

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24 papers	3,266 citations	20 h-index	26 g-index
26 ext. papers	3,823 ext. citations	13.6 avg, IF	4.43 L-index

#	Paper	IF	Citations
24	Injectable, cellular-scale optoelectronics with applications for wireless optogenetics. <i>Science</i> , 2013 , 340, 211-6	33.3	832
23	Soft, stretchable, fully implantable miniaturized optoelectronic systems for wireless optogenetics. <i>Nature Biotechnology</i> , 2015 , 33, 1280-1286	44.5	510
22	Wireless Optofluidic Systems for Programmable In Vivo Pharmacology and Optogenetics. <i>Cell</i> , 2015 , 162, 662-74	56.2	326
21	Flexible Near-Field Wireless Optoelectronics as Subdermal Implants for Broad Applications in Optogenetics. <i>Neuron</i> , 2017 , 93, 509-521.e3	13.9	225
20	Distinct Subpopulations of Nucleus Accumbens Dynorphin Neurons Drive Aversion and Reward. <i>Neuron</i> , 2015 , 87, 1063-77	13.9	197
19	Soft materials in neuroengineering for hard problems in neuroscience. <i>Neuron</i> , 2015 , 86, 175-86	13.9	195
18	Curvilinear electronics formed using silicon membrane circuits and elastomeric transfer elements. <i>Small</i> , 2009 , 5, 2703-9	11	186
17	Fabrication and application of flexible, multimodal light-emitting devices for wireless optogenetics. <i>Nature Protocols</i> , 2013 , 8, 2413-2428	18.8	142
16	Micromechanics and advanced designs for curved photodetector arrays in hemispherical electronic-eye cameras. <i>Small</i> , 2010 , 6, 851-6	11	84
15	Stretchable multichannel antennas in soft wireless optoelectronic implants for optogenetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E8169-E8177	11.5	84
14	Fully implantable, battery-free wireless optoelectronic devices for spinal optogenetics. <i>Pain</i> , 2017 , 158, 2108-2116	8	76
13	Optodynamic simulation of Adrenergic receptor signalling. <i>Nature Communications</i> , 2015 , 6, 8480	17.4	66
12	Stretchable field-effect-transistor array of suspended SnO ₂ nanowires. <i>Small</i> , 2011 , 7, 1181-5	11	64
11	Ultraminiaturized photovoltaic and radio frequency powered optoelectronic systems for wireless optogenetics. <i>Journal of Neural Engineering</i> , 2015 , 12, 056002-56002	5	47
10	Paraboloid electronic eye cameras using deformable arrays of photodetectors in hexagonal mesh layouts. <i>Applied Physics Letters</i> , 2010 , 96, 021110	3.4	47
9	Preparation and implementation of optofluidic neural probes for in vivo wireless pharmacology and optogenetics. <i>Nature Protocols</i> , 2017 , 12, 219-237	18.8	44
8	White-Light Emitting Diode Array of p ⁺ -Si/Aligned n-SnO ₂ Nanowires Heterojunctions. <i>Advanced Functional Materials</i> , 2011 , 21, 119-124	15.6	37

7	Ultrathin Injectable Sensors of Temperature, Thermal Conductivity, and Heat Capacity for Cardiac Ablation Monitoring. <i>Advanced Healthcare Materials</i> , 2016 , 5, 373-81	10.1	36
6	Temperature- and size-dependent characteristics in ultrathin inorganic light-emitting diodes assembled by transfer printing. <i>Applied Physics Letters</i> , 2014 , 104, 051901	3.4	30
5	SnO ₂ nanowire logic devices on deformable nonplanar substrates. <i>ACS Nano</i> , 2011 , 5, 10009-16	16.7	28
4	Soft, Wirelessly Powered Humidity Sensor Based on SnO Nanowires for Wireless/Wearable Sensor Application. <i>Materials</i> , 2020 , 13,	3.5	4
3	Studies of Parylene/Silicone-Coated Soft Bio-Implantable Optoelectronic Device. <i>Coatings</i> , 2020 , 10, 404	2.9	3
2	Biodegradable Optical Fiber in a Soft Optoelectronic Device for Wireless Optogenetic Applications. <i>Coatings</i> , 2020 , 10, 1153	2.9	3
1	Ultrathin Injectable Sensors: Ultrathin Injectable Sensors of Temperature, Thermal Conductivity, and Heat Capacity for Cardiac Ablation Monitoring (Adv. Healthcare Mater. 3/2016). <i>Advanced Healthcare Materials</i> , 2016 , 5, 394-394	10.1	