Daniel J Joe

List of Publications by Year
in descending order

34 papers	2,097 citations	394421 19 h-index	454955 30 g-index
36 all docs	36 docs citations	36 times ranked	3235 citing authors

#	Article	IF	Citations
1	Siloxane Hybrid Material-Encapsulated Highly Robust Flexible Î¼LEDs for Biocompatible Lighting Applications. ACS Applied Materials & Interfaces, 2022, 14, 28258-28269.	8.0	9
2	Autonomous Microcapillary Drug Delivery System Selfâ€Powered by a Flexible Energy Harvester. Advanced Materials Technologies, 2021, 6, 2100526.	5.8	7
3	Performance improvement of flexible piezoelectric energy harvester for irregular human motion with energy extraction enhancement circuit. Nano Energy, 2019, 58, 211-219.	16.0	88
4	Flashâ€Induced Stretchable Cu Conductor via Multiscaleâ€Interfacial Couplings. Advanced Science, 2018, 5, 1801146.	11.2	36
5	Machine learning-based self-powered acoustic sensor for speaker recognition. Nano Energy, 2018, 53, 658-665.	16.0	121
6	Monolithic Flexible Vertical GaN Lightâ€Emitting Diodes for a Transparent Wireless Brain Optical Stimulator. Advanced Materials, 2018, 30, e1800649.	21.0	88
7	Light-Emitting Diodes: Monolithic Flexible Vertical GaN Light-Emitting Diodes for a Transparent Wireless Brain Optical Stimulator (Adv. Mater. 28/2018). Advanced Materials, 2018, 30, 1870208.	21.0	2
8	Intestinal crypts recover rapidly from focal damage with coordinated motion of stem cells that is impaired by aging. Scientific Reports, 2018, 8, 10989.	3.3	24
9	Basilar membrane-inspired self-powered acoustic sensor enabled by highly sensitive multi tunable frequency band. Nano Energy, 2018, 53, 198-205.	16.0	85
10	Flexible wireless powered drug delivery system for targeted administration on cerebral cortex. Nano Energy, 2018, 51, 102-112.	16.0	37
11	Performance-enhanced triboelectric nanogenerator enabled by wafer-scale nanograte of multistep pattern downscaling. Nano Energy, 2017, 35, 415-423.	16.0	120
12	Xenon Flash Lampâ€Induced Ultrafast Multilayer Graphene Growth. Particle and Particle Systems Characterization, 2017, 34, 1600429.	2.3	26
13	In Vivo Selfâ€Powered Wireless Transmission Using Biocompatible Flexible Energy Harvesters. Advanced Functional Materials, 2017, 27, 1700341.	14.9	160
14	Plasmonicâ€Tuned Flash Cu Nanowelding with Ultrafast Photochemicalâ€Reducing and Interlocking on Flexible Plastics. Advanced Functional Materials, 2017, 27, 1701138.	14.9	98
15	Laserâ€“Material Interactions for Flexible Applications. Advanced Materials, 2017, 29, 1606586.	21.0	132
16	Piezoelectric Sensors: Selfâ€Powered Realâ€Time Arterial Pulse Monitoring Using Ultrathin Epidermal Piezoelectric Sensors (Adv. Mater. 37/2017). Advanced Materials, 2017, 29, .	21.0	4
17	Selfâ€Powered Realâ€Time Arterial Pulse Monitoring Using Ultrathin Epidermal Piezoelectric Sensors. Advanced Materials, 2017, 29, 1702308.	21.0	495
18	Selfâ€Powered Wireless Sensor Node Enabled by an Aerosolâ€Deposited PZT Flexible Energy Harvester. Advanced Energy Materials, 2016, 6, 1600237.	19.5	179

#	Article	IF	Citations
19	Transparent Displays: Skin-Like Oxide Thin-Film Transistors for Transparent Displays (Adv. Funct.) Tj ETQq1 1 0.784314 rgBT /Overlock 1	14.9	3
20	Reliable Memristive Switching Memory Devices Enabled by Densely Packed Silver Nanocone Arrays as Electric-Field Concentrators. ACS Nano, 2016, 10, 9478-9488.	14.6	90
21	Skinâ€Like Oxide Thinâ€Film Transistors for Transparent Displays. Advanced Functional Materials, 2016, 26, 6170-6178.	14.9	118
22	Selfâ€Powered Devices: Selfâ€Powered Wireless Sensor Node Enabled by an Aerosolâ€Deposited PZT Flexible Energy Harvester (Adv. Energy Mater. 13/2016). Advanced Energy Materials, 2016, 6, .	19.5	4
23	Simultaneous Roll Transfer and Interconnection of Flexible Silicon NAND Flash Memory. Advanced Materials, 2016, 28, 8371-8378.	21.0	53
24	Surface Functionalized Graphene Biosensor on Sapphire for Cancer Cell Detection. Journal of Nanoscience and Nanotechnology, 2016, 16, 144-151.	0.9	12
25	ACF-packaged ultrathin Si-based flexible NAND flash memory. , 2015, , .		6
26	Comprehensive models of human primary and metastatic colorectal tumors in immunodeficient and immunocompetent mice by chemokine targeting. Nature Biotechnology, 2015, 33, 656-660.	17.5	30
27	Abstract 2891: Chemokine-targeted models of human orthotopic colorectal cancer in immunocompetant mice. , 2015, , .		0
28	A bio-inspired spatial patterning circuit. , 2014, 2014, 86-9.		0
29	Synchronous imaging for rapid visualization of complex vibration profiles in electromechanical microresonators. Journal of Applied Physics, 2012, 111, 023507.	2.5	1
30	Stress-based resonant volatile gas microsensor operated near the critically buckled state. Journal of Applied Physics, 2012, 111, .	2.5	27
31	Rapid Prototyping of Nanofluidic Systems Using Sizeâ€Reduced Electrospun Nanofibers for Biomolecular Analysis. Small, 2010, 6, 2420-2426.	10.0	14
32	Real-time synchronous imaging of electromechanical resonator mode and equilibrium profiles. Optics Letters, 2010, 35, 2654.	3.3	10
33	Surface energy approach and AFM verification of the (CF)ntreated surface effect and its correlation with adhesion reduction in microvalves. Journal of Micromechanics and Microengineering, 2009, 19, 085017.	2.6	17
34	AFM Verification of CFn Surface Treatment Effect and Its Correlation to Stiction Reduction in Microvalves. , 2008, , .		0