Jiho Shin

List of Publications by Year
in descending order

17 papers	3,691 citations	687363 13 h-index	1058476 14 g-index
17 all docs	17 docs citations	17 times ranked	5829 citing authors

#	Article	IF	Citations
1	Multifunctional wearable devices for diagnosis and therapy of movement disorders. Nature Nanotechnology, 2014, 9, 397-404.	31.5	1,246
2	Bioresorbable silicon electronic sensors for the brain. Nature, 2016, 530, 71-76.	27.8	778
3	Wireless bioresorbable electronic system enables sustained nonpharmacological neuroregenerative therapy. Nature Medicine, 2018, 24, 1830-1836.	30.7	331
4	Biodegradable Elastomers and Silicon Nanomembranes/Nanoribbons for Stretchable, Transient Electronics, and Biosensors. Nano Letters, 2015, 15, 2801-2808.	9.1	281
5	Bioresorbable pressure sensors protected with thermally grown silicon dioxide for the monitoring of chronic diseases and healing processes. Nature Biomedical Engineering, 2019, 3, 37-46.	22.5	185
6	Thermally Triggered Degradation of Transient Electronic Devices. Advanced Materials, 2015, 27, 3783-3788.	21.0	153
7	Dissolution Chemistry and Biocompatibility of Silicon- and Germanium-Based Semiconductors for Transient Electronics. ACS Applied Materials & Interfaces, 2015, 7, 9297-9305.	8.0	147
8	Bioresorbable optical sensor systems for monitoring of intracranial pressure and temperature. Science Advances, 2019, 5, eaaw1899.	10.3	146
9	Biodegradable Thin Metal Foils and Spinâ€On Glass Materials for Transient Electronics. Advanced Functional Materials, 2015, 25, 1789-1797.	14.9	135
10	Bioresorbable photonic devices for the spectroscopic characterization of physiological status and neural activity. Nature Biomedical Engineering, 2019, 3, 644-654.	22.5	98
11	Long-term reliable physical health monitoring by sweat poreâ€“inspired perforated electronic skins. Science Advances, 2021, 7, .	10.3	89
12	Flexible Transient Optical Waveguides and Surfaceâ€Wave Biosensors Constructed from Monocrystalline Silicon. Advanced Materials, 2018, 30, e1801584.	21.0	55
13	Transient Lightâ€Emitting Diodes Constructed from Semiconductors and Transparent Conductors that Biodegrade Under Physiological Conditions. Advanced Materials, 2019, 31, e1902739.	21.0	43
14	Integrated Bioresorbable Optical Sensor Systems for Biomedical Pressure and Temperature Monitoring. , 2019, , .		3
15	Optical Waveguides: Flexible Transient Optical Waveguides and Surface-Wave Biosensors Constructed from Monocrystalline Silicon (Adv. Mater. 32/2018). Advanced Materials, 2018, 30, 1870239.	21.0	1
16	Transient Electronics: Thermally Triggered Degradation of Transient Electronic Devices (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	21.0	0
17	Transient Eletronics: Biodegradable Thin Metal Foils and Spin-On Glass Materials for Transient Electronics (Adv. Funct. Mater. 12/2015). Advanced Functional Materials, 2015, 25, 1904-1904.	14.9	0