

Radouane Leghrib

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.

22
papers

946
citations

13
h-index

22
g-index

22
ext. papers

1,046
ext. citations

6.5
avg, IF

3.68
L-index

#	Paper	IF	Citations
22	Gas sensing with Au-decorated carbon nanotubes. <i>ACS Nano</i> , 2011 , 5, 4592-9	16.7	212
21	Boron- and nitrogen-doped multi-wall carbon nanotubes for gas detection. <i>Carbon</i> , 2014 , 66, 662-673	10.4	112
20	Carbon nanotubes randomly decorated with gold clusters: from nano2hybrid atomic structures to gas sensing prototypes. <i>Nanotechnology</i> , 2009 , 20, 375501	3.4	93
19	Room-temperature, selective detection of benzene at trace levels using plasma-treated metal-decorated multiwalled carbon nanotubes. <i>Carbon</i> , 2010 , 48, 3477-3484	10.4	84
18	Gas sensors based on multiwall carbon nanotubes decorated with tin oxide nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2010 , 145, 411-416	8.5	69
17	Flexible gas sensor array with an embedded heater based on metal decorated carbon nanofibres. <i>Sensors and Actuators B: Chemical</i> , 2013 , 187, 401-406	8.5	64
16	Gas sensors based on doped-CNT/SnO ₂ composites for NO ₂ detection at room temperature. <i>Thin Solid Films</i> , 2011 , 520, 966-970	2.2	61
15	Gas sensing properties of multiwall carbon nanotubes decorated with rhodium nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2011 , 160, 974-980	8.5	56
14	Novel hybrid materials for gas sensing applications made of metal-decorated MWCNTs dispersed on nano-particle metal oxides. <i>Sensors and Actuators B: Chemical</i> , 2008 , 131, 174-182	8.5	50
13	Flexible inkjet printed high-k HfO ₂ -based MIM capacitors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1804-1812	7.18	35
12	Flexible sensor based on carbon nanofibers with multifunctional sensing features. <i>Talanta</i> , 2013 , 107, 239-47	6.2	28
11	Drop-coated sensing layers on ultra low power hotplates for an RFID flexible tag microlab. <i>Sensors and Actuators B: Chemical</i> , 2010 , 144, 462-466	8.5	20
10	Quantitative trace analysis of benzene using an array of plasma-treated metal-decorated carbon nanotubes and fuzzy adaptive resonant theory techniques. <i>Analytica Chimica Acta</i> , 2011 , 708, 19-27	6.6	18
9	Gas sensing properties of MWCNTs decorated with gold or tin oxide nanoparticles. <i>Procedia Chemistry</i> , 2009 , 1, 168-171		10
8	Development of a gas pre-concentrator based on carbon nanotubes for benzene detection. <i>Procedia Engineering</i> , 2011 , 25, 239-242		9
7	Implementation of the Air Quality Monitoring Network at Agadir City in Morocco. <i>Journal of Environmental Protection</i> , 2017 , 08, 540-567	0.6	8
6	Monitoring automobile fuel adulteration using ultrasound technique for environmental issues. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 150, 107004	4.6	6

5	Selective detection of benzene traces at room temperature using metal decorated carbon nanotubes. <i>Procedia Engineering</i> , 2010 , 5, 385-388		5
4	Towards air quality modeling in Agadir City (Morocco). <i>Materials Today: Proceedings</i> , 2020 , 24, 17-23	1.4	4
3	RF sputtering as a tool for plasma treating and metal decoration. <i>Procedia Engineering</i> , 2011 , 25, 223-226		1
2	Assessing the freshness of Agadir blue fish using a metal oxide gas sensing array. <i>Materials Today: Proceedings</i> , 2020 , 22, 1-5	1.4	1
1	NO ₂ and CO interaction with plasma treated Au-decorated MWCNTs: Detection pathways. <i>Procedia Chemistry</i> , 2009 , 1, 931-934		