

Abid Ameen

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

2,068
citations

840776

11
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

3885
citing authors

#	ARTICLE	IF	CITATIONS
1	A Physically Transient Form of Silicon Electronics. <i>Science</i> , 2012, 337, 1640-1644.	12.6	1,085
2	3D multifunctional integumentary membranes for spatiotemporal cardiac measurements and stimulation across the entire epicardium. <i>Nature Communications</i> , 2014, 5, 3329.	12.8	485
3	Electronic sensor and actuator webs for large-area complex geometry cardiac mapping and therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19910-19915.	7.1	209
4	Piezoresistive Strain Sensors and Multiplexed Arrays Using Assemblies of Single-Crystalline Silicon Nanoribbons on Plastic Substrates. <i>IEEE Transactions on Electron Devices</i> , 2011, 58, 4074-4078.	3.0	68
5	Large-area, uniform and low-cost dual-mode plasmonic naked-eye colorimetry and SERS sensor with handheld Raman spectrometer. <i>Nanoscale</i> , 2016, 8, 6162-6172.	5.6	48
6	Thin Film Receiver Materials for Deterministic Assembly by Transfer Printing. <i>Chemistry of Materials</i> , 2014, 26, 3502-3507.	6.7	35
7	Spectrometer-Free Plasmonic Biosensing with Metal-Insulator-Metal Nanocup Arrays. <i>ACS Sensors</i> , 2018, 3, 290-298.	7.8	33
8	Plasmonic Sensing of Oncoproteins without Resonance Shift Using 3D Periodic Nanocavity in Nanocup Arrays. <i>Advanced Optical Materials</i> , 2017, 5, 1601051.	7.3	24
9	Ultra-Sensitive Colorimetric Plasmonic Sensing and Microfluidics for Biofluid Diagnostics Using Nanohole Array. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-21.	2.7	21
10	Multi-Functional Electronics: Multifunctional Epidermal Electronics Printed Directly Onto the Skin (<i>Adv. Mater.</i> 20/2013). <i>Advanced Materials</i> , 2013, 25, 2772-2772.	21.0	16
11	Plasmonic Metal-Insulator-Metal Capped Polymer Nanopillars for SERS Analysis of Protein-Protein Interactions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6255-6266.	3.1	15
12	Substrate binding to cytochrome P450-2J2 in Nanodiscs detected by nanoplasmonic Lycurgus cup arrays. <i>Biosensors and Bioelectronics</i> , 2016, 75, 337-346.	10.1	11
13	Large-area, lithography-free, low-cost SERS sensor with good flexibility and high performance. <i>Nanotechnology</i> , 2016, 27, 385205.	2.6	9
14	Colorimetric imaging of layer-by-layer molecular deposition on nanoplasmonic lycurgus cup array. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 827-833.	7.8	5
15	Colorimetric Effect of Gold Nanocup Arrays on Fluorescence Amplification. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18518-18526.	3.1	4
16	Optofluidically Tuned Fluorescence Enhancement by Plasmonic Nanocup Arrays. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1720, 1.	0.1	0
17	Biosensors: Plasmonic Sensing of Oncoproteins without Resonance Shift Using 3D Periodic Nanocavity in Nanocup Arrays (<i>Advanced Optical Materials</i> 11/2017). <i>Advanced Optical Materials</i> , 2017, 5, .	7.3	0