

Ca Betty

List of Publications by Year in descending order

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14
papers

353
citations

759233

12
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

445
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic and photo electrochemical properties of cadmium zinc sulfide solid solution in the presence of Pt and RuS ₂ dual co-catalysts. <i>Applied Catalysis A: General</i> , 2016, 517, 91-99.	4.3	59
2	Macroporous silicon based capacitive affinity sensor fabrication and electrochemical studies. <i>Sensors and Actuators B: Chemical</i> , 2004, 97, 334-343.	7.8	52
3	Highly sensitive capacitive immunosensor based on porous silicon/polyaniline structure: Bias dependence on specificity. <i>Biosensors and Bioelectronics</i> , 2009, 25, 338-343.	10.1	43
4	Microflowers of Pd doped ZnS for visible light photocatalytic and photoelectrochemical applications. <i>Materials Science in Semiconductor Processing</i> , 2018, 86, 139-145.	4.0	34
5	Reliability studies of highly sensitive and specific multi-gas sensor based on nanocrystalline SnO ₂ film. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 484-491.	7.8	33
6	Discerning specific gas sensing at room temperature by ultrathin SnO ₂ films using impedance approach. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 781-788.	7.8	24
7	Charge carrier transport in nanocrystalline SnO ₂ thin film sensor and temperature dependence of toxic gas sensitivity. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 787-794.	7.8	23
8	Au nanoparticle modified GO/PEDOT-PSS based immunosensor probes for sensitive and selective detection of serum immunoglobulin g (IgG). <i>Applied Surface Science</i> , 2022, 575, 151775.	6.1	21
9	Impedance model of electrolyte/insulator/semiconductor structure with porous silicon semiconductor. <i>Electrochimica Acta</i> , 2009, 54, 3781-3787.	5.2	15
10	Facile preparation of Silicon/ZnO thin film heterostructures and ultrasensitive toxic gas sensing at room temperature: Substrate dependence on specificity. <i>Analytica Chimica Acta</i> , 2018, 1039, 82-90.	5.4	15
11	Time response and stability of porous silicon capacitive immunosensors. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1027-1033.	10.1	14
12	Effect of Indium doping on the photoelectrochemical and photocatalytic properties of zinc sulphide. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 226, 57-63.	3.5	13
13	Thickness dependence of nanocrystalline tin oxide thin films in capacitive biosensor characterization. <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114742.	3.8	5
14	Reversal of charge transfer direction at gold/copper phthalocyanine film interface on post deposition annealing: A vibrational spectroscopic study. <i>Applied Surface Science</i> , 2021, 542, 148743.	6.1	2