

Shawn P Mulvaney

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,342
citations

933447

10
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

2178
citing authors

#	ARTICLE	IF	CITATIONS
1	Class-Coated, Analyte-Tagged Nanoparticles: A New Tagging System Based on Detection with Surface-Enhanced Raman Scattering. <i>Langmuir</i> , 2003, 19, 4784-4790.	3.5	439
2	Raman Spectroscopy. <i>Analytical Chemistry</i> , 1998, 70, 341-362.	6.5	220
3	Raman Spectroscopy. <i>Analytical Chemistry</i> , 2000, 72, 145-158.	6.5	166
4	High-Quality Uniform Dry Transfer of Graphene to Polymers. <i>Nano Letters</i> , 2012, 12, 102-107.	9.1	128
5	Fabrication, Optimization, and Use of Graphene Field Effect Sensors. <i>Analytical Chemistry</i> , 2013, 85, 509-521.	6.5	99
6	Three-layer substrates for surface-enhanced Raman scattering: preparation and preliminary evaluation. <i>Journal of Raman Spectroscopy</i> , 2003, 34, 163-171.	2.5	71
7	Incorporating fluorescent dyes and quantum dots into magnetic microbeads for immunoassays. <i>BioTechniques</i> , 2004, 36, 602-609.	1.8	57
8	A New Methodology for Quantitative LSPR Biosensing and Imaging. <i>Analytical Chemistry</i> , 2012, 84, 1367-1373.	6.5	41
9	Formation of Primary Amines on Silicon Nitride Surfaces: A Direct, Plasma-Based Pathway to Functionalization. <i>Langmuir</i> , 2007, 23, 4400-4404.	3.5	40
10	Fluidic Force Discrimination Assays: A New Technology for Tetrodotoxin Detection. <i>Marine Drugs</i> , 2010, 8, 565-576.	4.6	13
11	Graphene veils: A versatile surface chemistry for sensors. <i>BioTechniques</i> , 2014, 57, 21-30.	1.8	10
12	Reusable, compression-sealed fluid cells for surface mounting to planar substrates. <i>Lab on A Chip</i> , 2009, 9, 1468.	6.0	9
13	Magnets tackle kinetic questions. <i>Nature Nanotechnology</i> , 2011, 6, 266-267.	31.5	8
14	Rapid design and fielding of four diagnostic technologies in Sierra Leone, Thailand, Peru, and Australia: Successes and challenges faced introducing these biosensors. <i>Sensing and Bio-Sensing Research</i> , 2018, 20, 22-33.	4.2	8
15	Nature Inspires Sensors To Do More with Less. <i>ACS Nano</i> , 2014, 8, 9729-9732.	14.6	7
16	Dry graphene transfer print to polystyrene and ultra-high molecular weight polyethylene - Detailed chemical, structural, morphological and electrical characterization. <i>Carbon</i> , 2015, 86, 288-300.	10.3	7
17	Enhanced protonic conductivity and IFET behavior in individual proton-doped electrospun chitosan fibers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10833-10840.	5.5	6
18	Chemistries for Making Additive Nanolithography in OrmoComp Permissive for Cell Adhesion and Growth. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19793-19798.	8.0	6

#	ARTICLE	IF	CITATIONS
19	Catalytic lateral flow immunoassays (cLFIA): Amplified signal in a self-contained assay format. <i>Sensing and Bio-Sensing Research</i> , 2020, 30, 100390.	4.2	5
20	Evolution of a magnetic-based biomolecular detection system. , 2009, 2009, 5425-7.		1
21	3D Conducting Polymeric Membrane and Scaffold <i>Saccharomyces cerevisiae</i> Biofilms to Enhance Energy Conversion in Microbial Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20393-20403.	8.0	1
22	Environmental Applications of Novel, Highly Enhancing Substrates for Surface Enhanced Raman Scattering. <i>ACS Symposium Series</i> , 2000, , 366-373.	0.5	0
23	Detection of mitochondrial DNA with the compact bead array sensor system (cBASS). <i>Proceedings of SPIE</i> , 2009, , .	0.8	0