

## **■** Special Issue on

## Flexible and Wearable Electronics: from Materials to Applications

	Preface
	Guozhen Shen, Yongfeng Mei, Chuan Wang, and Taeyoon Lee
011001 [14 pages]	Engineering in-plane silicon nanowire springs for highly stretchable electronics Zhaoguo Xue, Taige Dong, Zhimin Zhu, Yaolong Zhao, Ying Sun, and Linwei Yu
011002	Printable inorganic nanomaterials for flexible transparent electrodes: from synthesis to application
[22 pages]	Dingrun Wang, Yongfeng Mei, and Gaoshan Huang
011003 [10 pages]	Materials and applications of bioresorbable electronics Xian Huang
011004 [9 pages]	The applications of carbon nanomaterials in fiber-shaped energy storage devices Jingxia Wu, Yang Hong, and Bingjie Wang
011005 [16 pages]	Oxide-based thin film transistors for flexible electronics Yongli He, Xiangyu Wang, Ya Gao, Yahui Hou, and Qing Wan
011006 [13 pages]	Flexible magnetic thin films and devices Ping Sheng, Baomin Wang, and Runwei Li
011007 [19 pages]	Graphene-based flexible and wearable electronics Tanmoy Das, Bhupendra K. Sharma, Ajit K. Katiyar, and Jong-Hyun Ahn
011008	Review of recent progresses on flexible oxide semiconductor thin film transistors based on atomic layer deposition processes
[12 pages]	Jiazhen Sheng, Ki-Lim Han, TaeHyun Hong, Wan-Ho Choi, and Jin-Seong Park
011009 [18 pages]	Hybrid functional microfibers for textile electronics and biosensors Bichitra Nanda Sahoo, Byungwoo Choi, Jungmok Seo, and Taeyoon Lee
011010 [18 pages]	Flexible devices: from materials, architectures to applications Mingzhi Zou, Yue Ma, Xin Yuan, Yi Hu, Jie Liu, and Zhong Jin
011011 [22 pages]	Recent advances in flexible and wearable organic optoelectronic devices Hong Zhu, Yang Shen, Yanqing Li, and Jianxin Tang
011012 [21 pages]	Recent process of flexible and wearable sensors for human-motion monitoring Gang Ge, Wei Huang, Jinjun Shao, and Xiaochen Dong

[6 pages]



013001 [6 pages]	Silver nanowire/polymer composite soft conductive film fabricated by large-area compatible coating for flexible pressure sensor array Sujie Chen, Siying Li, Sai Peng, Yukun Huang, Jiaqing Zhao, Wei Tang, and Xiaojun Guo
013002	Ultrathin free-standing graphene oxide film based flexible touchless sensor
[6 pages]	Lin Liu, Yingyi Wang, Guanghui Li, Sujie Qin, and Ting Zhang
014001	Stretchable human-machine interface based on skin-conformal sEMG electrodes with self-similar geometry
[7 pages]	Wentao Dong, Chen Zhu, Wei Hu, Lin Xiao, and Yong'an Huang
014002	Interfacial engineering of printable bottom back metal electrodes for full-solution processed flexible organic solar cells
[9 pages]	Hongyu Zhen, Kan Li, Yaokang Zhang, Lina Chen, Liyong Niu, Xiaoling Wei, Xu Fang, Peng You, Zhike Liu, Dongrui Wang, Feng Yan, and Zijian Zheng
015001 [8 pages]	Inkjet printed large-area flexible circuits: a simple methodology for optimizing the printing quality  Tao Cheng, Youwei Wu, Xiaoqin Shen, Wenyong Lai, and Wei Huang
015002	Printed stretchable circuit on soft elastic substrate for wearable application

Wei Yuan, Xinzhou Wu, Weibing Gu, Jian Lin, and Zheng Cui