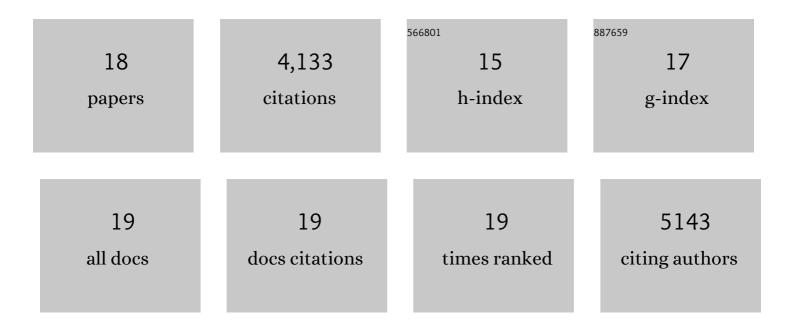
Xiaoyu Zhang

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Rapid Detection of an Anthrax Biomarker by Surface-Enhanced Raman Spectroscopy. Journal of the American Chemical Society, 2005, 127, 4484-4489. | 6.6 | 652 |
| 2 | Introductory Lecture : Surface enhanced Raman spectroscopy: new materials, concepts, characterization tools, and applications. Faraday Discussions, 2006, 132, 9-26. | 1.6 | 554 |
| 3 | Localized surface plasmon resonance biosensors. Nanomedicine, 2006, 1, 219-228. | 1.7 | 437 |
| 4 | Ultrastable Substrates for Surface-Enhanced Raman Spectroscopy:Â Al2O3Overlayers Fabricated by Atomic Layer Deposition Yield Improved Anthrax Biomarker Detection. Journal of the American Chemical Society, 2006, 128, 10304-10309. | 6.6 | 395 |
| 5 | A Glucose Biosensor Based on Surface-Enhanced Raman Scattering:Â Improved Partition Layer, Temporal Stability, Reversibility, and Resistance to Serum Protein Interference. Analytical Chemistry, 2004, 76, 78-85. | 3.2 | 368 |
| 6 | Towards advanced chemical and biological nanosensors—An overview. Talanta, 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. Journal of Raman Spectroscopy, 2005, 36, 471-484. | 1.2 | 348 |
| 8 | Glucose Sensing Using Near-Infrared Surface-Enhanced Raman Spectroscopy:Â Gold Surfaces, 10-Day Stability, and Improved Accuracy. Analytical Chemistry, 2005, 77, 4013-4019. | 3.2 | 189 |
| 9 | Electrochemical Tuning of Silver Nanoparticles Fabricated by Nanosphere Lithography. Nano Letters, 2005, 5, 1503-1507. | 4.5 | 174 |
| 10 | Plasmonic Properties of Film over Nanowell Surfaces Fabricated by Nanosphere Lithography. Journal of Physical Chemistry B, 2005, 109, 22351-22358. | 1.2 | 150 |
| 11 | Resonance Surface Plasmon Spectroscopy:Â Low Molecular Weight Substrate Binding to Cytochrome P450. Journal of the American Chemical Society, 2006, 128, 11004-11005. | 6.6 | 115 |
| 12 | Nanosphere lithography fabricated plasmonic materials and their applications. Journal of Materials Research, 2006, 21, 1083-1092. | 1.2 | 108 |
| 13 | Sensitive and selective chem/bio sensing based on surface-enhanced Raman spectroscopy (SERS). Vibrational Spectroscopy, 2006, 42, 2-8. | 1.2 | 99 |
| 14 | Advances in Contemporary Nanosphere Lithographic Techniques. Journal of Nanoscience and Nanotechnology, 2006, 6, 1920-1934. | 0.9 | 91 |
| 15 | Wavelength-Scanned Surface-Enhanced Resonance Raman Excitation Spectroscopy. Journal of Physical Chemistry C, 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. Materials Research Society Symposia Proceedings, 2005, 876, 1. | 0.1 | 15 |
| 17 | Alkanethiol Mediated Release of Surface Bound Nanoparticles Fabricated by Nanosphere Lithography. Materials Research Society Symposia Proceedings, 2005, 900, 1. | 0.1 | 3 |
| | | | |

18 Nanoscale Localized Surface Plasmon Resonance Biosensors. , 0, , 159-173.

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