

Giancarlo Corti

List of Publications by Year in descending order

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1040056

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#	ARTICLE	IF	CITATIONS
1	Toward the nanospring-based artificial olfactory system for trace-detection of flammable and explosive vapors. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 138-148.	7.8	39
2	A novel enzymatic microreactor with <i>Aspergillus oryzae</i> α -galactosidase immobilized on silicon dioxide nanosprings. <i>Biotechnology Progress</i> , 2010, 26, 1597-1605.	2.6	36
3	Silica Nanosprings Coated with Noble Metal Nanoparticles: Highly Active SERS Substrates. <i>Journal of Physical Chemistry C</i> , 2011, 115, 453-459.	3.1	33
4	ZnO coated nanospring-based chemiresistors. <i>Journal of Applied Physics</i> , 2012, 111, 044311.	2.5	23
5	Thermal and Optical Activation Mechanisms of Nanospring-Based Chemiresistors. <i>Sensors</i> , 2012, 12, 5608-5622.	3.8	19
6	Self-Assembled Monolayers of Thiols Adsorbed on Au/ZnO-Functionalized Silica Nanosprings: Photoelectron Spectroscopy-Analysis and Detection of Vaporized Explosives. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13355-13366.	8.0	14
7	Nucleation, evolution, and growth dynamics of amorphous silica nanosprings. <i>Materials Research Express</i> , 2017, 4, 015004.	1.6	14
8	Alternating current impedance spectroscopic analysis of biofunctionalized vertically-aligned silica nanospring surface for biosensor applications. <i>Journal of Applied Physics</i> , 2011, 110, 014901.	2.5	10
9	Water Condensation and Droplet Shedding Behavior on Silica-Nanospring-Coated Tubes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17046-17054.	8.0	9
10	Characterization of Methyl-Functionalized Silica Nanosprings for Superhydrophobic and Defrosting Coatings. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4607-4615.	8.0	8
11	Characterization of a vertically aligned silica nanospring-based sensor by alternating current impedance spectroscopy. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 095005.	2.6	7
12	The effects of nanoscale geometry and spillover on room temperature storage of hydrogen on silica nanosprings. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 505307.	2.8	6
13	Threefold growth efficiency improvement of silica nanosprings by using silica nanosprings as a substrate. <i>Nanotechnology</i> , 2018, 29, 115604.	2.6	4
14	Low cycles pulsed chemical vapor deposition of polycrystalline anatase TiO_2 . <i>Nano Express</i> , 2020, 1, 020030.	2.4	3
15	Response prediction of switched inductor/piezoelectric vibration suppression. <i>Smart Materials and Structures</i> , 2007, 16, 135-139.	3.5	2
16	A Methodology for an FPGA Implementation of a Programmable Logic Controller to Control an Atomic Layer Deposition System. <i>International Journal of Reconfigurable Computing</i> , 2022, 2022, 1-10.	0.2	2