advanced Intelligent Systems, 2023, 5, 2100036.	6.1	21
3	Flexible Tactile Sensors Using AlN and MOSFETs Based Ultra-Thin Chips. IEEE Sensors Journal, 2023, 23, 23988-23994.	4.7	20
4	3D Printed Soft and Flexible Insole With Intrinsic Pressure Sensing Capability. IEEE Sensors Journal, 2023, 23, 23995-24003.	4.7	14
5	3D Touch Surface for Interactive Pseudo-Holographic Displays. Advanced Intelligent Systems, 2022, 4, 2000126.	6.1	14
6	Bioinspired Inchworm- and Earthworm-like Soft Robots with Intrinsic Strain Sensing. Advanced Intelligent Systems, 2022, 4, 2100092.	6.1	35
7	Kirigami and Mogul- Patterned Ultra-Stretchable High-Performance ZnO Nanowires-Based Photodetector. Advanced Materials Technologies, 2022, 7, 2100804.	5.8	27
8	Pseudo-Hologram with Aero-haptic Feedback for Interactive Volumetric Displays. Advanced Intelligent Systems, 2022, 4, 2100090.	6.1	6
9	Smart Tactile Gloves for Haptic Interaction, Communication, and Rehabilitation. Advanced Intelligent Systems, 2022, 4, 2100091.	6.1	78
10	Intelligent In-Vehicle Interaction Technologies. Advanced Intelligent Systems, 2022, 4, 2100122.	6.1	54
11	Supercapacitor electrode fabrication through chemical and physical routes. Journal of Power Sources, 2022, 519, 230744.	7.8	40
12	Soft Capacitive Pressure Sensor With Enhanced Sensitivity Assisted by ZnO NW Interlayers and Airgap. IEEE Sensors Journal, 2022, 22, 3974-3982.	4.7	34
13	Active Visuo-Tactile Interactive Robotic Perception for Accurate Object Pose Estimation in Dense Clutter. IEEE Robotics and Automation Letters, 2022, 7, 4686-4693.	5.1	16
14	Ultra-thin ISFET-based sensing systems. Electrochemical Science Advances, 2022, 2, .	2.8	10
15	A Hybrid Approach of Wavelet-based Total Variation and Wiener Filter to Denoise Adventitious Lung Sound Signal for an Accurate Assessment. , 2022, , .		2
16	Electronic Waste Reduction Through Devices and Printed Circuit Boards Designed for Circularity. , 2022, 1, 4-23.		46
17	Hybrid Integration of Screen-Printed RFID Tags and Rigid Microchip on Paper. , 2022, 1, 107-113.		7
18	Introduction to the First Issue. , 2022, 1, 2-3.		0

#	ARTICLE	IF	CITATIONS
19	High-performance p-channel transistors on flexible substrate using direct roll transfer stamping. Japanese Journal of Applied Physics, 2022, 61, SC1042.	1.5	9
20	Interactive Intelligent Systems and Haptic Interfaces. Advanced Intelligent Systems, 2022, 4, 2100172.	6.1	0
21	Smart Bandage with Inductor-Capacitor Resonant Tank Based Printed Wireless Pressure Sensor on Electrospun Poly-L-Lactide Nanofibers. Advanced Electronic Materials, 2022, 8, .	5.1	47
22	In Tandem Contact Transfer Printing for High-Performance Transient Electronics. Advanced Electronic Materials, 2022, 8, .	5.1	18
23	Ultra-Thin Chips with Printed Interconnects on Flexible Foils. Advanced Electronic Materials, 2022, 8, .	5.1	27
24	Porous Elastomer Based Wide Range Flexible Pressure Sensor for Autonomous Underwater Vehicles. IEEE Sensors Journal, 2022, 22, 9914-9921.	4.7	16
25	Self-Powered Active Sensing Based on Triboelectric Generators. Advanced Materials, 2022, 34, e2200724.	21.0	72
26	High-Performance n-Channel Printed Transistors on Biodegradable Substrate for Transient Electronics. Advanced Electronic Materials, 2022, 8, .	5.1	10
27	Printed synaptic transistor-based electronic skin for robots to feel and learn. Science Robotics, 2022, 7, .	17.6	51
28	Ultra-High Gauge Factor Strain Sensor with Wide-Range Stretchability. Advanced Intelligent Systems, 2022, 4, .	6.1	13
29	Direct Write 3D-Printed Interconnects for Heterogenous Integration of Ultra Thin Chips. , 2022, , .		1
30	3D-printed elastomer foam-based soft capacitive pressure sensors. , 2022, , .		6
31	An Empirical Evaluation of Various Information Gain Criteria for Active Tactile Action Selection for Pose Estimation. , 2022, , .		4
32	Torsional and bending endurance analysis of screen-printed interconnects on various flexible substrates. , 2022, , .		2
33	Influence of Thickness of Screen Printed Carbon Electrodes on Electrochemical Sensing. , 2022, , .		0
34	High performance n-and p-channel flexible transistors using roll printed silicon nanoribbons. , 2022, , .		0
35	PEDOT:PSS modified Screen Printed Graphene-Carbon Ink based Flexible Humidity Sensor. , 2022, , .		4
36	All-printed ZnO nanowire based high performance photodetectors. , 2022, , .		2

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37	Finite element analysis of stress distribution in soft sensors under torsional loading. , 2022, , .		1
38	Textile Triboelectric Nanogenerators as Self Powered Wearable Temperature Sensors. , 2022, , .		1
39	3D Printed Embedded Strain Sensor with Enhanced Performance. , 2022, , .		1
40	Multidirectional strain sensor using multimaterial 3D printing. , 2022, , .		3
41	MoS <sub>2</sub> modified screen printed carbon electrode based flexible sensor for detection of Copper. , 2022, , .		4
42	Spray Coated Piezoresistive Bend Sensor for Controlled Movements in Soft Robots. , 2022, , .		1
43	Influence of Encapsulation on the Performance of V <sub>2</sub> O <sub>5</sub> Nanowires-Based Temperature Sensors. , 2022, , .		0
44	Reliability Analysis of Screen-printed Tags with Low-power Electronics on Flexible Substrates. , 2022, , .		0
45	V <sub>2</sub> O <sub>5</sub> nanowires coated yarn based temperature sensor for smart textiles. , 2022, , .		1
46	Selective removal of contact printed nanowires for lithography-free patterning. , 2022, , .		1
47	Sensitivity Analysis of ZnO NWs Based Soft Capacitive Pressure Sensors using Finite Element Modeling. , 2022, , .		1
48	Direct ink writing of tunnelling graphite based soft piezoresistive pressure sensors. , 2022, , .		0
49	Towards Robust 3D Object Recognition with Dense-to-Sparse Deep Domain Adaptation. , 2022, , .		4
50	Impact of Analyte pH on the Sensitivity of Screen-Printed Flexible Ammonium Sensor. , 2022, , .		0
51	Sensorimotor Correlation Using Printed Synaptic Transistors and Conditioning PCB. , 2022, , .		1
52	Growth Kinetics and Integration of Inorganic Nanowires for Flexible Electronics. , 2022, , .		0
53	RFID Near-field Communication (NFC)-Based Sensing Technology in Food Quality Control. , 2022, , 219-241.		3
54	Deep Active Cross-Modal Visuo-Tactile Transfer Learning for Robotic Object Recognition. IEEE Robotics and Automation Letters, 2022, 7, 9557-9564.	5.1	5

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55	Editorial Introduction to the Second Issue. , 2022, 1, 74-75.		0
56	Neuro-inspired electronic skin for robots. Science Robotics, 2022, 7, .	17.6	80
57	Printed GaAs Microstructuresâ€Based Flexible Highâ€Performance Broadband Photodetectors. Advanced Materials Technologies, 2022, 7, .	5.8	11
58	Energy Generating Electronic Skin With Intrinsic Tactile Sensing Without Touch Sensors. IEEE Transactions on Robotics, 2021, 37, 683-690.	10.3	52
59	Biodegradable Materials for Sustainable Health Monitoring Devices. ACS Applied Bio Materials, 2021, 4, 163-194.	4.6	133
60	Disposable Electrochemical Sensor Using Graphene Oxideâ€Chitosan Modified Carbon-Based Electrodes for the Detection of Tyrosine. IEEE Sensors Journal, 2021, 21, 26226-26233.	4.7	34
61	Natural Jute Fibreâ€Based Supercapacitors and Sensors for Ecoâ€Friendly Energy Autonomous Systems. Advanced Sustainable Systems, 2021, 5, 2000286.	5.3	39
62	Metal Coated Fabric Based Asymmetric Supercapacitor for Wearable Applications. IEEE Sensors Journal, 2021, 21, 26208-26214.	4.7	11
63	Flexible Strain and Temperature Sensing NFC Tag for Smart Food Packaging Applications. IEEE Sensors Journal, 2021, 21, 26406-26414.	4.7	43
64	3D Printed Interdigitated Capacitor Based Tilt Sensor. IEEE Sensors Journal, 2021, 21, 26252-26260.	4.7	24
65	Multifunctional Electronic Skin With a Stack of Temperature and Pressure Sensor Arrays. IEEE Sensors Journal, 2021, 21, 26243-26251.	4.7	60
66	Rapid Assessment of SARS-CoV-2 Transmission Risk for Fecally Contaminated River Water. ACS ES&T Water, 2021, 1, 949-957.	4.6	38
67	Smart Bandage With Wireless Strain and Temperature Sensors and Batteryless NFC Tag. IEEE Internet of Things Journal, 2021, 8, 5093-5100.	8.7	123
68	Printed Chipless Antenna as Flexible Temperature Sensor. IEEE Internet of Things Journal, 2021, 8, 5101-5110.	8.7	70
69	Origin of the contact force-dependent response of triboelectric nanogenerators. Nano Energy, 2021, 83, 105829.	16.0	70
70	Textile-Based Stretchable Microstrip Antenna with Intrinsic Strain Sensing. ACS Applied Electronic Materials, 2021, 3, 2233-2246.	4.3	42
71	Ultra-Thin Chips with Current-Mode ISFET Array for Continuous Monitoring of Body Fluids pH. , 2021, , .		5
72	Silicon nanoribbons based printed transistors for high-performance flexible electronics. , 2021, , .		1

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73	Using Machine Learning to Predict the Statistical Distribution of Metal Nanoparticles. , 2021, , .		0
74	3D Printed Capacitive Pressure Sensing Sole for Anthropomorphic Robots. , 2021, , .		6
75	Modelling of the Gate Capacitance in the Double Nanowire based Field-Effect Transistors. , 2021, , .		0
76	Flexible and ultra-fast bioresorbable nanofibers of silk fibroin-PVA composite. , 2021, , .		3
77	Flexible and Printed Potentiometric pH Sensor for Water Quality Monitoring. , 2021, , .		2
78	A wide range self-powered flexible pressure sensor based on triboelectric nanogenerator. , 2021, , .		3
79	Influence of the vertical alignment of nanowires on the quality of printed electronic layers. , 2021, , .		1
80	V<sub>2</sub>O<sub>5</sub> Nanowires-Based Flexible Temperature Sensor. , 2021, , .		2
81	Porous Elastomer based Soft Pressure Sensor for Autonomous Underwater Vehicles. , 2021, , .		2
82	Analysis of a Soft Haptic Device with Integrated Tactile Sensor and Actuator for Optimal Design. , 2021, , .		2
83	Grapheneâ€“Graphite Polyurethane Composite Based Wristband Supercapacitor for Wearable Electronics. , 2021, , .		0
84	Flexible Strain Sensor based on Printed LC Tank on Electrospun Piezoelectric Nanofibers. , 2021, , .		0
85	Life Cycle Assessment of Energy Generating Flexible Electronic Skin. , 2021, , .		1
86	AlN Ultra-Thin Chips Based Flexible Piezoelectric Tactile Sensors. , 2021, , .		9
87	Highly Sensitive Flexible Capacitive Pressure Sensor with ZnO NW interlayers. , 2021, , .		4
88	Flexible Metasurface QR Code for Simultaneous Identification and Sensing. , 2021, , .		2
89	PMMA sacrificial layer based reliable debonding of ultra-thin chips after lapping. Microelectronic Engineering, 2021, 247, 111588.	2.4	9
90	Energy Autonomous Sweatâ€“Based Wearable Systems. Advanced Materials, 2021, 33, e2100899.	21.0	85

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91	Direct roll transfer printed silicon nanoribbon arrays based high-performance flexible electronics. Npj Flexible Electronics, 2021, 5, .	10.7	46
92	Fused Deposition Modeling-Based 3D-Printed Electrical Interconnects and Circuits. Advanced Intelligent Systems, 2021, 3, 2100102.	6.1	30
93	Connected Sensors, Innovative Sensor Deployment, and Intelligent Data Analysis for Online Water Quality Monitoring. IEEE Internet of Things Journal, 2021, 8, 13805-13824.	8.7	32
94	MnO <sub>x</sub> -Electrodeposited Fabric-Based Stretchable Supercapacitors with Intrinsic Strain Sensing. ACS Applied Materials & Interfaces, 2021, 13, 47581-47592.	8.0	20
95	SensAct: The Soft and Squishy Tactile Sensor with Integrated Flexible Actuator. Advanced Intelligent Systems, 2021, 3, 1900145.	6.1	64
96	Healing and monitoring of chronic wounds: advances in wearable technologies. , 2021, , 85-99.		8
97	Development of a highly controlled system for large-area, directional printing of quasi-1D nanomaterials. Microsystems and Nanoengineering, 2021, 7, 82.	7.0	18
98	Ferroelectric-assisted high-performance triboelectric nanogenerators based on electrospun P(VDF-TrFE) composite nanofibers with barium titanate nanofillers. Nano Energy, 2021, 90, 106600.	16.0	52
99	Inorganic semiconducting nanowires for green energy solutions. Current Opinion in Chemical Engineering, 2021, 34, 100753.	7.8	22
100	Guest Editorial Special Issue on Papers From the IEEE FLEPS Conference 2020. IEEE Sensors Journal, 2021, 21, 26207-26207.	4.7	0
101	Ultra-Thin Chips With ISFET Array for Continuous Monitoring of Body Fluids Ph. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 1174-1185.	4.0	7
102	Graphite-Based Bioinspired Piezoresistive Soft Strain Sensors with Performance Optimized for Low Strain Values. ACS Applied Materials & Interfaces, 2021, 13, 61610-61619.	8.0	23
103	Mesoporous chitosan based conformable and resorbable biostrip for dopamine detection. Biosensors and Bioelectronics, 2020, 147, 111781.	10.1	55
104	Chitosan-Graphene Oxide-Based Ultra-Thin and Flexible Sensor for Diabetic Wound Monitoring. IEEE Sensors Journal, 2020, 20, 6794-6801.	4.7	38
105	Touch Sensor Based on Flexible AlN Piezocapacitor Coupled With MOSFET. IEEE Sensors Journal, 2020, 20, 6810-6817.	4.7	21
106	Triboelectric Nanogenerator With Enhanced Performance via an Optimized Low Permittivity Substrate. IEEE Sensors Journal, 2020, 20, 6856-6862.	4.7	34
107	Polydimethylsiloxane as polymeric protective coating for fabrication of ultra-thin chips. Microelectronic Engineering, 2020, 221, 111157.	2.4	13
108	Engineered chitosan for improved 3D tissue growth through Paxillin-FAK-ERK activation. International Journal of Energy Production and Management, 2020, 7, 141-151.	3.7	17

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109	Robotic Hands with Intrinsic Tactile Sensing via 3D Printed Soft Pressure Sensors. <i>Advanced Intelligent Systems</i> , 2020, 2, 1900080.	6.1	101
110	Metal oxides based electrochemical pH sensors: Current progress and future perspectives. <i>Progress in Materials Science</i> , 2020, 109, 100635.	32.8	286
111	Soft eSkin: distributed touch sensing with harmonized energy and computing. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190156.	3.4	70
112	Ultrathin Ion-Sensitive Field-Effect Transistor Chips with Bending-Induced Performance Enhancement. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2601-2610.	4.3	39
113	PEDOT:PSS Microchannel-Based Highly Sensitive Stretchable Strain Sensor. <i>Advanced Electronic Materials</i> , 2020, 6, 2000445.	5.1	97
114	A unified contact force-dependent model for triboelectric nanogenerators accounting for surface roughness. <i>Nano Energy</i> , 2020, 76, 105067.	16.0	57
115	Graphene Based Low Voltage Field Effect Transistor Coupled with Biodegradable Piezoelectric Material Based Dynamic Pressure Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 54035-54040.	8.0	75
116	Guest Editorial Special Issue on Selected Papers From the IEEE Sensors Conference 2018. <i>IEEE Sensors Journal</i> , 2020, 20, 6792-6793.	4.7	0
117	Printing Quasi-1D Nanomaterials for Large-Area Flexible UV Photodetectors. , 2020, , .		1
118	Contact Printed ZnO Nanowires based FET for Large Area Electronics. , 2020, , .		0
119	A Low-Power Wide Supply Range Delay-Line Based IC for Amperometric Measurement. , 2020, , .		4
120	Tacsac: A Wearable Haptic Device with Capacitive Touch-Sensing Capability for Tactile Display. <i>Sensors</i> , 2020, 20, 4780.	3.8	41
121	Growth and Kinetics of Elemental and Binary Semiconducting Nanowires. , 2020, , .		0
122	Electronic Skin with Energy Autonomous Proximity Sensing for Human-Robot Interaction. , 2020, , .		0
123	Carbon Nanotube/PEDOT: PSS Composite-based Flexible Temperature Sensor with Enhanced Response and Recovery Time. , 2020, , .		14
124	Glycine-based Flexible Biocompatible Piezoelectric Pressure Sensor for Healthcare Applications. , 2020, , .		0
125	Touch Interactive 3D Surfaces. , 2020, , .		1
126	Printed Nitrogen-Doped Reduced Graphene Oxide Based Sensor For Uric Acid Detection. , 2020, , .		0



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127	Flexible Strain Sensor with NFC Tag for Food Packaging. , 2020, , .		15
128	The Role of Water and Ethanol Molecular Geometry in Governing the Growth Kinetics of ZnO-Nanorods. , 2020, , .		0
129	Biodegradable Amino acid-based Pressure Sensor. , 2020, , .		3
130	Kinetic Analysis of the VLS Growth of Semiconducting Nanowires. , 2020, , .		0
131	Si Nanoribbons based High Performance Printed FETs using Room-Temperature deposited Dielectric. , 2020, , .		2
132	Printed Piezoresistive Strain sensors for Wearable Systems. , 2020, , .		2
133	ClasVentâ€”The Rapidly Deployable Emergency Ventilator. Global Challenges, 2020, 4, 2000046.	3.6	23
134	High-performance printed electronics based on inorganic semiconducting nano to chip scale structures. Nano Convergence, 2020, 7, 33.	12.1	77
135	Monolayer MoSeâ„¸-Based Tunneling Field Effect Transistor for Ultrasensitive Strain Sensing. IEEE Transactions on Electron Devices, 2020, 67, 2140-2146.	3.0	24
136	Omnidirectional Stretchable Inorganicâ€”Materialâ€”Based Electronics with Enhanced Performance. Advanced Electronic Materials, 2020, 6, 2000058.	5.1	34
137	A Wearable Supercapacitor Based on Conductive PEDOT:PSSâ€”Coated Cloth and a Sweat Electrolyte. Advanced Materials, 2020, 32, e1907254.	21.0	282
138	Microdroplet-Based Organic Vapour Sensor on a Disposable GO-Chitosan Flexible Substrate. IEEE Sensors Journal, 2020, 20, 7494-7502.	4.7	12
139	Microdroplet based disposable sensor patch for detection of Î±-amylase in human blood serum. Biosensors and Bioelectronics, 2020, 165, 112333.	10.1	30
140	Guest Editorial Special Issue on Papers From the IEEE FLEPS Conference 2019. IEEE Sensors Journal, 2020, 20, 7493-7493.	4.7	1
141	High Performance Printed Electronics on Large Area Flexible Substrates. , 2020, , .		0
142	A flexible chip with embedded intelligence. Nature Electronics, 2020, 3, 358-359.	26.0	19
143	Nanoribbonâ€”Based Flexible Highâ€”Performance Transistors Fabricated at Room Temperature. Advanced Electronic Materials, 2020, 6, 1901023.	5.1	34
144	Flexible potentiometric pH sensors for wearable systems. RSC Advances, 2020, 10, 8594-8617.	3.6	144

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145	Metal Coated Conductive Fabrics with Graphite Electrodes and Biocompatible Gel Electrolyte for Wearable Supercapacitors. <i>Advanced Materials Technologies</i> , 2020, 5, 1901107.	5.8	53
146	Influence of solvent molecular geometry on the growth of nanostructures. <i>Journal of Colloid and Interface Science</i> , 2020, 570, 322-331.	9.4	30
147	E-skin and wearable systems for health care. , 2020, , 133-178.		9
148	Printed Temperature Sensor Based on PEDOT: PSS-Graphene Oxide Composite. <i>IEEE Sensors Journal</i> , 2020, 20, 7525-7531.	4.7	116
149	Flexible Iridium Oxide Based pH Sensor Integrated With Inductively Coupled Wireless Transmission System for Wearable Applications. <i>IEEE Sensors Journal</i> , 2020, 20, 5130-5138.	4.7	21
150	Glycine- $\chi$ -Chitosan-Based Flexible Biodegradable Piezoelectric Pressure Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 9008-9016.	8.0	244
151	Technologies for Realisation of Ultra-thin Chips. , 2020, , .		1
152	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.	4.9	68
153	Effect of Dielectric and Stiffness of Soft Material between the Electrodes of a Capacitive Pressure Sensor on its Performance. , 2020, , .		16
154	Synthesis of Multi-functional ZnO Nanomaterials on Flexible Substrates for Flexible Electronics. , 2020, , .		1
155	Flexible Potentiostat Readout Circuit Patch for Electrochemical and Biosensor Applications. , 2020, , .		0
156	Emerging sustainable sensors based on nanostructures on flexible and disposable substrates. , 2020, , .		0
157	Printed Flexible Temperature Sensor with NFC Interface. , 2020, , .		2
158	Flexible Supercapacitor with Sweat Equivalent Electrolyte for Safe and Ecofriendly Energy Storage. , 2020, , .		0
159	3D Printed Robotic Hand with Embedded Touch Sensors. , 2020, , .		12
160	Assessing the Stability of Printed NWs by in situ SEM Characterisation. , 2020, , .		4
161	A low-cost, disposable GO-CS screen printed carbon electrode for electrochemical detection of tyrosine. , 2020, , .		3
162	3D Printed Capacitive Tilt Sensor. , 2020, , .		1

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163	Metal Coated Fabric Based Supercapacitors. , 2020, , .		1
164	NFC based Polymer Strain Sensor for Smart Packaging. , 2020, , .		2
165	Disposable and Flexible Sensor Patch for $\hat{\pm}$ -amylase Detection in Human Blood Serum. , 2020, , .		1
166	3D Printed Wearable Exoskeleton Human-Machine Interfacing Device. , 2020, , .		8
167	3D printed packaging of photovoltaic cells for energy autonomous embedded sensors. , 2020, , .		0
168	Flexible Logic Circuits by using Van Der Waals Contacted Graphene Field-Effect Transistors. , 2019, , .		3
169	Microchannel based Flexible Dynamic Strain Sensor. , 2019, , .		15
170	3D Printed Interconnects on Bendable Substrates for 3D Circuits. , 2019, , .		10
171	Geometry dependent application of stretchable printed antenna. , 2019, , .		1
172	Cloth Based Biocompatible Temperature Sensor. , 2019, , .		3
173	Microdroplet Based Organic Vapour Sensor on a Disposable GO-Chitosan Flexible Substrate. , 2019, , .		12
174	Large-Area Soft e-Skin: The Challenges Beyond Sensor Designs. Proceedings of the IEEE, 2019, 107, 2016-2033.	21.3	214
175	Fingerprintâ€Enhanced Capacitiveâ€Piezoelectric Flexible Sensing Skin to Discriminate Static and Dynamic Tactile Stimuli. Advanced Intelligent Systems, 2019, 1, 1900051.	6.1	108
176	Flexible Electronic Skin: From Humanoids to Humans [Scanning the Issue]. Proceedings of the IEEE, 2019, 107, 2011-2015.	21.3	89
177	Printed Temperature Sensor based on Graphene Oxide/PEDOT:PSS. , 2019, , .		15
178	3D integrated electronics with layer by layer printing of NWs. , 2019, , .		1
179	Association of Gpx1 fluctuation in cell cycle progression. In Vitro Cellular and Developmental Biology - Animal, 2019, 55, 94-103.	1.5	4
180	Prosthetic Hand with Biomimetic Tactile Sensing and Force Feedback. , 2019, , .		12

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181	van der Waals Contact Engineering of Graphene Field-Effect Transistors for Large-Area Flexible Electronics. ACS Nano, 2019, 13, 3257-3268.	14.6	60
182	E-Skin: From Humanoids to Humans [Point of View]. Proceedings of the IEEE, 2019, 107, 247-252.	21.3	144
183	Grapheneâ€“Graphite Polyurethane Composite Based Highâ€“Energy Density Flexible Supercapacitors. Advanced Science, 2019, 6, 1802251.	11.2	87
184	Inductance-Based Soft and Flexible Pressure Sensors using Various Compositions of Iron Particles. , 2019, , .		3
185	ZnO based Screen Printed Aqueous Ammonia Sensor for Water Quality Monitoring. , 2019, , .		9
186	Piezoelectric plastic compressed collagen-mesh scaffold for artificial skin. , 2019, , .		1
187	Large-area, Fast responding Flexible UV Photodetector realized by a Facile Method. , 2019, , .		1
188	Reliability investigation of Via-bridges for flexible electronics. , 2019, , .		0
189	Energy autonomous electronic skin. Npj Flexible Electronics, 2019, 3, .	10.7	245
190	Textile-Based Potentiometric Electrochemical pH Sensor for Wearable Applications. Biosensors, 2019, 9, 14.	4.7	116
191	Temperature Compensated Tactile Sensing Using MOSFET With P(VDF-TrFE)/BaTiO <sub>3</sub> Capacitor as Extended Gate. IEEE Sensors Journal, 2019, 19, 435-442.	4.7	26
192	Energy autonomous eSkin. , 2019, , .		0
193	Multifunctional sensor based on organic field-effect transistor and ferroelectric poly(vinylidene fluoride) thin film. IEEE Sensors Journal, 2019, 19, 435-442.	2.6	45
194	Wafer Scale Transfer of Ultrathin Silicon Chips on Flexible Substrates for High Performance Bendable Systems. Advanced Electronic Materials, 2018, 4, 1700277.	5.1	67
195	Printed flexible electrochemical pH sensors based on CuO nanorods. Sensors and Actuators B: Chemical, 2018, 263, 50-58.	7.8	108
196	Stretchable wireless system for sweat pH monitoring. Biosensors and Bioelectronics, 2018, 107, 192-202.	10.1	247
197	Large-Area Self-Assembly of Silica Microspheres/Nanospheres by Temperature-Assisted Dip-Coating. ACS Applied Materials & Interfaces, 2018, 10, 3058-3068.	8.0	78
198	Ultra-thin chips for high-performance flexible electronics. Npj Flexible Electronics, 2018, 2, .	10.7	249

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199	Bio-Organic Glycine Based Flexible Piezoelectric Stress Sensor for Wound Monitoring. , 2018, , .		5
200	Graphene-ZnO NWs Film for Large-Area UV Photodetector. , 2018, , .		1
201	Energy Autonomous Sensors for Water Quality Monitoring. , 2018, , .		3
202	Low Voltage Graphene FET Based Pressure Sensor. , 2018, , .		1
203	Graphene Oxide-Chitosan Based Ultra-Flexible Electrochemical Sensor for Detection of Serotonin. , 2018, , .		10
204	3D Printed Phalanx Packaged with Embedded Pressure Sensor. , 2018, , .		7
205	Capacitive-Piezoelectric Tandem Architecture for Biomimetic Tactile Sensing in Prosthetic Hand. , 2018, , .		4
206	Inductance-Based Flexible Pressure Sensor for Assistive Gloves. , 2018, , .		10
207	Flexible AlN Coupled MOSFET Device for Touch Sensing. , 2018, , .		6
208	Contact-Printing of Zinc Oxide Nanowires for Chemical Sensing Applications. , 2018, , .		0
209	Chitosan-Graphene Oxide Based Ultra-Thin Conformable Sensing Patch for Cell-Health Monitoring. , 2018, , .		8
210	Tactile Communication System for the Interaction between Deafblind and Robots. , 2018, , .		4
211	Corrugated Graphene Network Based Pressure Sensor. , 2018, , .		1
212	Enhanced Triboelectric Nanogenerator Performance via an Optimised Low Permittivity, Low Thickness Substrate. , 2018, , .		2
213	Soft Robotic Finger with Integrated Stretchable Strain Sensor. , 2018, , .		13
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