

Lee J Hubble

List of Publications by Year in Descending Order

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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.

29
papers

887
citations

15
h-index

29
g-index

32
ext. papers

1,026
ext. citations

6.1
avg, IF

4.2
L-index

#	Paper	IF	Citations
29	Simultaneous detection of salivary Δ^9 -tetrahydrocannabinol and alcohol using a Wearable Electrochemical Ring Sensor. <i>Talanta</i> , 2020 , 211, 120757	6.2	51
28	Flow-controlled synthesis of gold nanoparticles in a biphasic system with inline liquid-liquid separation. <i>Reaction Chemistry and Engineering</i> , 2020 , 5, 356-366	4.9	7
27	Strong enhancement of gold nanoparticle chemiresistor response to low-partitioning organic analytes induced by pre-exposure to high partitioning organics. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 9117-9123	3.6	
26	Detecting and discriminating pyrethroids with chemiresistor sensors. <i>Environmental Chemistry</i> , 2019 , 16, 553	3.2	0
25	Solvent-induced modulation of the chemical sensing performance of gold nanoparticle film chemiresistors. <i>Sensors and Actuators B: Chemical</i> , 2019 , 284, 316-322	8.5	7
24	Liquid metals for tuning gas sensitive layers. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 6375-6382	7.1	31
23	Wearable electrochemical glove-based sensor for rapid and on-site detection of fentanyl. <i>Sensors and Actuators B: Chemical</i> , 2019 , 296, 126422-126422	8.5	82
22	Ionic Liquid-Modified Disposable Electrochemical Sensor Strip for Analysis of Fentanyl. <i>Analytical Chemistry</i> , 2019 , 91, 3747-3753	7.8	42
21	Wearable Bioelectronics: Enzyme-Based Body-Worn Electronic Devices. <i>Accounts of Chemical Research</i> , 2018 , 51, 2820-2828	24.3	154
20	Sensing at Your Fingertips: Glove-based Wearable Chemical Sensors. <i>Electroanalysis</i> , 2018 , 31, 428	3	15
19	Wearable Flexible and Stretchable Glove Biosensor for On-Site Detection of Organophosphorus Chemical Threats. <i>ACS Sensors</i> , 2017 , 2, 553-561	9.2	190
18	Detection of bacterial metabolites for the discrimination of bacteria utilizing gold nanoparticle chemiresistor sensors. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 895-902	8.5	18
17	Quantifying BTEX in aqueous solutions with potentially interfering hydrocarbons using a partially selective sensor array. <i>Analyst</i> , 2015 , 140, 3233-8	5	13
16	High-throughput fabrication and screening improves gold nanoparticle chemiresistor sensor performance. <i>ACS Combinatorial Science</i> , 2015 , 17, 120-9	3.9	29
15	Quantifying mixtures of hydrocarbons dissolved in water with a partially selective sensor array using random forests analysis. <i>Sensors and Actuators B: Chemical</i> , 2014 , 202, 279-285	8.5	13
14	Transistor-Like Modulation of Gold Nanoparticle Film Conductivity Using Hydrophobic Ions. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1400062	4.6	4
13	Performance of graphene, carbon nanotube, and gold nanoparticle chemiresistor sensors for the detection of petroleum hydrocarbons in water. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	27

12	Influence of Gold Nanoparticle Film Porosity on the Chemiresistive Sensing Performance. <i>Electroanalysis</i> , 2013 , 25, n/a-n/a	3	2
11	Gold nanoparticle chemiresistors operating in biological fluids. <i>Lab on A Chip</i> , 2012 , 12, 3040-8	7.2	18
10	A water-soluble fluoroionophore: p-(4-sulfonatophenyl)calix[8]arene. <i>New Journal of Chemistry</i> , 2012 , 36, 1070	3.6	2
9	Multifunctional water-soluble molecular capsules based on p-phosphonic acid calix[5]arene. <i>Chemical Communications</i> , 2011 , 47, 7353-5	5.8	36
8	Dynamic response of gold nanoparticle chemiresistors to organic analytes in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 18208-16	3.6	14
7	Chemical Sensor Array That Can Differentiate Complex Hydrocarbon Mixtures Dissolved in Seawater. <i>Sensor Letters</i> , 2011 , 9, 609-611	0.9	7
6	Characterization of the Sensor Response of Gold Nanoparticle Chemiresistors. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 17529-17534	3.8	20
5	Gold nanoparticle chemiresistor sensor array that differentiates between hydrocarbon fuels dissolved in artificial seawater. <i>Analytical Chemistry</i> , 2010 , 82, 3788-95	7.8	51
4	Electrical noise in gold nanoparticle chemiresistors: Effects of measurement environment and organic linker properties 2010 ,		2
3	Bare palladium nano-rosettes for real-time high-performance and facile hydrogen sensing. <i>Sensors and Actuators B: Chemical</i> , 2010 , 150, 291-295	8.5	12
2	Selective diameter uptake of single-walled carbon nanotubes in water using phosphonated calixarenes and extended arm-sulfonated calixarenes. <i>Journal of Materials Chemistry</i> , 2008 , 18, 5961		26
1	Nanofibers of fullerene C60 through interplay of ball-and-socket supermolecules. <i>Chemistry - A European Journal</i> , 2007 , 13, 6755-60	4.8	14