Lee J Hubble

List of Publications by Citations

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	Wearable Flexible and Stretchable Glove Biosensor for On-Site Detection of Organophosphorus Chemical Threats. *ACS Sensors*, **2017**, 2, 553-561	9.2	190
28	Wearable Bioelectronics: Enzyme-Based Body-Worn Electronic Devices. *Accounts of Chemical Research*, **2018**, 51, 2820-2828	24.3	154
27	Wearable electrochemical glove-based sensor for rapid and on-site detection of fentanyl. *Sensors and Actuators B: Chemical*, **2019**, 296, 126422-126422	8.5	82
26	Simultaneous detection of salivary Δ-tetrahydrocannabinol and alcohol using a Wearable Electrochemical Ring Sensor. *Talanta*, **2020**, 211, 120757	6.2	51
25	Gold nanoparticle chemiresistor sensor array that differentiates between hydrocarbon fuels dissolved in artificial seawater. *Analytical Chemistry*, **2010**, 82, 3788-95	7.8	51
24	Ionic Liquid-Modified Disposable Electrochemical Sensor Strip for Analysis of Fentanyl. *Analytical Chemistry*, **2019**, 91, 3747-3753	7.8	42
23	Multifunctional water-soluble molecular capsules based on p-phosphonic acid calix[5]arene. *Chemical Communications*, **2011**, 47, 7353-5	5.8	36
22	Liquid metals for tuning gas sensitive layers. *Journal of Materials Chemistry C*, **2019**, 7, 6375-6382	7.1	31
21	High-throughput fabrication and screening improves gold nanoparticle chemiresistor sensor performance. *ACS Combinatorial Science*, **2015**, 17, 120-9	3.9	29
20	Performance of graphene, carbon nanotube, and gold nanoparticle chemiresistor sensors for the detection of petroleum hydrocarbons in water. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	27
19	Selective diameter uptake of single-walled carbon nanotubes in water using phosphonated calixarenes and extended arm sulfonated calixarenes. *Journal of Materials Chemistry*, **2008**, 18, 5961		26
18	Characterization of the Sensor Response of Gold Nanoparticle Chemiresistors. *Journal of Physical Chemistry C*, **2010**, 114, 17529-17534	3.8	20
17	Detection of bacterial metabolites for the discrimination of bacteria utilizing gold nanoparticle chemiresistor sensors. *Sensors and Actuators B: Chemical*, **2015**, 220, 895-902	8.5	18
16	Gold nanoparticle chemiresistors operating in biological fluids. *Lab on A Chip*, **2012**, 12, 3040-8	7.2	18
15	Sensing at Your Fingertips: Glove-based Wearable Chemical Sensors. *Electroanalysis*, **2018**, 31, 428	3	15
14	Dynamic response of gold nanoparticle chemiresistors to organic analytes in aqueous solution. *Physical Chemistry Chemical Physics*, **2011**, 13, 18208-16	3.6	14
13	Nanofibers of fullerene C60 through interplay of ball-and-socket supermolecules. *Chemistry - A European Journal*, **2007**, 13, 6755-60	4.8	14

List of Publications

12	Quantifying BTEX in aqueous solutions with potentially interfering hydrocarbons using a partially selective sensor array. *Analyst, The*, **2015**, 140, 3233-8	5	13
11	Quantifying mixtures of hydrocarbons dissolved in water with a partially selective sensor array using random forests analysis. *Sensors and Actuators B: Chemical*, **2014**, 202, 279-285	8.5	13
10	Bare palladium nano-rosettes for real-time high-performance and facile hydrogen sensing. *Sensors and Actuators B: Chemical*, **2010**, 150, 291-295	8.5	12
9	Solvent-induced modulation of the chemical sensing performance of gold nanoparticle film chemiresistors. *Sensors and Actuators B: Chemical*, **2019**, 284, 316-322	8.5	7
8	Chemical Sensor Array That Can Differentiate Complex Hydrocarbon Mixtures Dissolved in Seawater. *Sensor Letters*, **2011**, 9, 609-611	0.9	7
7	Flow-controlled synthesis of gold nanoparticles in a biphasic system with inline liquid–liquid separation. *Reaction Chemistry and Engineering*, **2020**, 5, 356-366	4.9	7
6	Transistor-Like Modulation of Gold Nanoparticle Film Conductivity Using Hydrophobic Ions. *Advanced Materials Interfaces*, **2014**, 1, 1400062	4.6	4
5	A water-soluble fluoroionophore: p-(4-sulfonatophenyl)calix[8]arene. *New Journal of Chemistry*, **2012**, 36, 1070	3.6	2
4	Influence of Gold Nanoparticle Film Porosity on the Chemiresistive Sensing Performance. *Electroanalysis*, **2013**, 25, n/a-n/a	3	2
3	Electrical noise in gold nanoparticle chemiresistors: Effects of measurement environment and organic linker properties **2010**,		2
2	Detecting and discriminating pyrethroids with chemiresistor sensors. *Environmental Chemistry*, **2019**, 16, 553	3.2	0
1	Strong enhancement of gold nanoparticle chemiresistor response to low-partitioning organic analytes induced by pre-exposure to high partitioning organics. *Physical Chemistry Chemical Physics*, **2020**, 22, 9117-9123	3.6	