

Jan Vanfleteren

List of Publications by Year in descending order

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199
papers

4,675
citations

109137

35
h-index

118652

62
g-index

202
all docs

202
docs citations

202
times ranked

5048
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of metal interconnects for stretchable electronic circuits. <i>Microelectronics Reliability</i> , 2008, 48, 825-832.	0.9	358
2	Real-time monitoring of metabolic function in liver-on-chip microdevices tracks the dynamics of mitochondrial dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2231-40.	3.3	238
3	Design and Fabrication of Elastic Interconnections for Stretchable Electronic Circuits. <i>IEEE Electron Device Letters</i> , 2007, 28, 552-554.	2.2	215
4	A 3D printed dry electrode for ECG/EEG recording. <i>Sensors and Actuators A: Physical</i> , 2012, 174, 96-102.	2.0	211
5	Design of an Implantable Slot Dipole Conformal Flexible Antenna for Biomedical Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2011, 59, 3556-3564.	3.1	166
6	Printed circuit board technology inspired stretchable circuits. <i>MRS Bulletin</i> , 2012, 37, 254-260.	1.7	130
7	Facile fabrication of stretchable Ag nanowire/polyurethane electrodes using high intensity pulsed light. <i>Nano Research</i> , 2016, 9, 401-414.	5.8	128
8	Adhesion enhancement by a dielectric barrier discharge of PDMS used for flexible and stretchable electronics. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 7392-7401.	1.3	106
9	Flexible and stretchable electronics for wearable health devices. <i>Solid-State Electronics</i> , 2015, 113, 116-120.	0.8	105
10	Design and implementation of advanced systems in a flexible-stretchable technology for biomedical applications. <i>Sensors and Actuators A: Physical</i> , 2009, 156, 79-87.	2.0	96
11	Polyimide-Enhanced Stretchable Interconnects: Design, Fabrication, and Characterization. <i>IEEE Transactions on Electron Devices</i> , 2011, 58, 2680-2688.	1.6	91
12	Stretchable optical waveguides. <i>Optics Express</i> , 2014, 22, 4168.	1.7	91
13	Thin-film stretchable electronics technology based on meandering interconnections: fabrication and mechanical performance. <i>Journal of Micromechanics and Microengineering</i> , 2012, 22, 015002.	1.5	88
14	Design and Manufacturing of Stretchable High-Frequency Interconnects. <i>IEEE Transactions on Advanced Packaging</i> , 2008, 31, 802-808.	1.7	82
15	Integration of stretchable and washable electronic modules for smart textile applications. <i>Journal of the Textile Institute</i> , 2012, 103, 1127-1138.	1.0	78
16	Stretchable Electronics Technology for Large Area Applications: Fabrication and Mechanical Characterization. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2013, 3, 229-235.	1.4	74
17	The effects of encapsulation on deformation behavior and failure mechanisms of stretchable interconnects. <i>Thin Solid Films</i> , 2011, 519, 2225-2234.	0.8	71
18	UTCP: A Novel Polyimide-Based Ultra-Thin Chip Packaging Technology. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2010, 33, 754-760.	1.4	67

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19	Polycrystalline CdSe films for thin film transistors. <i>Journal of Crystal Growth</i> , 1988, 86, 924-928.	0.7	64
20	Design and performance of metal conductors for stretchable electronic circuits. <i>Circuit World</i> , 2009, 35, 22-29.	0.7	60
21	Electro-conductive adhesives for high density package and flip-chip interconnections. <i>Microelectronics Reliability</i> , 2000, 40, 1215-1226.	0.9	55
22	The effect of pitch on deformation behavior and the stretching-induced failure of a polymer-encapsulated stretchable circuit. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 075036.	1.5	54
23	Wearable Flexible Lightweight Modular RFID Tag With Integrated Energy Harvester. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016, 64, 2304-2314.	2.9	54
24	Stretchable Electronic Platform for Soft and Smart Contact Lens Applications. <i>Advanced Materials Technologies</i> , 2017, 2, 1700073.	3.0	50
25	In situ observations on deformation behavior and stretching-induced failure of fine pitch stretchable interconnect. <i>Journal of Materials Research</i> , 2009, 24, 3573-3582.	1.2	48
26	Highly Reliable Flexible Active Optical Links. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 287-289.	1.3	45
27	Flexible Shear Sensor Based on Embedded Optoelectronic Components. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 771-773.	1.3	45
28	Technologies for highly miniaturized autonomous sensor networks. <i>Microelectronics Journal</i> , 2006, 37, 1563-1568.	1.1	43
29	Fabrication Processes for Embedding Thin Chips in Flat Flexible Substrates. <i>IEEE Transactions on Advanced Packaging</i> , 2009, 32, 77-83.	1.7	41
30	Stretchable Circuits with Horseshoe Shaped Conductors Embedded in Elastic Polymers. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 05DA18.	0.8	41
31	Surface characterization and stability of an epoxy resin surface modified with polyamines grafted on polydopamine. <i>Applied Surface Science</i> , 2014, 303, 465-472.	3.1	41
32	Arbitrarily Shaped 2.5D Circuits using Stretchable Interconnects Embedded in Thermoplastic Polymers. <i>Advanced Engineering Materials</i> , 2017, 19, 1700032.	1.6	40
33	Design and fabrication of a flexible dielectric sensor system for in situ and real-time production monitoring of glass fibre reinforced composites. <i>Sensors and Actuators A: Physical</i> , 2016, 243, 103-110.	2.0	39
34	Highly Efficient Impulse-Radio Ultra-Wideband Cavity-Backed Slot Antenna in Stacked Air-Filled Substrate Integrated Waveguide Technology. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 2199-2209.	3.1	39
35	Design and implementation of flexible and stretchable systems. <i>Microelectronics Reliability</i> , 2011, 51, 1069-1076.	0.9	35
36	Reliable stretchable gold interconnects in biocompatible elastomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 773-776.	2.4	35

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37	Fabrication and Verification of Conjugated AuNP-Antibody Nanoprobe for Sensitivity Improvement in Electrochemical Biosensors. <i>Scientific Reports</i> , 2017, 7, 16070.	1.6	32
38	Surface modification of an epoxy resin with polyamines and polydopamine: Adhesion toward electroless deposited copper. <i>Applied Surface Science</i> , 2015, 353, 238-244.	3.1	29
39	Multifunctional and miniaturized flexible sensor patch: Design and application for in situ monitoring of epoxy polymerization. <i>Sensors and Actuators B: Chemical</i> , 2018, 261, 144-152.	4.0	29
40	Microphysiological flux balance platform unravels the dynamics of drug induced steatosis. <i>Lab on A Chip</i> , 2018, 18, 2510-2522.	3.1	29
41	Embedding and assembly of ultrathin chips in multilayer flex boards. <i>Circuit World</i> , 2008, 34, 3-8.	0.7	28
42	Impact of geometry on stretchable meandered interconnect uniaxial tensile extension fatigue reliability. <i>Microelectronics Reliability</i> , 2015, 55, 143-154.	0.9	28
43	3D orientation tracking based on unscented Kalman filtering of accelerometer and magnetometer data. , 2009, , .		27
44	Fabrication and Characterization of Flexible Ultrathin Chip Package Using Photosensitive Polyimide. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2012, 2, 1099-1106.	1.4	27
45	Threefold Rotationally Symmetric SIW Antenna Array for Ultra-Short-Range MIMO Communication. <i>IEEE Transactions on Antennas and Propagation</i> , 2016, 64, 1689-1699.	3.1	27
46	3D Multifunctional Composites Based on Large Area Stretchable Circuit with Thermoforming Technology. <i>Advanced Electronic Materials</i> , 2018, 4, 1800071.	2.6	27
47	On the field effect in polycrystalline CdSe thin film transistors. <i>Journal of Applied Physics</i> , 1988, 64, 3282-3286.	1.1	26
48	Stretchable electronic systems. , 2006, , .		25
49	Reliability of a stretchable interconnect utilizing terminated, in-plane meandered copper conductor. <i>Microelectronics Reliability</i> , 2013, 53, 956-963.	0.9	25
50	Design and Integration of Flexible Sensor Matrix for in Situ Monitoring of Polymer Composites. <i>ACS Sensors</i> , 2018, 3, 1698-1705.	4.0	24
51	Elastic and Conformable Electronic Circuits and Assemblies using MID in polymer. , 2007, , .		23
52	SCB and SMI: two stretchable circuit technologies, based on standard printed circuit board processes. <i>Circuit World</i> , 2012, 38, 232-242.	0.7	22
53	Design of Metal Interconnects for Stretchable Electronic Circuits using Finite Element Analysis. , 2007, , .		21
54	Arbitrarily Shaped 2.5D Circuits Using Stretchable Interconnections and Embedding in Thermoplastic Polymers. <i>Procedia Technology</i> , 2014, 15, 208-215.	1.1	21

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55	An Electrochemical Biosensor Based on AuNP-Modified Gold Electrodes for Selective Determination of Serum Levels of Osteocalcin. <i>IEEE Sensors Journal</i> , 2017, 17, 3367-3374.	2.4	21
56	In-body path loss models for implants in heterogeneous human tissues using implantable slot dipole conformal flexible antennas. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2011, 2011, .	1.5	20
57	Remote Atmospheric Pressure DC Glow Discharge Treatment for Adhesion Improvement of PDMS. <i>Plasma Processes and Polymers</i> , 2009, 6, S406.	1.6	19
58	Solution-processed and low-temperature metal oxide channel thin-film transistors and low-voltage complementary circuitry on large-area flexible polyimide foil. <i>Journal of the Society for Information Display</i> , 2012, 20, 499-507.	0.8	19
59	Comparison of different flex materials in high density flip chip on flex applications. <i>Microelectronics Reliability</i> , 2003, 43, 445-451.	0.9	18
60	Ultra-Thin Chip Package (UTCP) and stretchable circuit technologies for wearable ECG system. , 2011, 2011, 6886-9.		18
61	Development of a Dielectric Sensor System for the On-line Cure Monitoring of Composites. <i>Procedia Technology</i> , 2014, 15, 631-637.	1.1	18
62	RTM Production Monitoring of the A380 Hinge Arm Droop Nose Mechanism: A Multi-Sensor Approach. <i>Sensors</i> , 2016, 16, 866.	2.1	18
63	Design and fabrication of a shielded interdigital sensor for noninvasive <i>In situ</i> real-time production monitoring of polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2028-2037.	2.4	18
64	High-voltage polycrystalline CdSe thin-film transistors. <i>IEEE Transactions on Electron Devices</i> , 1990, 37, 636-639.	1.6	17
65	Developing an Advanced Module for Back-Contact Solar Cells. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2011, 1, 1319-1327.	1.4	17
66	9.4: Stretchable 45 Å– 80 RGB LED Display Using Meander Wiring Technology. <i>Digest of Technical Papers SID International Symposium</i> , 2015, 46, 102-105.	0.1	17
67	Method for measuring the cell gap in liquid-crystal displays. <i>Optical Engineering</i> , 2001, 40, 259.	0.5	16
68	Design and fabrication of a low cost implantable bladder pressure monitor. , 2009, 2009, 4864-7.		16
69	Two axis optoelectronic tactile shear stress sensor. <i>Sensors and Actuators A: Physical</i> , 2012, 186, 63-68.	2.0	16
70	Rapid prototyping of microfluidic chips using laser-cut double-sided tape for electrochemical biosensors. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 1469-1477.	0.8	16
71	Laser based fast prototyping methodology of producing stretchable and conformable electronic systems. , 2008, , .		15
72	Arbitrarily Shaped Rigid and Smart Objects Using Stretchable Interconnections. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2016, 6, 533-544.	1.4	15

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73	The influence of low copper doping concentrations on the recrystallization process in and the electrical properties of germanium in Ge:Cu thin film transistors. <i>Thin Solid Films</i> , 1990, 189, 235-245.	0.8	14
74	Biomedical Stretchable Sytems using MID Based Stretchable Electronics Technology. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5688-91.	0.5	14
75	High-Yield Fabrication Process for 3D-Stacked Ultrathin Chip Packages Using Photo-Definable Polyimide and Symmetry in Packages. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2014, 4, 158-167.	1.4	14
76	Fabrication of 3-dimensional biodegradable microfluidic environments for tissue engineering applications. <i>Materials and Design</i> , 2016, 89, 1315-1324.	3.3	14
77	Active textile antennas in professional garments for sensing, localisation and communication. <i>International Journal of Microwave and Wireless Technologies</i> , 2014, 6, 331-341.	1.5	13
78	Elastic Interconnects for Stretchable Electronic Circuits using MID (Moulded Interconnect Device) Technology. <i>Materials Research Society Symposia Proceedings</i> , 2006, 926, 1.	0.1	12
79	Stretchable and Washable Electronics for Embedding in Textiles. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1271, 1.	0.1	12
80	Adhesive bonding by SU-8 transfer for assembling microfluidic devices. <i>Microfluidics and Nanofluidics</i> , 2012, 13, 987-991.	1.0	12
81	Fabrication of a biocompatible flexible electroosmosis micropump. <i>Microfluidics and Nanofluidics</i> , 2012, 12, 771-777.	1.0	12
82	Flexible and stretchable electronics for wearable healthcare. , 2014, , .		12
83	A new technology for rigid 3D free-form electronics based on the thermoplastic deformation of flat standard PCB type circuits. , 2016, , .		12
84	Thin film cadmium selenide technology in large area active matrix high resolution displays. <i>Microelectronic Engineering</i> , 1992, 19, 187-190.	1.1	11
85	CdSe-based thin-film integrated optical sensors. <i>Sensors and Actuators A: Physical</i> , 1992, 32, 437-441.	2.0	11
86	Design of flexible, low-power and wireless sensor nodes for human posture tracking aiding epileptic seizure detection. , 2009, , .		11
87	Fine-Pitch Capabilities of the Flat Ultra-Thin Chip Packaging (UTCP) Technology. <i>IEEE Transactions on Advanced Packaging</i> , 2010, 33, 72-78.	1.7	11
88	Embedded flexible optical shear sensor. , 2010, , .		11
89	Reliability assessment of stretchable interconnects. , 2010, , .		11
90	A Multiplexed Microfluidic Platform for Bone Marker Measurement: A Proof-of-Concept. <i>Micromachines</i> , 2017, 8, 133.	1.4	11

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91	Design Automation of Meandered Interconnects for Stretchable Circuits. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2019, 38, 1648-1660.	1.9	11
92	A comparative study of evaporated Al ₂ O ₃ , SiO ₂ and SiO ₂ -Al ₂ O ₃ thin films. Thin Solid Films, 1986, 139, 89-94.	0.8	10
93	2-MHz clocked LCD drivers on glass. IEEE Journal of Solid-State Circuits, 1990, 25, 531-538.	3.5	10
94	Cell gap optimization and alignment effects in reflective PDLC microdisplays. Liquid Crystals, 2001, 28, 1245-1252.	0.9	10
95	Shape-memory anchoring system for bladder sensors. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 96B, 369-375.	1.6	10
96	Feasibility Study and Performance Analysis of a Gyroless Orientation Tracker. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 2274-2282.	2.4	10
97	An array waveguide sensor for artificial optical skins. Proceedings of SPIE, 2009, , .	0.8	9
98	Improved Stretchable Electronics Technology for Large Area Applications. Materials Research Society Symposia Proceedings, 2010, 1271, 1.	0.1	9
99	PDMS Selective Bonding for the Fabrication of Biocompatible All Polymer NC Microvalves. Journal of Microelectromechanical Systems, 2013, 22, 1354-1360.	1.7	9
100	Fabrication and functionalization of PCB gold electrodes suitable for DNA-based electrochemical sensing. Bio-Medical Materials and Engineering, 2014, 24, 1705-1714.	0.4	9
101	Bone biosensors: knowing the present and predicting the future. Journal of Micromechanics and Microengineering, 2016, 26, 023002.	1.5	9
102	2.5/3D dynamically stretchable and permanently shaped electronic circuits. Microsystem Technologies, 2018, 24, 831-853.	1.2	9
103	A four-vacuum-cycle lift-off process for the polycrystalline CdSe thin-film transistor. IEEE Electron Device Letters, 1985, 6, 11-13.	2.2	8
104	Ultra Thin Optical Tactile Shear Sensor. Procedia Engineering, 2011, 25, 1393-1396.	1.2	8
105	Surface modification of an epoxy resin with polyamines and polydopamine: The effect on the initial electroless copper deposition. Applied Surface Science, 2014, 305, 321-329.	3.1	8
106	System-in-Foil Technology. , 2011, , 141-157.		8
107	Technological Challenges in the Development of Optogenetic Closed-Loop Therapy Approaches in Epilepsy and Related Network Disorders of the Brain. Micromachines, 2021, 12, 38.	1.4	8
108	A new technology for fast switching circuits on glass. IEEE Electron Device Letters, 1987, 8, 477-479.	2.2	7

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109	A lensless contact-type image sensor based on a CdSe photoconductive array. <i>Sensors and Actuators A: Physical</i> , 1993, 37-38, 546-551.	2.0	7
110	New model for the characterization and simulation of TFTs in all operating regions. <i>Journal of the Society for Information Display</i> , 1995, 3, 119.	0.8	7
111	Low temperature flip-chip process using ICA and NCA (isotropically and non-conductive adhesive) for flexible displays application. , 0, ,		7
112	Assembly of ultra-thin chip packages (UTCPs) for enhanced flexibility of flexible displays. , 2008, ,		7
113	Design and performance of metal conductors for stretchable electronic circuits. , 2008, ,		7
114	Ultra-flexible and ultra-thin embedded medical devices on large area panels. , 2010, ,		7
115	Design and analysis of a novel fine pitch and highly stretchable interconnect. <i>Microelectronics International</i> , 2010, 27, 33-38.	0.4	7
116	3-D Stacking of Ultrathin Chip Packages: An Innovative Packaging and Interconnection Technology. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2013, 3, 1114-1122.	1.4	7
117	Stretchabilityâ€”The Metric for Stretchable Electrical Interconnects. <i>Micromachines</i> , 2018, 9, 382.	1.4	7
118	Fully Integrated Flexible Dielectric Monitoring Sensor System for Real-Time <i>In Situ</i> Prediction of the Degree of Cure and Glass Transition Temperature of an Epoxy Resin. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-9.	2.4	7
119	One-time deformable thermoplastic devices based on flexible circuit board technology. , 2016, ,		6
120	49-2:<i>Invited Paper</i>: Stretchable Passive Matrix LED Display with Thin-Film Based Interconnects. <i>Digest of Technical Papers SID International Symposium</i> , 2016, 47, 664-667.	0.1	6
121	A highly sensitive electrochemical biosensor based on AuNP-modified gold electrodes for selective determination of serum levels of crosslaps. <i>3 Biotech</i> , 2017, 7, 312.	1.1	6
122	Effect of overmolding process on the integrity of electronic circuits. , 2019, ,		6
123	2.5D Smart Objects Using Thermoplastic Stretchable Interconnects. <i>International Symposium on Microelectronics</i> , 2015, 2015, 000868-000873.	0.3	6
124	Technological development for the reduction of out-of-plane deformation of metallic meander structures in thermoformed electronics. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 119, 6649-6663.	1.5	6
125	Analysis of transient photoconductivity in CdSe: Cu: Cl thin films. <i>Physica Status Solidi A</i> , 1994, 142, 127-140.	1.7	5
126	Optical connections on flexible substrates. , 2006, 6185, 60.		5

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127	Embedding of Optical Interconnections in Flexible Electronics. , 2007, , .		5
128	Flexible-substrate low-cost construction of a coplanar-waveguide aperture-coupled microstrip patch antenna. Microwave and Optical Technology Letters, 2007, 49, 1071-1074.	0.9	5
129	Multiple chip integration for flat flexible electronics. , 2008, , .		5
130	Stretchable biocompatible electronics by embedding electrical circuitry in biocompatible elastomers. , 2012, 2012, 6007-10.		5
131	Conformable, Low Level Light Therapy platform. Proceedings of SPIE, 2014, , .	0.8	5
132	Coupled Half-Mode Cavity-Backed Slot Antenna for IR-UWB in Air-Filled SIW Technology. , 2018, , .		5
133	From Fibrils to Toughness: Multi-Scale Mechanics of Fibrillating Interfaces in Stretchable Electronics. Materials, 2018, 11, 231.	1.3	5
134	Over-molding of flexible polyimide-based electronic circuits. Flexible and Printed Electronics, 2021, 6, 025007.	1.5	5
135	Flexible Microsystems Using Over-molding Technology. Procedia Manufacturing, 2020, 52, 26-31.	1.9	5
136	Laser via generation into flexible substrates. , 0, , .		4
137	Interconnecting drivers to flexible displays. Journal of the Society for Information Display, 2008, 16, 765.	0.8	4
138	Active optical links embedded in flexible substrates. , 2008, , .		4
139	Fabrication of an implantable stretchable electro-osmosis pump. Proceedings of SPIE, 2011, , .	0.8	4
140	An approach to produce a stack of photo definable polyimide based flat UTCs. , 2012, , .		4
141	Free-form 2.5D thermoplastic circuits using one-time stretchable interconnections. Materials Research Society Symposia Proceedings, 2015, 1798, 1.	0.1	4
142	Poly(polyol sebacate) Elastomers as Coatings for Metallic Coronary Stents. Macromolecular Bioscience, 2016, 16, 1678-1692.	2.1	4
143	Autonomous wearable RFID-based sensing platform for the Internet-of-Things. , 2017, , .		4
144	Development and Washing Reliability Testing of a Stretchable Circuit on Knit Fabric. Applied Sciences (Switzerland), 2020, 10, 9057.	1.3	4

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145	Ex Vivo Generation and Characterization of Human Hyaline and Elastic Cartilaginous Microtissues for Tissue Engineering Applications. <i>Biomedicines</i> , 2021, 9, 292.	1.4	4
146	Solar cells integration in over-molded printed electronics. , 2020, , .		4
147	Electrically-driven handling of gametes and embryos: taking a step towards the future of ARTs. <i>Lab on A Chip</i> , 2022, 22, 1852-1875.	3.1	4
148	The realisation and evaluation of poly-CdSe TFT driving circuits. , 0, , .		3
149	The electrical performance of a complementary CdSe:In/Ge:Cu thin film transistor technology for flat panel displays. <i>Solid-State Electronics</i> , 1991, 34, 143-147.	0.8	3
150	Design and Integration Technology for Miniature Medical Microsystems. , 2008, , .		3
151	16.4: Ultra-Thin Chip Packaging (UTCP): A Promising Technology for Future Flexible Display Interconnection. <i>Digest of Technical Papers SID International Symposium</i> , 2009, 40, 202-205.	0.1	3
152	High density optical pressure sensor foil based on arrays of crossing flexible waveguides. <i>Proceedings of SPIE</i> , 2010, , .	0.8	3
153	Thermo-mechanical analysis of flexible and stretchable systems. , 2010, , .		3
154	Embedding thinned chips in flexible PCBs. , 2012, , .		3
155	Modeling of Printed Circuit Board Inspired Stretchable Electronic Systems. , 2012, , 141-159.		3
156	Testing for Wearability and Reliability of TPU Lamination Method in E-Textiles. <i>Sensors</i> , 2022, 22, 156.	2.1	3
157	The integration of electronic circuits in plastics using injection technologies: a literature review. <i>Flexible and Printed Electronics</i> , 2022, 7, 023001.	1.5	3
158	Active matrix with integrated drivers on soda-lime glass using poly-CdSe and poly-Ge. <i>Journal of the Society for Information Display</i> , 1993, 1, 423.	0.8	2
159	Reduced temperature flip-chip technologies on flexible display substrates using adhesives. , 0, , .		2
160	Stretchable engineering technologies for the development of advanced stretchable polymeric systems. , 2008, , .		2
161	In vitro cytotoxicity testing and the application of elastic interconnection technology for short-term implantable electronics. , 2009, 2009, 4880-3.		2
162	A Novel Interconnect Design with High Stretchability and Fine Pitch Capability for Applications in Stretchable Electronics. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1192, 27.	0.1	2

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163	Improved passive-matrix multiplexability with a modular display and UTCP technology. Displays, 2009, 30, 71-76.	2.0	2
164	3D Integrated, Ultra-Thin Functional Microcontroller Device for Wireless, Flexible ECG Systems. ECS Transactions, 2009, 18, 707-712.	0.3	2
165	Performance of a new type of module based on back-contact solar cells. Proceedings of SPIE, 2010, , .	0.8	2
166	Development of a thin-film stretchable electrical interconnection technology for biocompatible applications. , 2010, , .		2
167	Embedded high resolution sensor based on optical feedback in a vertical cavity surface emitting laser. , 2010, , .		2
168	Module miniaturization by ultra thin package stacking. , 2010, , .		2
169	Influence of barrier absorption properties on laser patterning thin organic films. , 2012, , .		2
170	Thinned dies in a stretchable package. , 2012, , .		2
171	Plastic electronics based conformable electronic circuits. , 2012, , .		2
172	Self-aligned flat ultra-thin chip package for flexible circuits. Circuit World, 2013, 39, 174-180.	0.7	2
173	Capacitive sensor network for composites production monitoring. , 2016, , .		2
174	Key generation based on fast reciprocal channel estimation for body-worn sensor nodes. , 2017, , .		2
175	Stretchable Mold Interconnect Optimization: Peeling Automation and Carrierless Techniques. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 955-962.	1.4	2
176	Geometric design of lensless photoconductive contact-type image sensors. Journal of the Society for Information Display, 1993, 1, 233.	0.8	1
177	Low Cost, Biocompatible Elastic and Conformable Electronic Technologies using Mid in Stretchable Polymer. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6593-6.	0.5	1
178	Flexible embedded active optical link. Proceedings of SPIE, 2008, , .	0.8	1
179	A novel approach to embed off-chip RF passives in PCB based on thin film technology. , 2010, , .		1
180	Foil-based optical technology platform for optochemical sensors. Proceedings of SPIE, 2012, , .	0.8	1

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181	Short, Stretchable Molded Interconnect reliability under 10% cyclic elongation. , 2012, , .		1
182	Synchronizing Music and Movement with BeatLED: an Interactive Musical Social Game. Journal of New Music Research, 2012, 41, 351-363.	0.6	1
183	Applying QMSIW technique in textile for compact wearable design and high body-antenna isolation. , 2015, , .		1
184	Numerical simulation of a multi-inlet microfluidic device for biosensing purposes in osteoporosis management. Journal of Diabetes and Metabolic Disorders, 2019, 18, 341-348.	0.8	1
185	Over-molding of two-dimensional curved shape using polyimide copper cladding foil. , 2021, , .		1
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