Shawn P Mulvaney

List of Publications by Year
in descending order

23	1,342	933447 10	752698 20
papers	citations	h-index	g-index

23	23	23	2178
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	3D Conducting Polymeric Membrane and Scaffold Saccharomyces cerevisiae Biofilms to Enhance Energy Conversion in Microbial Fuel Cells. ACS Applied Materials & Interfaces, 2022, 14, 20393-20403.	8.0	1
2	Catalytic lateral flow immunoassays (cLFIAâ„¢): Amplified signal in a self-contained assay format. Sensing and Bio-Sensing Research, 2020, 30, 100390.	4.2	5
3	Enhanced protonic conductivity and IFET behavior in individual proton-doped electrospun chitosan fibers. Journal of Materials Chemistry C, 2019, 7, 10833-10840.	5.5	6
4	Chemistries for Making Additive Nanolithography in OrmoComp Permissive for Cell Adhesion and Growth. ACS Applied Materials & Interfaces, 2019, 11, 19793-19798.	8.0	6
5	Rapid design and fielding of four diagnostic technologies in Sierra Leone, Thailand, Peru, and Australia: Successes and challenges faced introducing these biosensors. Sensing and Bio-Sensing Research, 2018, 20, 22-33.	4.2	8
6	Dry graphene transfer print to polystyrene and ultra-high molecular weight polyethylene â^' Detailed chemical, structural, morphological and electrical characterization. Carbon, 2015, 86, 288-300.	10.3	7
7	Graphene veils: A versatile surface chemistry for sensors. BioTechniques, 2014, 57, 21-30.	1.8	10
8	Nature Inspires Sensors To Do More with Less. ACS Nano, 2014, 8, 9729-9732.	14.6	7
9	Fabrication, Optimization, and Use of Graphene Field Effect Sensors. Analytical Chemistry, 2013, 85, 509-521.	6.5	99
10	A New Methodology for Quantitative LSPR Biosensing and Imaging. Analytical Chemistry, 2012, 84, 1367-1373.	6.5	41
11	High-Quality Uniform Dry Transfer of Graphene to Polymers. Nano Letters, 2012, 12, 102-107.	9.1	128
12	Magnets tackle kinetic questions. Nature Nanotechnology, 2011, 6, 266-267.	31.5	8
13	Fluidic Force Discrimination Assays: A New Technology for Tetrodotoxin Detection. Marine Drugs, 2010, 8, 565-576.	4.6	13
14	Evolution of a magnetic-based biomolecular detection system. , 2009, 2009, 5425-7.		1
15	Detection of mitochondrial DNA with the compact bead array sensor system (cBASS). Proceedings of SPIE, 2009, , .	0.8	0
16	Reusable, compression-sealed fluid cells for surface mounting to planar substrates. Lab on A Chip, 2009, 9, 1468.	6.0	9
17	Formation of Primary Amines on Silicon Nitride Surfaces:Â a Direct, Plasma-Based Pathway to Functionalization. Langmuir, 2007, 23, 4400-4404.	3.5	40
18	Incorporating fluorescent dyes and quantum dots into magnetic microbeads for immunoassays. BioTechniques, 2004, 36, 602-609.	1.8	57

#	Article	IF	Citations
19	Three-layer substrates for surface-enhanced Raman scattering: preparation and preliminary evaluation. Journal of Raman Spectroscopy, 2003, 34, 163-171.	2.5	71
20	Glass-Coated, Analyte-Tagged Nanoparticles:Â A New Tagging System Based on Detection with Surface-Enhanced Raman Scattering. Langmuir, 2003, 19, 4784-4790.	3.5	439
21	Environmental Applications of Novel, Highly Enhancing Substrates for Surface Enhanced Raman Scattering. ACS Symposium Series, 2000, , 366-373.	0.5	0
22	Raman Spectroscopy. Analytical Chemistry, 2000, 72, 145-158.	6.5	166
23	Raman Spectroscopy. Analytical Chemistry, 1998, 70, 341-362.	6.5	220