

Xiaoyu Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

3,638
citations

15
h-index

19
g-index

19
ext. papers

3,912
ext. citations

7
avg. IF

4.76
L-index

#	Paper	IF	Citations
19	Rapid detection of an anthrax biomarker by surface-enhanced Raman spectroscopy. <i>Journal of the American Chemical Society</i> , 2005 , 127, 4484-9	16.4	562
18	Surface enhanced Raman spectroscopy: new materials, concepts, characterization tools, and applications. <i>Faraday Discussions</i> , 2006 , 132, 9-26	3.6	499
17	Localized surface plasmon resonance biosensors. <i>Nanomedicine</i> , 2006 , 1, 219-28	5.6	374
16	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, 10304-9	16.4	370
15	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	7.8	329
14	Towards advanced chemical and biological nanosensors-An overview. <i>Talanta</i> , 2005 , 67, 438-48	6.2	309
13	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	2.3	307
12	Glucose sensing using near-infrared surface-enhanced Raman spectroscopy: gold surfaces, 10-day stability, and improved accuracy. <i>Analytical Chemistry</i> , 2005 , 77, 4013-9	7.8	169
11	Electrochemical tuning of silver nanoparticles fabricated by nanosphere lithography. <i>Nano Letters</i> , 2005 , 5, 1503-7	11.5	142
10	Plasmonic properties of film over nanowell surfaces fabricated by nanosphere lithography. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 22351-8	3.4	134
9	Resonance surface plasmon spectroscopy: low molecular weight substrate binding to cytochrome p450. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11004-5	16.4	103
8	Nanosphere lithography fabricated plasmonic materials and their applications. <i>Journal of Materials Research</i> , 2006 , 21, 1083-1092	2.5	88
7	Sensitive and selective chem/bio sensing based on surface-enhanced Raman spectroscopy (SERS). <i>Vibrational Spectroscopy</i> , 2006 , 42, 2-8	2.1	87
6	Advances in contemporary nanosphere lithographic techniques. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 1920-34	1.3	80
5	Wavelength-Scanned Surface-Enhanced Resonance Raman Excitation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 19302-19310	3.8	69
4	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		11
3	Alkanethiol Mediated Release of Surface Bound Nanoparticles Fabricated by Nanosphere Lithography. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 900, 1		3

2	Surface-Enhanced Raman Sensors for Metabolic Analytes221-241	1
1	Nanoscale Localized Surface Plasmon Resonance Biosensors159-173	1