

# CITATION REPORT

List of articles citing

Monitoring of the central blood pressure waveform via a conformal ultrasonic device

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#	Paper	IF	Citations
413	A skin patch for sensing blood pressures. <i>Nature Biomedical Engineering</i> , <b>2018</b> , 2, 633-634	19	5
412	Low-Impedance Flexible Archimedean-Equiangular Spiral Antenna. <b>2019</b> , 18, 1789-1793		9
411	A Structured Design for Highly Stretchable Electronic Skin. <b>2019</b> , 4, 1900492		6
410	Future of Hypertension. <b>2019</b> , 74, 450-457		47
409	A stretchable and breathable form of epidermal device based on elastomeric nanofibre textiles and silver nanowires. <b>2019</b> , 7, 9748-9755		21
408	A novel Cu-metal-organic framework with two-dimensional layered topology for electrochemical detection using flexible sensors. <b>2019</b> , 30, 424002		20
407	High Durable, Biocompatible, and Flexible Piezoelectric Pulse Sensor Using Single-Crystalline III-N Thin Film. <b>2019</b> , 29, 1903162		37
406	Soft Bioelectronic Stickers: Selection and Evaluation of Skin-Interfacing Electrodes. <b>2019</b> , 8, e1900234		48
405	A Single Process for Homogeneous and Heterogeneous Bonding in Flexible Electronics : Ethanol-Assisted Vacuum Ultraviolet (E-VUV) Irradiation Process. <b>2019</b> ,		0
404	A Biomimetic Interface with High Adhesion, Tailorable Modulus for On-Skin Sensors, and Low-Power Actuators. <b>2019</b> , 31, 8708-8716		19
403	A Noninvasive, Electromagnetic, Epidermal Sensing Device for Hemodynamics Monitoring. <b>2019</b> , 13, 1393-1404		6
402	Design and applications of stretchable and self-healable conductors for soft electronics. <b>2019</b> , 6, 25		51
401	A Single-Connector Stent Antenna for Intravascular Monitoring Applications. <b>2019</b> , 19,		6
400	Cuffless Blood Pressure Monitoring from an Array of Wrist Bio-Impedance Sensors Using Subject-Specific Regression Models: Proof of Concept. <b>2019</b> , 13, 1723-1735		35
399	Flexible Integrated Sensors: Transverse Piezoresistance and Longitudinal Thermal Resistance of One Single Carbon Fiber Beam. <b>2019</b> , 4, 1900802		9
398	Tactile Sensors for Advanced Intelligent Systems. <b>2019</b> , 1, 1900090		47
397	Towards wearable blood pressure measurement systems from biosignals: a review. <b>2019</b> , 27, 3259-3281		7

396	Ultrasound-Induced Wireless Energy Harvesting for Potential Retinal Electrical Stimulation Application. <b>2019</b> , 29, 1902522	27
395	A Chest-Laminated Ultrathin and Stretchable E-Tattoo for the Measurement of Electrocardiogram, Seismocardiogram, and Cardiac Time Intervals. <b>2019</b> , 6, 1900290	79
394	Self-Powered Bio-Inspired Spider-Net-Coding Interface Using Single-Electrode Triboelectric Nanogenerator. <b>2019</b> , 6, 1900617	89
393	Thermochromic and Piezocapacitive Flexible Sensor Array by Combining Composite Elastomer Dielectrics and Transparent Ionic Hydrogel Electrodes. <b>2019</b> , 4, 1900327	25
392	Evolution of Wearable Devices with Real-Time Disease Monitoring for Personalized Healthcare. <b>2019</b> , 9,	128
391	Modular and Reconfigurable Wireless E-Tattoos for Personalized Sensing. <b>2019</b> , 4, 1900117	57
390	Flexible Sensors From Materials to Applications. <b>2019</b> , 7, 35	78
389	Omnidirectional Printing of Soft Elastomer for Liquid-State Stretchable Electronics. <b>2019</b> , 11, 18590-18598	20
388	Multifunctional Skin-Inspired Flexible Sensor Systems for Wearable Electronics. <b>2019</b> , 4, 1800628	258
387	Investigation of ultrasonic absorption in the MHz frequency range by silicon substrates with a built-in porous silicon layer. <b>2019</b> , 96, 196-202	5
386	Wearable and Implantable Devices for Cardiovascular Healthcare: from Monitoring to Therapy Based on Flexible and Stretchable Electronics. <b>2019</b> , 29, 1808247	207
385	"Cut-and-paste" method for the rapid prototyping of soft electronics.. <b>2019</b> , 62, 199-208	3
384	Low-cost monolithic processing of large-area ultrasound transducer arrays. <b>2019</b> ,	1
383	Kinetic Energy Harvesting for Wearable Medical Sensors. <b>2019</b> , 19,	18
382	Wearable and Implantable Electronics: Moving toward Precision Therapy. <b>2019</b> , 13, 12280-12286	83
381	Polyimide-Polyetheretherketone and Tin-Polyimide Direct Bonding via Ethanol-Assisted Vacuum Ultraviolet Irradiation. <b>2019</b> , 12, E19-012-1-E19-012-8	2
380	Ultrasensitive Fingertip-Contacted Pressure Sensors To Enable Continuous Measurement of Epidermal Pulse Waves on Ubiquitous Object Surfaces. <b>2019</b> , 11, 46399-46407	15
379	. <b>2019</b> , 9, 2152-2159	2

378	Towards a non-invasive cardiac arrest monitor: An in vivo pilot study. <b>2019</b> , 134, 76-80	0
377	Effect of grain size on piezoelectric, ferroelectric and dielectric properties of PMN-PT ceramics. <b>2019</b> , 45, 5731-5742	21
376	Flexible Hybrid Electronics for Digital Healthcare. <b>2020</b> , 32, e1902062	192
375	Flexible Electrochemical Bioelectronics: The Rise of In Situ Bioanalysis. <b>2020</b> , 32, e1902083	128
374	Advanced Soft Materials, Sensor Integrations, and Applications of Wearable Flexible Hybrid Electronics in Healthcare, Energy, and Environment. <b>2020</b> , 32, e1901924	305
373	Printing Flexible and Hybrid Electronics for Human Skin and Eye-Interfaced Health Monitoring Systems. <b>2020</b> , 32, e1902051	53
372	A chest-based continuous cuffless blood pressure method: Estimation and evaluation using multiple body sensors. <b>2020</b> , 54, 119-127	11
371	Flexible Hybrid Sensors for Health Monitoring: Materials and Mechanisms to Render Wearability. <b>2020</b> , 32, e1902133	114
370	Local Pulse Wave Velocity: Theory, Methods, Advancements, and Clinical Applications. <b>2020</b> , 13, 74-112	32
369	A linear-to-rotary hybrid nanogenerator for high-performance wearable biomechanical energy harvesting. <b>2020</b> , 67, 104235	140
368	Review Energy Autonomous Wearable Sensors for Smart Healthcare: A Review. <b>2020</b> , 167, 037516	44
367	Lancet Commission on Hypertension group position statement on the global improvement of accuracy standards for devices that measure blood pressure. <b>2020</b> , 38, 21-29	46
366	Flexible bioelectronics for physiological signals sensing and disease treatment. <b>2020</b> , 6, 397-413	10
365	Emerging intraoral biosensors. <b>2020</b> , 8, 3341-3356	6
364	The materials science of skin: Analysis, characterization, and modeling. <b>2020</b> , 110, 100634	16
363	A Minimally Invasive Implantable Sensor for Continuous Wireless Glucose Monitoring Based on a Passive Resonator. <b>2020</b> , 19, 124-128	13
362	A laser-engraved wearable sensor for sensitive detection of uric acid and tyrosine in sweat. <b>2020</b> , 38, 217-224	338
361	Hydrogel-Enabled Transfer-Printing of Conducting Polymer Films for Soft Organic Bioelectronics. <b>2020</b> , 30, 1906016	32

360	Development Trends and Perspectives of Future Sensors and MEMS/NEMS. <b>2019</b> , 11,	74
359	Progress in TENG technology A journey from energy harvesting to nanoenergy and nanosystem. <b>2020</b> , 2, e12058	57
358	Measurement, Analysis and Interpretation of Pressure/Flow Waves in Blood Vessels. <b>2020</b> , 11, 1085	19
357	Wireless battery-free wearable sweat sensor powered by human motion. <b>2020</b> , 6,	171
356	. <b>2020</b> , 8, 184909-184919	2
355	Smart Insole for Robust Wearable Biomechanical Energy Harvesting in Harsh Environments. <b>2020</b> , 14, 14126-14133	58
354	Ultrasound-Induced Wireless Energy Harvesting: From Materials Strategies to Functional Applications. <b>2020</b> , 77, 105131-105131	29
353	Ultracomfortable Hierarchical Nanonetwork for Highly Sensitive Pressure Sensor. <b>2020</b> , 14, 9605-9612	66
352	All-printed nanomembrane wireless bioelectronics using a biocompatible solderable graphene for multimodal human-machine interfaces. <b>2020</b> , 11, 3450	60
351	A Laboratory Set-up for Experimentation with the Cuffless Blood Pressure Measurement. <b>2020</b> ,	
350	Triode-Mimicking Graphene Pressure Sensor with Positive Resistance Variation for Physiology and Motion Monitoring. <b>2020</b> , 14, 10104-10114	79
349	Progress in wearable electronics/photonics Moving toward the era of artificial intelligence and internet of things. <b>2020</b> , 2, 1131-1162	143
348	Recent advances in bioelectronics chemistry. <b>2020</b> , 49, 7978-8035	30
347	Flexible Pressure Sensors for Biomedical Applications: From Ex Vivo to In Vivo. <b>2020</b> , 7, 2000743	23
346	Wearable Sensors Incorporating Compensatory Reserve Measurement for Advancing Physiological Monitoring in Critically Injured Trauma Patients. <b>2020</b> , 20,	10
345	Smart materials for smart healthcare Moving from sensors and actuators to self-sustained nanoenergy nanosystems. <b>2020</b> , 1, 92-124	41
344	Flexible composites with Ce-doped BaTiO <sub>3</sub> /P(VDF-TrFE) nanofibers for piezoelectric device. <b>2020</b> , 200, 108386	11
343	Multifunctional Protein Nanowire Humidity Sensors for Green Wearable Electronics. <b>2020</b> , 6, 2000721	19

342	Advances in chemical sensing technology for enabling the next-generation self-sustainable integrated wearable system in the IoT era. <b>2020</b> , 78, 105155	59
341	A Highly Sensitive, Reliable, and High-Temperature-Resistant Flexible Pressure Sensor Based on Ceramic Nanofibers. <b>2020</b> , 7, 2000258	33
340	An instrument for measuring blood pressure and assessing cardiovascular health from the fingertip. <b>2020</b> , 167, 112483	8
339	Unconventional Device and Material Approaches for Monolithic Biointegration of Implantable Sensors and Wearable Electronics. <b>2020</b> , 5, 2000407	23
338	Exploring Frontiers in Research and Teaching: NanoEngineering and Chemical Engineering at UC San Diego. <b>2020</b> , 14, 9203-9216	0
337	A flexible ECG patch compatible with NFC RF communication. <b>2020</b> , 4,	29
336	Blood Pressure Sensors: Materials, Fabrication Methods, Performance Evaluations and Future Perspectives. <b>2020</b> , 20,	13
335	Identifying human body states by using a flexible integrated sensor. <b>2020</b> , 4,	14
334	Flexible Symbiotic Biomedical Electronics for Disease Treatment. <b>2020</b> ,	
333	Chest-based Real-Time Pulse and Respiration Monitoring Based on Bio-Impedance. <b>2020</b> , 2020, 4398-4401	3
332	Stretchable Triboelectric Nanogenerators for Energy Harvesting and Motion Monitoring. <b>2020</b> , 1, 109-116	6
331	Real-Time Impedance Detection of Intra-Articular Space in a Porcine Model Using a Monopolar Injection Needle. <b>2020</b> , 20,	1
330	Robust Flexible Pressure Sensors Made from Conductive Micropyramids for Manipulation Tasks. <b>2020</b> , 14, 12866-12876	38
329	Micro triboelectric ultrasonic device for acoustic energy transfer and signal communication. <b>2020</b> , 11, 4143	66
328	. <b>2020</b> , 8, 152105-152115	12
327	Recent Progress in Wearable Biosensors: From Healthcare Monitoring to Sports Analytics. <b>2020</b> , 10,	28
326	Flexible Hybrid Sensor Systems with Feedback Functions. <b>2020</b> , 31, 2007436	28
325	Cardiac Variation of Internal Jugular Vein as a Marker of Volume Change in Hemorrhagic Shock. <b>2020</b> , 54, 717-722	1

324	A Flexible Piezo-Composite Ultrasound Blood Pressure Sensor with Silver Nanowire-based Stretchable Electrodes. <b>2020</b> ,	1
323	Emerging Telemedicine Tools for Remote COVID-19 Diagnosis, Monitoring, and Management. <b>2020</b> , 14, 16180-16193	43
322	Clinical study of a chest-based cuffless blood pressure monitoring system. <b>2020</b> , 3, e10091	1
321	Novel multi-layer-composites design for ultrasonic transducer applications. <b>2020</b> , 245, 112364	8
320	A flexible self-arched biosensor based on combination of piezoelectric and triboelectric effects. <b>2020</b> , 20, 100699	27
319	Acoustic Matching Layer Films Using B-Stage Thermosetting Polymer Resins for Ultrasound Transducer Applications. <b>2020</b> , 67, 2148-2154	3
318	Wearable Triboelectric-Human-Machine Interface (THMI) Using Robust Nanophotonic Readout. <b>2020</b> , 14, 8915-8930	63
317	Skin-interfaced sensors in digital medicine: from materials to applications. <b>2020</b> , 2, 1414-1445	68
316	Low Temperature Adhesive Bonding-Based Fabrication of an Air-Borne Flexible Piezoelectric Micromachined Ultrasonic Transducer. <b>2020</b> , 20,	3
315	Machine-knitted washable sensor array textile for precise epidermal physiological signal monitoring. <b>2020</b> , 6, eaay2840	152
314	Wearable skin-like optoelectronic systems with suppression of motion artifacts for cuff-less continuous blood pressure monitor. <b>2020</b> , 7, 849-862	41
313	A wearable freestanding electrochemical sensing system. <b>2020</b> , 6, eaaz0007	49
312	Toward precision health: applying artificial intelligence analytics to digital health biometric datasets. <b>2020</b> , 17, 307-316	4
311	Sign-to-speech translation using machine-learning-assisted stretchable sensor arrays. <b>2020</b> , 3, 571-578	246
310	CMRDF: A Real-Time Food Alerting System Based on Multimodal Data. <b>2020</b> , 1-1	2
309	Ultrasound Measurement of Skeletal Muscle Contractile Parameters Using Flexible and Wearable Single-Element Ultrasonic Sensor. <b>2020</b> , 20,	6
308	A breathable, biodegradable, antibacterial, and self-powered electronic skin based on all-nanofiber triboelectric nanogenerators. <b>2020</b> , 6, eaba9624	283
307	Noninvasive Diagnosis of Nonalcoholic Fatty Liver Disease and Quantification of Liver Fat with Radiofrequency Ultrasound Data Using One-dimensional Convolutional Neural Networks. <b>2020</b> , 295, 342-350	33

306	Nonlinearly Frequency-Adaptive, Self-Powered, Proton-Driven Somatosensor Inspired by a Human Mechanoreceptor. <b>2020</b> , 5, 845-852	6
305	A 0.065-mm Monolithically-Integrated Ultrasonic Wireless Sensing Mote for Real-Time Physiological Temperature Monitoring. <b>2020</b> , 14, 412-424	20
304	Flexible inorganic bioelectronics. <b>2020</b> , 4,	69
303	Interfacing Bioelectronics and Biomedical Sensing. <b>2020</b> ,	5
302	A Wireless Textile-Based Sensor System for Self-Powered Personalized Health Care. <b>2020</b> , 2, 896-907	183
301	Cyber-Physiochemical Interfaces. <b>2020</b> , 32, e1905522	37
300	Flexible Piezoelectric Nanofibers/Polydimethylsiloxane-Based Pressure Sensor for Self-Powered Human Motion Monitoring. <b>2020</b> , 8, 1901242	18
299	Novel Flexible Triboelectric Nanogenerator based on Metallized Porous PDMS and Parylene C. <b>2020</b> , 13, 1625	10
298	Mussel-Inspired Hydrogels for Self-Adhesive Bioelectronics. <b>2020</b> , 30, 1909954	127
297	High frequency needle ultrasonic transducers based on Mn doped piezoelectric single crystal. <b>2020</b> , 832, 154951	9
296	Ultrasound Powered Implants: Design, Performance Considerations and Simulation Results. <b>2020</b> , 10, 6537	7
295	Wearable Sensing and Telehealth Technology with Potential Applications in the Coronavirus Pandemic. <b>2021</b> , 14, 48-70	86
294	Flexible and Stretchable Microwave Electronics: Past, Present, and Future Perspective. <b>2021</b> , 6, 2000759	20
293	Preliminary comparison of respiratory signals using acceleration on neck and humidity in exhaled air. <b>2021</b> , 27, 1-9	3
292	Black Phosphorus@Laser-Engraved Graphene Heterostructure-Based Temperature/Strain Hybridized Sensor for Electronic-Skin Applications. <b>2021</b> , 31, 2007661	38
291	Self-powered ultrasensitive pulse sensors for noninvasive multi-indicators cardiovascular monitoring. <b>2021</b> , 81, 105614	23
290	Flexible piezoelectric micro ultrasonic transducer array integrated on various flexible substrates. <b>2021</b> , 317, 112476	5
289	Hybridized wearable patch as a multi-parameter and multi-functional human-machine interface. <b>2021</b> , 81, 105582	36



288	Making use of nanoenergy from human Nanogenerator and self-powered sensor enabled sustainable wireless IoT sensory systems. <b>2021</b> , 36, 101016	79
287	The frequency-response behaviour of flexible piezoelectric devices for detecting the magnitude and loading rate of stimuli. <b>2021</b> , 9, 584-594	14
286	The impact of chemical engineering and technological advances on managing diabetes: present and future concepts. <b>2021</b> , 50, 2102-2146	12
285	A cost-effective smartphone-based device for ankle-brachial index (ABI) detection. <b>2021</b> , 198, 105790	2
284	Continuous and Accurate Blood Pressure Monitoring Based on Wearable Optical Fiber Wristband. <b>2021</b> , 21, 3049-3057	7
283	Noninvasive and Nonocclusive Blood Pressure Monitoring via a Flexible Piezo-Composite Ultrasonic Sensor. <b>2021</b> , 21, 2642-2650	13
282	Wearable Devices to Monitor and Reduce the Risk of Cardiovascular Disease: Evidence and Opportunities. <b>2021</b> , 72, 459-471	10
281	Improved Ring-Down Time and Axial Resolution of pMUTs via a Phase-Shift Excitation Scheme. <b>2021</b> ,	4
280	Photoacoustic and piezo-ultrasound hybrid-induced energy transfer for 3D twining wireless multifunctional implants. <b>2021</b> , 14, 1490-1505	7
279	IoT Based Wearable Healthcare System: Post COVID-19. <b>2021</b> , 305-321	5
278	. <b>2021</b> , 1-1	1
277	Recent progress of skin-integrated electronics for intelligent sensing. <b>2021</b> , 2, 1-20	7
276	Well-rounded devices: the fabrication of electronics on curved surfaces - a review. <b>2021</b> , 8, 1926-1958	13
275	Enabling Wearable Pulse Transit Time-Based Blood Pressure Estimation for Medically Underserved Areas and Health Equity: Comprehensive Evaluation Study (Preprint).	
274	Development of Triboelectric Sensors for IoT and Wearable Applications. <b>2021</b> ,	1
273	Trends and Challenges of Wearable Multimodal Technologies for Stroke Risk Prediction. <b>2021</b> , 21,	8
272	Strain-insensitive intrinsically stretchable transistors and circuits. <b>2021</b> , 4, 143-150	56
271	Deep Learning for Ultrasound Beamforming in Flexible Array Transducer. <b>2021</b> , 40, 3178-3189	3

270	Vibrocarotidography: A Novel Measurement Technique to Quantify Pulsations at Common Carotid Arteries. <b>2021</b> , 1-1		
269	Wearable plasmonic-metasurface sensor for noninvasive and universal molecular fingerprint detection on biointerfaces. <b>2021</b> , 7,		57
268	An epidermal patch for the simultaneous monitoring of haemodynamic and metabolic biomarkers. <i>Nature Biomedical Engineering</i> , <b>2021</b> , 5, 737-748	19	119
267	Pneumatic Enabled Vertical Interconnect Access of Liquid Alloy Circuits toward Highly Integrated Stretchable Electronics. <b>2021</b> , 6, 2000966		5
266	From Diagnosis to Treatment: Recent Advances in Patient-Friendly Biosensors and Implantable Devices. <b>2021</b> , 15, 1960-2004		51
265	Achievements and Challenges in Sensor Devices. <b>2021</b> , 1,		3
264	Flexible Sensors Based on OrganicInorganic Hybrid Materials. <b>2021</b> , 6, 2000889		10
263	Flexible and Stretchable Ultrasonic Transducer Array Conformed to Complex Surfaces. <b>2021</b> , 42, 240-243		5
262	Stretchable ITO-Free Organic Solar Cells with Intrinsic Anti-Reflection Substrate for High-Efficiency Outdoor and Indoor Energy Harvesting. <b>2021</b> , 31, 2010172		15
261	Pressure Waveform Estimation in Elastic Vessels Using Exciter-Detector Devices: Towards a Novel Approach for Cardiovascular Condition Assessment. <b>2021</b> , 21, 5389-5401		
260	[Lancet Commission on Hypertension Group position statement on the global improvement of accuracy standards for devices that measure blood pressurePosicionamento do Grupo da sobre a melhoria global dos padrões de acurácia para aparelhos que medem a pressão arterial]. <b>2020</b> , 44, e21		0
259	A self-sustainable wearable multi-modular E-textile bioenergy microgrid system. <b>2021</b> , 12, 1542		56
258	Skin-Inspired Pressure Sensor with MXene/P(VDF-TrFE-CFE) as Active Layer for Wearable Electronics. <b>2021</b> , 11,		5
257	Recent Progress on Flexible Capacitive Pressure Sensors: From Design and Materials to Applications. <b>2021</b> , 6, 2001023		26
256	Nanoscale Bilayer Mechanical Lithography Using Water as Developer. <b>2021</b> , 21, 3827-3834		1
255	All-in-one conformal epidermal patch for multimodal biosensing. <b>2021</b> , 4, 1102-1105		19
254	Self-Assembled Wavy Optical Microfiber for Stretchable Wearable Sensor. <b>2021</b> , 9, 2002206		7
253	Progress in the Assessment of Arterial Stiffness. <b>2021</b> , 24, 54-59		

252	Imperceptible energy harvesting device and biomedical sensor based on ultraflexible ferroelectric transducers and organic diodes. <b>2021</b> , 12, 2399	29
251	Fabrication, characterization and applications of graphene electronic tattoos. <b>2021</b> , 16, 2395-2417	13
250	Magnetically induced micropillar arrays for an ultrasensitive flexible sensor with a wireless recharging system. <b>2021</b> , 64, 1977-1988	4
249	Application of a sub-0.1-mm implantable mote for in vivo real-time wireless temperature sensing. <b>2021</b> , 7,	16
248	Self-Powered, Stretchable, and Wearable Ion Gel Mechanoreceptor Sensors. <b>2021</b> , 6, 1940-1948	7
247	Flexible Wearable Sensors for Cardiovascular Health Monitoring. <b>2021</b> , 10, e2100116	24
246	Medical Physics and Imaging: A Timely Perspective. <b>2021</b> , 9,	2
245	Soft Wearable Healthcare Materials and Devices. <b>2021</b> , 10, e2100577	16
244	Effects of particle size of dielectric fillers on the output performance of piezoelectric and triboelectric nanogenerators. <b>2021</b> , 10, 991	5
243	Utilizing pulse dynamics for non-invasive Raman spectroscopy of blood analytes. <b>2021</b> , 180, 113115	1
242	Differentiation of Multiple Mechanical Stimuli by a Flexible Sensor Using a Dual-Interdigital-Electrode Layout for Bodily Kinesthetic Identification. <b>2021</b> , 13, 26394-26403	4
241	Feasibility Study on Subcutaneously Implanted Devices in Male Rodents for Cardiovascular Assessment Through Near-Field Communication Interface. <b>2021</b> , 3, 2100053	1
240	Review of flexible microelectromechanical system sensors and devices. <b>2021</b> , 4, 025001	7
239	Measurement of Blood Pressure via a Skin-Mounted, Non-Invasive Pressure Sensor. <b>2021</b> , 88,	2
238	Continuous Artery Wall Motion Tracking Using Flexible and Wearable Ultrasonic Sensor by Signal Decomposition. <b>2021</b> ,	1
237	Low-powered implantable devices activated by ultrasonic energy transfer for physiological monitoring in soft tissue via functionalized electrochemical electrodes. <b>2021</b> , 182, 113175	4
236	V2O5 Nanowires-Based Flexible Temperature Sensor. <b>2021</b> ,	1
235	Digital Technologies for Emotion-Regulation Assessment and Intervention: A Conceptual Review.. <b>2022</b> , 10, 3-26	2

234	Attenuation of Curved Structural Surfaces in PMUT Measurements. <b>2021</b> ,		1
233	Ambulatory monitoring promises equitable personalized healthcare delivery in underrepresented patients. <b>2021</b> , 2, 494-510		2
232	Cuffless Blood Pressure Monitors: Principles, Standards and Approval for Medical Use. <b>2021</b> , E104.B, 580-586		4
231	Novel Digital Technologies for Blood Pressure Monitoring and Hypertension Management. <b>2021</b> , 15, 11		1
230	Flexible Hybrid Electronics for Monitoring Hypoxia. <b>2021</b> , 15, 559-567		
229	Active-Sensing Epidermal Stretchable Bioelectronic Patch for Noninvasive, Conformal, and Wireless Tendon Monitoring. <b>2021</b> , 2021, 9783432		1
228	Stretchable, Self-Healing, and Skin-Mounted Active Sensor for Multipoint Muscle Function Assessment. <b>2021</b> , 15, 10130-10140		22
227	Enabling the Unconstrained Epidermal Pulse Wave Monitoring via Finger-Touching. <b>2021</b> , 31, 2102378		11
226	Reprint of:The materials science of skin: Analysis, characterization, and modeling. <b>2021</b> , 120, 100816		0
225	Continuous monitoring of deep-tissue haemodynamics with stretchable ultrasonic phased arrays. <i>Nature Biomedical Engineering</i> , <b>2021</b> , 5, 749-758	19	23
224	Flexible Ultrasonic Patch for Accelerating Chronic Wound Healing. <b>2021</b> , 10, e2100785		7
223	Clinical Validation of a Soft Wireless Continuous Blood Pressure Sensor During Surgery. <b>2021</b> , 3, 696606		1
222	Inhalable nanocatchers for SARS-CoV-2 inhibition. <b>2021</b> , 118,		11
221	Wearable sensors of the elasticity of deeper skin. <i>Nature Biomedical Engineering</i> , <b>2021</b> , 5, 641-642	19	1
220	Wearable Biosupercapacitor: Harvesting and Storing Energy from Sweat. <b>2021</b> , 31, 2102915		16
219	Piezoelectric Nanomaterials Activated by Ultrasound: The Pathway from Discovery to Future Clinical Adoption. <b>2021</b> ,		21
218	Extraction of Radial-Artery Strain and Stiffness by Using Noninvasive Ultrasound and a Low-Power Peak Detector. <b>2021</b> , 5, 1-4		1
217	An Integrated 2D Ultrasound Phased Array Transmitter in CMOS With Pixel Pitch-Matched Beamforming. <b>2021</b> , 15, 731-742		6

216	Wearable sensors and devices for real-time cardiovascular disease monitoring. <b>2021</b> , 2, 100541	11
215	The Role of Unobtrusive Continuous Sensing in the Diagnosis and Management of Post-Acute Sequelae of SARS CoV-2 (Preprint).	
214	Ambulatory Cardiovascular Monitoring Via a Machine-Learning-Assisted Textile Triboelectric Sensor. <b>2021</b> , 33, e2104178	56
213	Control of the activity of CAR-T cells within tumours via focused ultrasound. <i>Nature Biomedical Engineering</i> , <b>2021</b> , 5, 1336-1347	19 21
212	Enabling Wearable Pulse Transit Time-Based Blood Pressure Estimation for Medically Underserved Areas and Health Equity: Comprehensive Evaluation Study. <b>2021</b> , 9, e27466	1
211	Review of 3D-printing technologies for wearable and implantable bio-integrated sensors. <b>2021</b> , 65, 491-502	2
210	Ultrasound-driven electrical stimulation of peripheral nerves based on implantable piezoelectric thin film nanogenerators. <b>2021</b> , 86, 106123	9
209	Two-dimensional van der Waals thin film transistors as active matrix for spatially resolved pressure sensing. <b>2021</b> , 14, 3395-3401	1
208	Pulse Arrival Time Segmentation Into Cardiac and Vascular Intervals - Implications for Pulse Wave Velocity and Blood Pressure Estimation. <b>2021</b> , 68, 2810-2820	6
207	Multichannel Piezo-Ultrasound Implant with Hybrid Waterborne Acoustic Metastructure for Selective Wireless Energy Transfer at Megahertz Frequencies. <b>2021</b> , 33, e2104251	4
206	AI enabled sign language recognition and VR space bidirectional communication using triboelectric smart glove. <b>2021</b> , 12, 5378	46
205	Sensing beyond itself: Multi-functional use of ubiquitous signals towards wearable applications. <b>2021</b> , 116, 103091	3
204	Recent Progress in 3D printing Piezoelectric Materials for Biomedical Applications.	1
203	An acoustic blood pressure sensing scheme using time of flight and shear wave elastography techniques. <b>2021</b> , 330, 112865	0
202	A flexible, stretchable system for simultaneous acoustic energy transfer and communication. <b>2021</b> , 7, eabg2507	13
201	Textile Triboelectric Nanogenerators for Wearable Pulse Wave Monitoring. <b>2021</b> , 39, 1078-1092	43
200	A self-powered and high-frequency vibration sensor with layer-powder-layer structure for structural health monitoring. <b>2021</b> , 90, 106366	7
199	A conducting polymer PEDOT:PSS hydrogel based wearable sensor for accurate uric acid detection in human sweat. <b>2021</b> , 348, 130674	20

198	Materials, Devices, and Applications for Wearable and Implantable Electronics. <b>2021</b> , 3, 485-503		10
197	Electronic-ECM: A Permeable Microporous Elastomer for an Advanced Bio-Integrated Continuous Sensing Platform. <b>2020</b> , 5, 2000242		3
196	Skin-Like Electronics for Perception and Interaction: Materials, Structural Designs, and Applications. <b>2021</b> , 3, 2000108		3
195	Low-Hysteresis and Ultrasensitive Microcellular Structures for Wearable Electronic Applications. <b>2021</b> , 13, 1632-1643		7
194	Bioinspired Gradient Conductivity and Stiffness for Ultrasensitive Electronic Skins. <b>2021</b> , 15, 1795-1804		38
193	Acoustogenetic Control of CAR T Cells via Focused Ultrasound.		2
192	Multi-Point Near-Field RF Sensing of Blood Pressures and Heartbeat Dynamics. <b>2020</b> , 8, 89935-89945		11
191	Piezoelectric Micromachined Ultrasonic Transducer for Arterial Wall Dynamics Monitoring. <b>2021</b> , PP,		1
190	Self-Powered, Ultrathin, and Transparent Printed Pressure Sensor for Biosignal Monitoring. <b>2021</b> , 3, 4362-4375		
189	Wirelessly operated bioelectronic sutures for the monitoring of deep surgical wounds. <i>Nature Biomedical Engineering</i> , <b>2021</b> , 5, 1217-1227	19	9
188	Soft wearable sensors for monitoring symptoms of COVID-19 and other respiratory diseases: a review. <b>2022</b> , 4, 012001		2
187	Softsonics: a device to take blood-pressure readings continuously. <b>2020</b> ,		1
186	Flexible Doppler ultrasound device for the monitoring of blood flow velocity. <b>2021</b> , 7, eabi9283		7
185	Recent Progress in Intelligent Wearable Sensors for Health Monitoring and Wound Healing Based on Biofluids. <b>2021</b> , 9, 765987		3
184	Integrated Transceivers for Emerging Medical Ultrasound Imaging Devices: A Review. <b>2021</b> , 1, 104-114		3
183	Stretchable self-powered epidermal electronics from piezoelectric rubber for tactile sensing. <b>2020</b> , 69, 178701		1
182	A Wearable Optical Fiber Wristband for Continuous and Accurate Blood Pressure Monitoring. <b>2020</b> ,		
181	Minimally Invasive Technologies for Biosensing. <b>2020</b> , 193-223		

180	Dissecting Biological and Synthetic Soft-Hard Interfaces for Tissue-Like Systems. <b>2021</b> ,	5
179	Monitoring of Physiological Sounds with Wearable Device based on Piezoelectric MEMS Acoustic Sensor.	6
178	The Role of Unobtrusive Home-Based Continuous Sensing in the Management of Post-Acute Sequelae of SARS CoV-2.. <b>2021</b> ,	
177	. <b>2021</b> ,	1
176	Piezoelectric MEMS Evolution from sensing technology to diversified applications in the 5G / Internet of Things (IoT) era.	12
175	Calcium-Modified Silk Patch as a Next-Generation Ultrasound Coupling Medium. <b>2021</b> , 13, 55827-55839	1
174	Graded Microstructured Flexible Pressure Sensors with High Sensitivity and an Ultrabroad Pressure Range for Epidermal Pulse Monitoring. <b>2021</b> , 13, 55747-55755	0
173	An Alignment-Free Sensing Module for Noninvasive Radial Artery Blood Pressure Measurement. <b>2021</b> , 10, 2896	0
172	Flexible and Wearable Ultrasound Device for Medical Applications: A Review on Materials, Structural Designs, and Current Challenges. 2100798	2
171	Recent Progress in Materials Chemistry to Advance Flexible Bioelectronics in Medicine. <b>2021</b> , e2106787	5
170	Measurement of Blood Pressure by Ultrasound-The Applicability of Devices, Algorithms and a View in Local Hemodynamics.. <b>2021</b> , 11,	0
169	Introduction. <b>2022</b> , 1-38	
168	Evolving Flexible Sensors, Wearable and Implantable Technologies Towards BodyNET for Advanced Healthcare and Reinforced Life Quality. <b>2021</b> , 2, 702-720	9
167	Surpassing the stiffness-extensibility trade-off of elastomers via mastering the hydrogen-bonding clusters. <b>2022</b> , 5, 237-252	3
166	Bioinspired design of highly sensitive flexible tactile sensors for wearable healthcare monitoring. <b>2022</b> , 23, 100718	5
165	A thin transducer with integrated acoustic metamaterial for cardiac CT imaging and gating.. <b>2021</b> , PP,	1
164	High-frame-rate A-mode ultrasound for calibration-free cuffless carotid pressure: feasibility study using lower body negative pressure intervention.. <b>2022</b> , 1-12	0
163	Arterial stiffness probed by dynamic ultrasound elastography characterizes waveform of blood pressure.. <b>2022</b> , PP,	

162	Laser-Engraved Liquid Metal Circuit for Wearable Electronics.. <b>2022</b> , 9,	1
161	Wearable Pressure Sensors for Pulse Wave Monitoring.. <b>2022</b> , e2109357	36
160	Designing wearable microgrids: towards autonomous sustainable on-body energy management. <b>2022</b> , 15, 82-101	11
159	Recent Advances in Materials and Flexible Sensors for Arrhythmia Detection.. <b>2022</b> , 15,	1
158	Recent advances in flexible and wearable sensors for monitoring chemical molecules.. <b>2022</b> ,	6
157	Ultrasensitive Multimodal Tactile Sensors with Skin-Inspired Microstructures through Localized Ferroelectric Polarization.. <b>2022</b> , e2105423	8
156	Fabrication of a tactile sensor for artificial skin based on electrical impedance tomography. <b>2022</b> , 10, 100116	1
155	Continuous Artery Monitoring Using a Flexible and Wearable Single-Element Ultrasonic Sensor. <b>2022</b> , 25, 6-11	0
154	Design and fabrication of non-periodic 1B composite structure for ultrasonic transducer application. <b>2022</b> , 285, 115249	0
153	Ultrasound-based method for individualized estimation of central aortic blood pressure from flow velocity and diameter.. <b>2022</b> , 143, 105254	0
152	A nature-inspired hierarchical branching structure pressure sensor with high sensitivity and wide dynamic range for versatile medical wearables.. <b>2022</b> , 203, 114028	1
151	Polyaniline-nanospines engineered nanofibrous membrane based piezoresistive sensor for high-performance electronic skins. <b>2022</b> , 95, 106970	7
150	Subcutaneous and Continuous Blood Pressure Monitoring by PMUTs in an Ambulatory Sheep. <b>2022</b> ,	0
149	Superelastic alloy based electrical interconnects for highly stretchable electronics. <b>2022</b> , 6,	0
148	Flexible, wearable biosensors for digital health. <b>2022</b> , 100118	3
147	A gold nanowire-integrated soft wearable system for dynamic continuous non-invasive cardiac monitoring.. <b>2022</b> , 205, 114072	2
146	Bio-Impedance Sensor for Real-Time Artery Diameter Waveform Assessment.. <b>2021</b> , 21,	0
145	Piezoelectric nanogenerators for personalized healthcare.. <b>2022</b> ,	23



144	Flexible dual-channel digital auscultation patch with active noise reduction for bowel sound monitoring and application.. <b>2022</b> , PP,	1
143	Singlemode-Multimode-Singlemode Optical Fiber Sensor for Accurate Blood Pressure Monitoring. <b>2022</b> , 1-1	1
142	Flexible Tensile Strain-Pressure Sensor with an Off-Axis Deformation-Insensitivity.	
141	Flexible Electronics and Devices as Human-Machine Interfaces for Medical Robotics.. <b>2021</b> , e2107902	26
140	Flexible and Stretchable Bioelectronics.. <b>2022</b> , 15,	3
139	The Need to Pair Molecular Monitoring Devices with Molecular Imaging to Personalize Health.. <b>2022</b> , 1	0
138	Wearable All-Gel Multimodal Cutaneous Sensor Enabling Simultaneous Single-Site Monitoring of Cardiac-Related Biophysical Signals.. <b>2022</b> , e2110082	6
137	Wet-Adhesive Elastomer for Liquid Metal-Based Conformal Epidermal Electronics. 2200444	9
136	Advanced Electronics and Artificial Intelligence: Must-Have Technologies Toward Human Body Digital Twins. 2100263	1
135	Piezoelectric Dynamics of Arterial Pulse for Wearable Continuous Blood Pressure Monitoring.. <b>2022</b> , e2110291	14
134	Pushing detectability and sensitivity for subtle force to new limits with shrinkable nanochannel structured aerogel.. <b>2022</b> , 13, 1119	12
133	Soft wearable devices for deep-tissue sensing.	10
132	A robust and flexible pulse wave sensory array enabling real-time non-invasive blood pressure monitoring. <b>2022</b> , 7, 014014	
131	Mapping and Simultaneous Detection of Arterial and Venous Pulses using Large-Scale High-Density Flexible Piezoelectret Sensor Array. 2200012	1
130	Understanding and designing metal matrix nanocomposites with high electrical conductivity: a review. <b>2022</b> , 57, 6487-6523	2
129	Hybrid-Piezoelectret Based Highly Efficient Ultrasonic Energy Harvester for Implantable Electronics. 2200589	2
128	Stretchable Electronic Facial Masks for Sonophoresis.. <b>2022</b> ,	1
127	A flexible micro direct methanol fuel cells array based on FPCB. <b>2022</b> , 258, 115469	0

126	Cuffless Blood Pressure Measurement.. <b>2022,</b>	3
125	Design of a Barometer-Based Pulse-Taking Device With In Vivo Validation Against High-Frequency Ultrasound Pulse Wave Imaging. <b>2022,</b> 22, 7219-7230	
124	Multi-deformable piezoelectric energy nano-generator with high conversion efficiency for subtle body movements. <b>2022,</b> 97, 107223	0
123	Cerrahi Hemireli Alannda Giyilebilir Teknoloji Kullanmı. <b>2021,</b> 646-656	
122	Soft Bioelectronics Based on Nanomaterials.. <b>2021,</b>	11
121	Wearable Pulse Wave Sensor and Interface for Real-Time Dynamic Blood Pressure Monitoring. <b>2021</b>	0
120	Skin bioelectronics towards long-term, continuous health monitoring.. <b>2022,</b>	11
119	Measurements of arterial pressure and flow in vivo. <b>2022,</b> 27-47	1
118	Wearable Smartwatch based on Optical Fiber for Continuous Blood Pressure Monitoring.. <b>2022,</b>	
117	Curved Photodetectors Based on Perovskite Microwire Arrays via In Situ Conformal Nanoimprinting. 2202277	5
116	Surface Wettability for Skin-Interfaced Sensors and Devices. 2200260	8
115	A Flexible TENG Based on Micro-Structure Film for Speed Skating Techniques Monitoring and Biomechanical Energy Harvesting.. <b>2022,</b> 12,	0
114	Recent Advancements in Ultrasound Transducer: From Material Strategies to Biomedical Applications. <b>2022,</b> 2022, 1-19	1
113	Reprint of: Sensing beyond itself: Multi-functional use of ubiquitous signals towards wearable applications. <b>2022,</b> 125, 103571	
112	Breathable Nanomesh pressure sensor with layered polyaniline grown at Gas-liquid interface. <b>2022,</b> 445, 136717	0
111	Flexible triboelectric nanogenerator toward ultrahigh-frequency vibration sensing.	0
110	Flexible tensile strain-pressure sensor with an off-axis deformation-insensitivity. <b>2022,</b> 99, 107384	0
109	Flexible Lead-Free Piezoelectric Arrays for High-Efficiency Wireless Ultrasonic Energy Transfer and Communication.	2

108	Ultrasound Monitoring of Microcirculation: An original study from the laboratory bench to the clinic.	0
107	A Review of Noninvasive Methodologies to Estimate the Blood Pressure Waveform. <b>2022</b> , 22, 3953	1
106	Application of Telemedicine in COVID-19: A Bibliometric Analysis. <b>2022</b> , 10,	0
105	All-printed soft human-machine interface for robotic physicochemical sensing. <b>2022</b> , 7,	12
104	Continuous cuffless monitoring of arterial blood pressure via graphene bioimpedance tattoos.	6
103	Waste Silicone Rubber in Three-Dimensional Conductive Networks as a Temperature and Movement Sensor.	1
102	Closing the loop for patients with Parkinson disease: where are we?.	3
101	Minimally-invasive and non-invasive flexible devices for robust characterizations of deep tissues. <b>2022</b> ,	
100	Superior Performances Via Designed Multiple Sub-Hierarchical Embossments within Interfaces for Flexible Sensors.	
99	A Flexible Ultrasound Array for Local Pulse Wave Velocity Monitoring. <b>2022</b> , 12, 479	0
98	Kirigami Inspired Pressure Sensors for Wearable Dynamic Cardiovascular Monitoring. 2202478	6
97	Tandem Self-Powered Flexible Electrochromic Energy Supplier for Sustainable All-Day Operations. 2201042	1
96	Recent advances in microsystem approaches for mechanical characterization of soft biological tissues. <b>2022</b> , 8,	
95	Graphene electronic tattoos 2.0 with enhanced performance, breathability and robustness. <b>2022</b> , 6,	1
94	Automated Force-Coupled Ultrasound Method for Calibration-Free Carotid Artery Blood Pressure Estimation. <b>2022</b> ,	0
93	A comprehensive review on the prospects of next-generation wearable electronics for individualized health monitoring, assistive robotics, and communication. <b>2022</b> , 344, 113715	4
92	Flexible sensor based on Hair-like microstructured ionic hydrogel with high sensitivity for pulse wave detection. <b>2022</b> , 450, 137929	0
91	Stretchable Sponge Electrodes for Long-Term and Motion-Artifact-Tolerant Recording of High-Quality Electrophysiologic Signals.	3

90	Organic-Inorganic Hybrid Perovskite Materials for Ultrasonic Transducer in Medical Diagnosis. <b>2022</b> , 12, 1043	
89	End-to-end design of wearable sensors.	22
88	Bioadhesive ultrasound for long-term continuous imaging of diverse organs. <b>2022</b> , 377, 517-523	20
87	Controlled tough bioadhesion mediated by ultrasound. <b>2022</b> , 377, 751-755	11
86	A wearable electrochemical biosensor for the monitoring of metabolites and nutrients.	20
85	Blood pressure monitoring techniques in the natural state of multi-scenes: A review. 9,	
84	Piezoelectric approaches for wearable continuous blood pressure monitoring: a review. <b>2022</b> , 32, 103003	0
83	Mechanically Active Materials and Devices for Bio-Interfaced Pressure Sensors [A Review. 2205609	2
82	Opto-ultrasound biosensor for wearable and mobile devices: realization with a transparent ultrasound transducer. <b>2022</b> , 13, 4684	1
81	Flexible pressure sensor for high-precision measurement of epidermal arterial pulse. <b>2022</b> , 102, 107710	0
80	Magnetostrictive biomechanical energy harvester with a hybrid force amplifier. <b>2022</b> , 233, 107652	0
79	Self-powered, high sensitivity printed e-tattoo sensor for unobtrusive arterial pulse wave monitoring. <b>2022</b> , 102, 107625	4
78	High-adhesion PDMS/Ag conductive composites for flexible hybrid integration. <b>2023</b> , 451, 138730	
77	Knitted structural design of MXene/Cu <sub>2</sub> O based strain sensor for smart wear.	0
76	A high-applicability, high-durability wearable hybrid nanogenerator with magnetic suspension structure toward health monitoring applications. <b>2022</b> , 103, 107774	0
75	Ultra-Thin Flexible Encapsulating Materials for Soft Bio-Integrated Electronics. 2202980	4
74	Triboelectric Nanogenerator Based on PTFE Plastic Waste Bottle and Aluminum Foil. <b>2022</b> , 2, 203-213	0
73	Functionality of Flexible Pressure Sensors in Cardiovascular Health Monitoring: A Review. <b>2022</b> , 7, 2495-2520	2

72	Design of Flexible Piezoelectric Energy Harvesters. <b>2022</b> , 11-61	○
71	Flexible Piezoelectric Sensors. <b>2022</b> , 199-215	○
70	Introduction. <b>2022</b> , 1-10	○
69	Flexible ultrasound transceiver array for non-invasive surface-conformable imaging enabled by geometric phase correction. <b>2022</b> , 12,	○
68	Multimanipulator Robotic System for Ultrasound Tomography: Design, Calibration, and Image Results. <b>2022</b> , 16,	○
67	The promise and pitfalls of novel cuffless blood pressure devices.	○
66	Wearable, wireless, multi-sensor device for monitoring tissue circulation after free-tissue transplantation: a multicentre clinical trial. <b>2022</b> , 12,	○
65	Highly Sensitive Zwitterionic Hydrogel Sensor for Motion and Pulse Detection with Water Retention, Adhesive, Antifreezing, and Self-Healing Properties.	○
64	Effect of Platinum Buffer Layer on the Fabrication Process of Flexible Ferroelectric Epitaxial Thin Films. <b>2022</b> , 142, 1060-1063	○
63	Transfer printing technologies for soft electronics.	○
62	Translational gaps and opportunities for medical wearables in digital health. <b>2022</b> , 14,	1
61	Mapping of Spatiotemporal Auricular Electrophysiological Signals Reveals Human Biometric Clusters. 2201404	○
60	Hydrogel interfaces for merging humans and machines.	11
59	Clustered Regularly Interspaced short palindromic repeats-Based Microfluidic System in Infectious Diseases Diagnosis: Current Status, Challenges, and Perspectives. 2204172	○
58	A Flexible Near-Field Biosensor for Multisite Arterial Blood Flow Detection. <b>2022</b> , 22, 8389	○
57	Transcranial Ultrasound Imaging with Decomposition Descent Learning based Full Waveform Inversion. <b>2022</b> , 1-1	○
56	Capacitive-piezoresistive hybrid flexible pressure sensor based on conductive micropillar arrays with high sensitivity over a wide dynamic range.	1
55	Preparation of Conductive Screen-Printing Ink for High-Performance Bendable and Wearable ECG Electrodes on Fabric Substrates. <b>2022</b> , 1-1	○

54	In-silico Blood Pressure Models Comparison. <b>2022</b> , 1-1	0
53	Superior performances via designed multiple embossments within interfaces for flexible pressure sensors. <b>2023</b> , 454, 139990	0
52	Multi-vital on-skin optoelectronic biosensor for assessing regional tissue hemodynamics.	0
51	PPG2ABP: Translating Photoplethysmogram (PPG) Signals to Arterial Blood Pressure (ABP) Waveforms. <b>2022</b> , 9, 692	2
50	Wearable super-resolution muscle-machine interfacing. 16,	0
49	The Soft-Strain Effect Enabled High-Performance Flexible Pressure Sensor and Its Application in Monitoring Pulse Waves. <b>2022</b> , 2022,	0
48	A multisensory-feedback tactile glove with dense coverage of sensing arrays for object recognition. <b>2023</b> , 455, 140890	0
47	Foldable and wearable supercapacitors for powering healthcare monitoring applications with improved performance based on hierarchically co-assembled CoO/NiCo networks. <b>2023</b> , 634, 715-729	0
46	Flexible Wearable Sensors in Medical Monitoring. <b>2022</b> , 12, 1069	1
45	Flexible PolyCMUTs: Fabrication and Characterization of a Flexible Polymer-Based Capacitive Micromachined Ultrasonic Array for Conformal Ultrasonography. 2201316	0
44	A Flexible Pressure Sensor with a Mesh Structure Formed by Lost Hair for Human Epidermal Pulse Wave Monitoring. <b>2023</b> , 23, 45	1
43	Ultrasoft and Ultrastretchable Wearable Strain Sensors with Anisotropic Conductivity Enabled by Liquid Metal Fillers. <b>2023</b> , 14, 17	1
42	Recent advancements in digital health management using multi-modal signal monitoring. <b>2023</b> , 20, 5194-5222	1
41	Recent Advances in Flexible Ultrasonic Transducers: From Materials Optimization to Imaging Applications. <b>2023</b> , 14, 126	0
40	Stable and Dynamic Multiparameter Monitoring on Chests Using Flexible Skin Patches with Self-Adhesive Electrodes and a Synchronous Correlation Peak Extraction Algorithm. 2202629	0
39	Recent Progress on Hydrogel-Based Piezoelectric Devices for Biomedical Applications. <b>2023</b> , 14, 167	0
38	Emerging Wearable Chemical Sensors Enabling Advanced Integrated Systems toward Personalized and Preventive Medicine. <b>2023</b> , 95, 490-514	1
37	Development of a Wearable Ultrasound Transducer for Sensing Muscle Activities in Assistive Robotics Applications. <b>2023</b> , 13, 134	0

- 36 Advancement in the Cuffless and Noninvasive Measurement of Blood Pressure: A Review of the Literature and Open Challenges. **2023**, 10, 27 ○
- 35 A wearable ultrasound patch for continuous heart imaging. ○
- 34 Intrinsically Stretchable, Semi-transparent Organic Photovoltaics with High Efficiency and Mechanical Robustness via Full Solution Process. ○
- 33 High-density flexible piezoelectric sensor array with double working modes. **2023**, 1-1 ○
- 32 A wearable cardiac ultrasound imager. **2023**, 613, 667-675 1
- 31 A vacuum-deposited polymer dielectric for wafer-scale stretchable electronics. ○
- 30 Plasmonic Bridge Sensor Enabled by Carbon Nanotubes and AuAg Nano-Rambutan for Multifunctional Detection of Biomechanics and Bio/Chemical Molecules. **2023**, 15, 8783-8793 ○
- 29 Flexible, ultra-wideband acoustic device for ultrasound energy harvesting and passive wireless sensing. **2023**, 108430 ○
- 28 Emerging ultrasonic bioelectronics for personalized healthcare. **2023**, 136, 101110 ○
- 27 Integrated wearable and mobile ultrasound and photoplethysmography device via transparent ultrasound transducer. **2023**, ○
- 26 Development of Real-Time Cuffless Blood Pressure Measurement Systems with ECG Electrodes and a Microphone Using Pulse Transit Time (PTT). **2023**, 23, 1684 1
- 25 Effect of platinum buffer layer on the fabrication process of flexible ferroelectric epitaxial thin films. **2023**, 106, ○
- 24 Continuous monitoring with a permanently installed high-resolution ultrasonic phased array. 147592172311524 ○
- 23 Multi-modal piezoresistive sensor based on cotton fiber aerogel/PPy for sound detection and respiratory monitoring. **2023**, 235, 109953 1
- 22 New Hemodynamic Parameters in Peri-Operative and Critical Care Challenges in Translation. **2023**, 23, 2226 ○
- 21 Elastomeric polymers for conductive layers of flexible sensors: Materials, fabrication, performance, and applications. ○
- 20 Smart Wearable Systems for Health Monitoring. **2023**, 23, 2479 1
- 19 An ultralow power wearable vital sign sensor using an electromagnetically reactive near field. ○

- 18 Wearable Two-Dimensional Nanomaterial-Based Flexible Sensors for Blood Pressure Monitoring: A Review. **2023**, 13, 852 ○
- 17 Epidermal Bioelectronics for Management of Chronic Diseases: Materials, Devices and Systems. 2200068 ○
- 16 Soft Robotic Perception System with Ultrasonic Auto-Positioning and Multimodal Sensory Intelligence. **2023**, 17, 4985-4998 1
- 15 Wearable Continuous Blood Pressure Monitoring Devices Based on Pulse Wave Transit Time and Pulse Arrival Time: A Review. **2023**, 16, 2133 ○
- 14 3D-assembled microneedle ion sensor-based wearable system for the transdermal monitoring of physiological ion fluctuations. **2023**, 9, ○
- 13 Technology Roadmap for Flexible Sensors. **2023**, 17, 5211-5295 ○
- 12 Advanced Electronic Packaging Technology: From Hard to Soft. **2023**, 16, 2346 ○
- 11 Highly Sensitive Piezoelectric E-Skin Design Based on Electromechanical Coupling Concept. 2201339 ○
- 10 Towards Real-Time Blood Pressure Monitoring via High-Fidelity Iontronic Tonometric Sensors with High Sensitivity and Large Dynamic Ranges. 2202461 ○
- 9 A stretchable wireless wearable bioelectronic system for multiplexed monitoring and combination treatment of infected chronic wounds. **2023**, 9, 1
- 8 Skin-Interfaced Wearable Sweat Sensors for Precision Medicine. ○
- 7 Piezoelectric fibers for flexible and wearable electronics. **2023**, 16, ○
- 6 A Review of Skin-Wearable Sensors for Non-Invasive Health Monitoring Applications. **2023**, 23, 3673 ○
- 5 A stretchable cardiac ultrasound imager: a milestone in wearable bioimaging. **2023**, ○
- 4 A swallowable X-ray dosimeter for the real-time monitoring of radiotherapy. ○
- 3 Nanotransducer-Enabled Deep-Brain Neuromodulation with NIR-II Light. ○
- 2 Recent Advancements in Physiological, Biochemical, and Multimodal Sensors Based on Flexible Substrates: Strategies, Technologies, and Integrations. **2023**, 15, 21721-21745 ○
- 1 On-skin biosensors for noninvasive monitoring of postoperative free flaps and replanted digits. **2023**, 15, ○



