Lee J Hubble

List of Publications by Year
in descending order

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32	1,222	516215 16	500791 28
papers	citations	h-index	g-index

32	32	32	1765
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wearable Flexible and Stretchable Glove Biosensor for On-Site Detection of Organophosphorus Chemical Threats. ACS Sensors, 2017, 2, 553-561.	4.0	260
2	Wearable Bioelectronics: Enzyme-Based Body-Worn Electronic Devices. Accounts of Chemical Research, 2018, 51, 2820-2828.	7.6	214
3	Wearable electrochemical glove-based sensor for rapid and on-site detection of fentanyl. Sensors and Actuators B: Chemical, 2019, 296, 126422.	4.0	134
4	Simultaneous detection of salivary Î”9-tetrahydrocannabinol and alcohol using a Wearable Electrochemical Ring Sensor. Talanta, 2020, 211, 120757.	2.9	95
5	Ionic Liquid-Modified Disposable Electrochemical Sensor Strip for Analysis of Fentanyl. Analytical Chemistry, 2019, 91, 3747-3753.	3.2	70
6	Gold Nanoparticle Chemiresistor Sensor Array that Differentiates between Hydrocarbon Fuels Dissolved in Artificial Seawater. Analytical Chemistry, 2010, 82, 3788-3795.	3.2	55
7	Liquid metals for tuning gas sensitive layers. Journal of Materials Chemistry C, 2019, 7, 6375-6382.	2.7	46
8	Sensing at Your Fingertips: Gloveâ€based Wearable Chemical Sensors. Electroanalysis, 2019, 31, 428-436.	1.5	43
9	Multifunctional water-soluble molecular capsules based on p-phosphonic acid calix[5]arene. Chemical Communications, 2011, 47, 7353.	2.2	38
10	High-Throughput Fabrication and Screening Improves Gold Nanoparticle Chemiresistor Sensor Performance. ACS Combinatorial Science, 2015, 17, 120-129.	3.8	32
11	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.	0.8	29
12	Selective diameter uptake of single-walled carbon nanotubes in water using phosphonated calixarenes and â€˜extended armâ€™ sulfonated calixarenes. Journal of Materials Chemistry, 2008, 18, 5961.	6.7	27
13	Characterization of the Sensor Response of Gold Nanoparticle Chemiresistors. Journal of Physical Chemistry C, 2010, 114, 17529-17534.	1.5	20
14	Gold nanoparticle chemiresistors operating in biological fluids. Lab on A Chip, 2012, 12, 3040.	3.1	20
15	Detection of bacterial metabolites for the discrimination of bacteria utilizing gold nanoparticle chemiresistor sensors. Sensors and Actuators B: Chemical, 2015, 220, 895-902.	4.0	20
16	Nanofibers of Fullerene C60 through Interplay of Ball-and-Socket Supermolecules. Chemistry - A European Journal, 2007, 13, 6755-6760.	1.7	16
17	Dynamic response of gold nanoparticle chemiresistors to organic analytes in aqueous solution. Physical Chemistry Chemical Physics, 2011, 13, 18208.	1.3	16
18	Quantifying BTEX in aqueous solutions with potentially interfering hydrocarbons using a partially selective sensor array. Analyst, The, 2015, 140, 3233-3238.	1.7	16

#	Article	IF	Citations
19	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.	4.0	15
20	Bare palladium nano-rosettes for real-time high-performance and facile hydrogen sensing. Sensors and Actuators B: Chemical, 2010, 150, 291-295.	4.0	13
21	Flow-controlled synthesis of gold nanoparticles in a biphasic system with inline liquidâ€“liquid separation. Reaction Chemistry and Engineering, 2020, 5, 356-366.	1.9	13
22	Solvent-induced modulation of the chemical sensing performance of gold nanoparticle film chemiresistors. Sensors and Actuators B: Chemical, 2019, 284, 316-322.	4.0	7
23	Chemical Sensor Array That Can Differentiate Complex Hydrocarbon Mixtures Dissolved in Seawater. Sensor Letters, 2011, 9, 609-611.	0.4	7
24	Transistorâ€Like Modulation of Gold Nanoparticle Film Conductivity Using Hydrophobic Ions. Advanced Materials Interfaces, 2014, 1, 1400062.	1.9	5
25	Influence of Gold Nanoparticle Film Porosity on the Chemiresistive Sensing Performance. Electroanalysis, 2013, 25, 2313-2320.	1.5	4
26	Electrical noise in gold nanoparticle chemiresistors: Effects of measurement environment and organic linker properties. , 2010, , .		3
27	A water-soluble fluoroionophore: p-(4-sulfonatophenyl)calix[8]arene. New Journal of Chemistry, 2012, 36, 1070.	1.4	2
28	Detecting and discriminating pyrethroids with chemiresistor sensors. Environmental Chemistry, 2019, 16, 553.	0.7	1
29	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.	1.3	1
30	Sensor System for Directly Detecting and Identifying Hydrocarbons in Water. , 2012, , .		0
31	Using Chemiresistor Sensor Arrays to Test Petrol Station Groundwater Samples for Hydrocarbon Pollutants. ECS Meeting Abstracts, 2020, MA2020-01, 2204-2204.	0.0	0
32	Wearable Electrochemical Sensors for Rapid and on-Site Chemical Threat Assessment. ECS Meeting Abstracts, 2020, MA2020-01, 2003-2003.	0.0	0