Nicole M Iverson

List of Publications by Year
in descending order

26 papers	2,270 citations	430442 18 h-index	525886 27 g-index
27 all docs	27 docs citations	27 times ranked	2956 citing authors

#	Article	IF	Citations
1	Detection of single walled carbon nanotube based sensors in a large mammal. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 40, 102489.	1.7	12
2	Single-Walled Carbon Nanotube Sensor Platform for the Study of Extracellular Analytes. ACS Applied Nano Materials, 2021, 4, 33-42.	2.4	7
3	Novel methods to extract and quantify sensors based on single wall carbon nanotube fluorescence from animal tissue and hydrogel-based platforms. Methods and Applications in Fluorescence, 2021, 9, 025005.	1.1	5
4	Oxidative stress and postmortem meat quality in crossbred lambs. Journal of Animal Science, 2021, 99, .	0.2	2
5	Quantification of Nitric Oxide Concentration Using Single-Walled Carbon Nanotube Sensors. Nanomaterials, 2021, 11, 243.	1.9	19
6	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. Nature Nanotechnology, 2020, 15, 164-166.	15.6	69
7	Reviewâ€"Single Walled Carbon Nanotubes as Optical Sensors for Biological Applications. Journal of the Electrochemical Society, 2020, 167, 037530.	1.3	30
8	Implantable Nanotube Sensor Platform for Rapid Analyte Detection. Macromolecular Bioscience, 2019, 19, e1800469.	2.1	8
9	Hydrogen Peroxide Sensors for Biomedical Applications. Chemosensors, 2019, 7, 64.	1.8	62
10	Insulin Detection Using a Corona Phase Molecular Recognition Site on Single-Walled Carbon Nanotubes. ACS Sensors, 2018, 3, 367-377.	4.0	78
11	Nitric Oxide Sensors for Biological Applications. Chemosensors, 2018, 6, 8.	1.8	31
12	Microfluidic Fabrication of Colloidal Nanomaterials-Encapsulated Microcapsules for Biomolecular Sensing. Nano Letters, 2017, 17, 2015-2020.	4.5	78
13	Quantitative Tissue Spectroscopy of Near Infrared Fluorescent Nanosensor Implants. Journal of Biomedical Nanotechnology, 2016, 12, 1035-1047.	0.5	46
14	Protein-targeted corona phase molecular recognition. Nature Communications, 2016, 7, 10241.	5.8	193
15	A Ratiometric Sensor Using Single Chirality Nearâ€Infrared Fluorescent Carbon Nanotubes: Application to In Vivo Monitoring. Small, 2015, 11, 3973-3984.	5.2	135
16	In Vivo Delivery of Nitric Oxideâ€Sensing, Singleâ€Walled Carbon Nanotubes. Current Protocols in Chemical Biology, 2015, 7, 93-102.	1.7	8
17	A Pharmacokinetic Model of a Tissue Implantable Insulin Sensor. Advanced Healthcare Materials, 2015, 4, 87-97.	3.9	39
18	Experimental Tools to Study Molecular Recognition within the Nanoparticle Corona. Sensors, 2014, 14, 16196-16211.	2.1	49

#	Article	IF	Citations
19	Plant nanobionics approach to augment photosynthesis and biochemical sensing. Nature Materials, 2014, 13, 400-408.	13.3	841
20	Spatiotemporal Intracellular Nitric Oxide Signaling Captured Using Internalized, Near-Infrared Fluorescent Carbon Nanotube Nanosensors. Nano Letters, 2014, 14, 4887-4894.	4.5	91
21	In vivo biosensing via tissue-localizable near-infrared-fluorescent single-walled carbon nanotubes. Nature Nanotechnology, 2013, 8, 873-880.	15.6	320
22	Dual use of amphiphilic macromolecules as cholesterol efflux triggers and inhibitors of macrophage athero-inflammation. Biomaterials, 2011, 32, 8319-8327.	5.7	27
23	Controllable inhibition of cellular uptake of oxidized low-density lipoprotein: Structureâ€“function relationships for nanoscale amphiphilic polymers. Acta Biomaterialia, 2010, 6, 3081-3091.	4.1	32
24	Convergence of Nanotechnology and Cardiovascular Medicine. BioDrugs, 2008, 22, 1-10.	2.2	36
25	Nanoscale amphiphilic macromolecules as lipoprotein inhibitors: the role of charge and architecture. International Journal of Nanomedicine, 2007, 2, 697-705.	3.3	19
26	Nitric oxide regulation of myocardial O2consumption and HEP metabolism. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H310-H316.	1.5	18