

Xiaoyu Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

4,133
citations

566801

15
h-index

887659

17
g-index

19
all docs

19
docs citations

19
times ranked

5143
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Detection of an Anthrax Biomarker by Surface-Enhanced Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2005, 127, 4484-4489.	6.6	652
2	Introductory Lecture : Surface enhanced Raman spectroscopy: new materials, concepts, characterization tools, and applications. <i>Faraday Discussions</i> , 2006, 132, 9-26.	1.6	554
3	Localized surface plasmon resonance biosensors. <i>Nanomedicine</i> , 2006, 1, 219-228.	1.7	437
4	Ultrastable Substrates for Surface-Enhanced Raman Spectroscopy: Al ₂ O ₃ Overlayers Fabricated by Atomic Layer Deposition Yield Improved Anthrax Biomarker Detection. <i>Journal of the American Chemical Society</i> , 2006, 128, 10304-10309.	6.6	395
5	A Glucose Biosensor Based on Surface-Enhanced Raman Scattering: Improved Partition Layer, Temporal Stability, Reversibility, and Resistance to Serum Protein Interference. <i>Analytical Chemistry</i> , 2004, 76, 78-85.	3.2	368
6	Towards advanced chemical and biological nanosensors—An overview. <i>Talanta</i> , 2005, 67, 438-448.	2.9	360
7	Surface-enhanced Raman sensors: early history and the development of sensors for quantitative biowarfare agent and glucose detection. <i>Journal of Raman Spectroscopy</i> , 2005, 36, 471-484.	1.2	348
8	Glucose Sensing Using Near-Infrared Surface-Enhanced Raman Spectroscopy: Gold Surfaces, 10-Day Stability, and Improved Accuracy. <i>Analytical Chemistry</i> , 2005, 77, 4013-4019.	3.2	189
9	Electrochemical Tuning of Silver Nanoparticles Fabricated by Nanosphere Lithography. <i>Nano Letters</i> , 2005, 5, 1503-1507.	4.5	174
10	Plasmonic Properties of Film over Nanowell Surfaces Fabricated by Nanosphere Lithography. <i>Journal of Physical Chemistry B</i> , 2005, 109, 22351-22358.	1.2	150
11	Resonance Surface Plasmon Spectroscopy: Low Molecular Weight Substrate Binding to Cytochrome P450. <i>Journal of the American Chemical Society</i> , 2006, 128, 11004-11005.	6.6	115
12	Nanosphere lithography fabricated plasmonic materials and their applications. <i>Journal of Materials Research</i> , 2006, 21, 1083-1092.	1.2	108
13	Sensitive and selective chem/bio sensing based on surface-enhanced Raman spectroscopy (SERS). <i>Vibrational Spectroscopy</i> , 2006, 42, 2-8.	1.2	99
14	Advances in Contemporary Nanosphere Lithographic Techniques. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1920-1934.	0.9	91
15	Wavelength-Scanned Surface-Enhanced Resonance Raman Excitation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19302-19310.	1.5	73
16	Optimized Silver Film over Nanosphere Surfaces for the Biowarfare Agent Detection Based on Surface-Enhanced Raman Spectroscopy. <i>Materials Research Society Symposia Proceedings</i> , 2005, 876, 1.	0.1	15
17	Alkanethiol Mediated Release of Surface Bound Nanoparticles Fabricated by Nanosphere Lithography. <i>Materials Research Society Symposia Proceedings</i> , 2005, 900, 1.	0.1	3
18	Nanoscale Localized Surface Plasmon Resonance Biosensors. , 0, , 159-173.		1