Heather A Clark

List of Publications by Year
in descending order

41 papers	1,944 citations	331670 21 h-index	330143 37 g-index
42 all docs	42 docs citations	42 times ranked	2178 citing authors

#	Article	IF	Citations
1	From Sensing to Chemical Imaging. ACS Sensors, 2022, 7, 1-2.	7.8	2
2	Characterization of DNA nanostructure stability by size exclusion chromatography. Analytical Methods, 2022, 14, 1006-1014.	2.7	4
3	2021: A Year Starting Full of Hope. ACS Sensors, 2021, 6, 1-2.	7.8	0
4	A DNA-Based MRI Contrast Agent for Quantitative pH Measurement. ACS Sensors, 2021, 6, 727-732.	7.8	3
5	The Virtual Reality of Science Conferences. ACS Sensors, 2021, 6, 588-589.	7.8	0
6	Imaging in vivo acetylcholine release in the peripheral nervous system with a fluorescent nanosensor. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	9
7	Gadolinium-based MRI contrast agent for the detection of tyrosinase. Analyst, The, 2020, 145, 1169-1173.	3.5	8
8	Multi-arm Avidin nano-construct for intra-cartilage delivery of small molecule drugs. Journal of Controlled Release, 2020, 318, 109-123.	9.9	52
9	Happy 5th Anniversary for ACS Sensors. ACS Sensors, 2020, 5, 1-2.	7.8	0
10	Optical nanosensors forin vivophysiological chloride detection for monitoring cystic fibrosis treatment. Analytical Methods, 2020, 12, 1441-1448.	2.7	10
11	Has Sensing Become an Engineering Discipline?. ACS Sensors, 2020, 5, 292-293.	7.8	1
12	Real-time particle-by-particle detection of erythrocyte-camouflaged microsensor with extended circulation time in the bloodstream. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3509-3517.	7.1	21
13	Remembering NJ. ACS Sensors, 2020, 5, 887-888.	7.8	0
14	Recent Developments in Nanosensors for Imaging Applications in Biological Systems. Annual Review of Analytical Chemistry, 2019, 12, 109-128.	5.4	36
15	DNA-Based Photoacoustic Nanosensor for Interferon Gamma Detection. ACS Sensors, 2019, 4, 1313-1322.	7.8	21
16	Dynamic, Simultaneous Concentration Mapping of Multiple MRI Contrast Agents with Dual Contrast - Magnetic Resonance Fingerprinting. Scientific Reports, 2019, 9, 19888.	3.3	6
17	Optical Probes for Neurobiological Sensing and Imaging. Accounts of Chemical Research, 2018, 51, 1023-1032.	15.6	42
18	Imaging Sodium Flux during Action Potentials in Neurons with Fluorescent Nanosensors and Transparent Microelectrodes. ACS Sensors, 2018, 3, 2499-2505.	7.8	16

#	Article	IF	Citations
19	Nanosensors for the Chemical Imaging of Acetylcholine Using Magnetic Resonance Imaging. ACS Nano, 2018, 12, 5761-5773.	14.6	35
20	In Vivo Biosensing: Progress and Perspectives. ACS Sensors, 2017, 2, 327-338.	7.8	149
21	A method for estimating intracellular ion concentration using optical nanosensors and ratiometric imaging. Scientific Reports, 2017, 7, 10819.	3.3	28
22	Ion-Switchable Quantum Dot FÃ¶rster Resonance Energy Transfer Rates in Ratiometric Potassium Sensors. ACS Nano, 2016, 10, 4020-4030.	14.6	48
23	Enzyme-linked DNA dendrimer nanosensors for acetylcholine. Scientific Reports, 2015, 5, 14832.	3.3	28
24	Quadruplex Integrated DNA (QuID) Nanosensors for Monitoring Dopamine. Sensors, 2015, 15, 19912-19924.	3.8	8
25	Optical Drug Monitoring: Photoacoustic Imaging of Nanosensors to Monitor Therapeutic Lithium in Vivo. ACS Nano, 2015, 9, 1692-1698.	14.6	113
26	Development of an Optical Nanosensor Incorporating a pH-Sensitive Quencher Dye for Potassium Imaging. Analytical Chemistry, 2015, 87, 10684-10687.	6.5	25
27	Implantable Nanosensors: Toward Continuous Physiologic Monitoring. Analytical Chemistry, 2014, 86, 1314-1323.	6.5	55
28	Polymer-Free Optode Nanosensors for Dynamic, Reversible and Ratiometric Sodium Imaging in the Physiological Range. Scientific Reports, 2013, 3, 3366.	3.3	28
29	Gel Encapsulation of Glucose Nanosensors for Prolonged In Vivo Lifetime. Journal of Diabetes Science and Technology, 2013, 7, 53-61.	2.2	10
30	In Vivo Histamine Optical Nanosensors. Sensors, 2012, 12, 11922-11932.	3.8	22
31	Biodegradable Optode-Based Nanosensors for in Vivo Monitoring. Analytical Chemistry, 2012, 84, 5787-5793.	6.5	41
32	In vivosodium concentration continuously monitored with fluorescent sensors. Integrative Biology (United Kingdom), 2011, 3, 142-148.	1.3	40
33	The Design and Development of Fluorescent Nano-Optodes for in Vivo Glucose Monitoring. Journal of Diabetes Science and Technology, 2011, 5, 68-75.	2.2	25
34	Fluorescent Nanoparticles for the Measurement of Ion Concentration in Biological Systems. Journal of Visualized Experiments, 2011, , .	0.3	17
35	Ionâ€Selective Optodes Measure Extracellular Potassium Flux in Excitable Cells. Macromolecular Rapid Communications, 2010, 31, 217-221.	3.9	18
36	Fluorescent Nano-Optodes for Glucose Detection. Analytical Chemistry, 2010, 82, 3707-3713.	6.5	88

#	Article	IF	Citations
37	Visualizing sodium dynamics in isolated cardiomyocytes using fluorescent nanosensors. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16145-16150.	7.1	67
38	Ion-Selective Nano-optodes Incorporating Quantum Dots. Journal of the American Chemical Society, 2007, 129, 8418-8419.	13.7	86
39	Fluorescent Ion-Selective Nanosensors for Intracellular Analysis with Improved Lifetime and Size. Nano Letters, 2007, 7, 1827-1831.	9.1	98
40	Optical Nanosensors for Chemical Analysis inside Single Living Cells. 1. Fabrication, Characterization, and Methods for Intracellular Delivery of PEBBLE Sensors. Analytical Chemistry, 1999, 71, 4831-4836.	6.5	362
41	Optical Nanosensors for Chemical Analysis inside Single Living Cells. 2. Sensors for pH and Calcium and the Intracellular Application of PEBBLE Sensors. Analytical Chemistry, 1999, 71, 4837-4843.	6.5	322