Vincenzina Strano

List of Publications by Year
in descending order

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25 papers	662 citations	687363 13 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	1044 citing authors

#	Article	IF	Citations
1	Localized Energy Band Bending in ZnO Nanorods Decorated with Au Nanoparticles. Nanomaterials, 2021, 11, 2718.	4.1	11
2	Free carrier enhanced depletion in ZnO nanorods decorated with bimetallic AuPt nanoclusters. Nanoscale, 2020, 12, 19213-19222.	5.6	15
3	Improved Synthesis of ZnO Nanowalls: Effects of Chemical Bath Deposition Time and Annealing Temperature. Chemosensors, 2019, 7, 18.	3.6	9
4	ZnO Microflowers Grown by Chemical Bath Deposition: A Low-Cost Approach for Massive Production of Functional Nanostructures. Chemosensors, 2019, 7, 62.	3.6	8
5	Low-cost synthesis of pure ZnO nanowalls showing three-fold symmetry. Nanotechnology, 2018, 29, 135707.	2.6	11
6	A novel gas-phase mono and bimetallic clusters decorated Zno nanorods electrochemical sensor for 4-aminophenol detection. Journal of Electroanalytical Chemistry, 2018, 811, 89-95.	3.8	24
7	Enhanced sensitivity in non-enzymatic glucose detection by improved growth kinetics of Ni-based nanostructures. Nanotechnology, 2018, 29, 165601.	2.6	13
8	Low-cost and facile synthesis of Ni(OH)₂/ZnO nanostructures for high-sensitivity glucose detection. Nanotechnology, 2018, 29, 015502.	2.6	7
9	A Miniaturized Electrochemical System Based on Nickel Oxide Species for Glucose Sensing Applications. BioNanoScience, 2017, 7, 58-63.	3.5	6
10	Role of Au_xPt_{1â€“x} Clusters in the Enhancement of the Electrochemical Activity of ZnO Nanorod Electrodes. Journal of Physical Chemistry C, 2017, 121, 15644-15652.	3.1	12
11	Performance of natural-dye-sensitized solar cells by ZnO nanorod and nanowall enhanced photoelectrodes. Beilstein Journal of Nanotechnology, 2017, 8, 287-295.	2.8	21
12	Comparison of the Sensing Properties of ZnO Nanowalls-Based Sensors toward Low Concentrations of CO and NO2. Chemosensors, 2017, 5, 20.	3.6	19
13	The role of Zn vacancies in UV sensing with ZnO nanorods. Applied Physics Letters, 2016, 109, .	3.3	14
14	Universal model for defect-related visible luminescence in ZnO nanorods. RSC Advances, 2016, 6, 73170-73175.	3.6	16
15	Hierarchical ZnO nanorods/Ni(OH)₂nanoflakes for room-temperature, cheap fabrication of non-enzymatic glucose sensors. RSC Advances, 2016, 6, 111374-111379.	3.6	10
16	Radiative mechanism and surface modification of four visible deep level defect states in ZnO nanorods. Nanoscale, 2016, 8, 995-1006.	5.6	52
17	Low-cost high-haze films based on ZnO nanorods for light scattering in thin c-Si solar cells. Applied Physics Letters, 2015, 106, .	3.3	21
18	Enhanced Quality, Growth Kinetics, and Photocatalysis of ZnO Nanowalls Prepared by Chemical Bath Deposition. Crystal Growth and Design, 2015, 15, 4206-4212.	3.0	30

#	ARTICLE	IF	CITATIONS
19	Photoluminescence transient study of surface defects in ZnO nanorods grown by chemical bath deposition. Applied Physics Letters, 2015, 106, .	3.3	42
20	ZnO nanowalls integrated on ultra-thin flexible TFT based on polysilicon for pH sensing. , 2014, , .		0
21	(Invited) Flexible Sensors Based on Low-Temperature Polycrystalline Silicon Thin Film Transistor Technology. ECS Transactions, 2014, 64, 165-173.	0.5	1
22	LTPS TFT technology on flexible substrates for sensor applications. , 2014, , .		3
23	Flexible pH sensors based on polysilicon thin film transistors and ZnO nanowalls. Applied Physics Letters, 2014, 105, .	3.3	71
24	Double Role of HMTA in ZnO Nanorods Grown by Chemical Bath Deposition. Journal of Physical Chemistry C, 2014, 118, 28189-28195.	3.1	142
25	Optimization of ZnO:Al/Ag/ZnO:Al structures for ultra-thin high-performance transparent conductive electrodes. Thin Solid Films, 2012, 520, 4432-4435.	1.8	104