

Gabriela ValdÃ©s-RamÃ©rez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6972981/publications.pdf>

Version: 2024-02-01

29
papers

4,248
citations

236925

25
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

4585
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Tattoo Biosensors for Real-Time Noninvasive Lactate Monitoring in Human Perspiration. <i>Analytical Chemistry</i> , 2013, 85, 6553-6560.	6.5	686
2	Wearable salivary uric acid mouthguard biosensor with integrated wireless electronics. <i>Biosensors and Bioelectronics</i> , 2015, 74, 1061-1068.	10.1	471
3	Epidermal tattoo potentiometric sodium sensors with wireless signal transduction for continuous non-invasive sweat monitoring. <i>Biosensors and Bioelectronics</i> , 2014, 54, 603-609.	10.1	403
4	Tattoo-based potentiometric ion-selective sensors for epidermal pH monitoring. <i>Analyst, The</i> , 2013, 138, 123-128.	3.5	300
5	Non-invasive mouthguard biosensor for continuous salivary monitoring of metabolites. <i>Analyst, The</i> , 2014, 139, 1632-1636.	3.5	292
6	Epidermal Biofuel Cells: Energy Harvesting from Human Perspiration. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7233-7236.	13.8	271
7	Bandage-Based Wearable Potentiometric Sensor for Monitoring Wound pH. <i>Electroanalysis</i> , 2014, 26, 1345-1353.	2.9	240
8	Micromotor-Based High-Yielding Fast Oxidative Detoxification of Chemical Threats. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13276-13279.	13.8	184
9	Electrochemical sensing based on printable temporary transfer tattoos. <i>Chemical Communications</i> , 2012, 48, 6794.	4.1	150
10	Microneedle-based self-powered glucose sensor. <i>Electrochemistry Communications</i> , 2014, 47, 58-62.	4.7	150
11	A Self-Powered "Sense-Act-Treat" System that is Based on a Biofuel Cell and Controlled by Boolean Logic. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2686-2689.	13.8	139
12	Microneedle array-based carbon paste amperometric sensors and biosensors. <i>Analyst, The</i> , 2011, 136, 1846.	3.5	130
13	Wearable electrochemical sensors for in situ analysis in marine environments. <i>Analyst, The</i> , 2011, 136, 2912.	3.5	112
14	Bicomponent Microneedle Array Biosensor for Minimally-Invasive Glutamate Monitoring. <i>Electroanalysis</i> , 2011, 23, 2302-2309.	2.9	99
15	Textile-Based Electrochemical Sensing: Effect of Fabric Substrate and Detection of Nitroaromatic Explosives. <i>Electroanalysis</i> , 2010, 22, 2511-2518.	2.9	84
16	Sensitive amperometric biosensor for dichlorvos quantification: Application to detection of residues on apple skin. <i>Talanta</i> , 2008, 74, 741-746.	5.5	73
17	Efficient Biocatalytic Degradation of Pollutants by Enzyme-Releasing Self-Propelled Motors. <i>Chemistry - A European Journal</i> , 2014, 20, 2866-2871.	3.3	71
18	Acetylcholinesterase-based biosensors for quantification of carbofuran, carbaryl, methylparaoxon, and dichlorvos in 5% acetonitrile. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 699-707.	3.7	60

#	ARTICLE	IF	CITATIONS
19	Microengine-assisted electrochemical measurements at printable sensor strips. <i>Chemical Communications</i> , 2015, 51, 8668-8671.	4.1	52
20	High-fidelity determination of security threats via a Boolean biocatalytic cascade. <i>Chemical Communications</i> , 2011, 47, 3087.	4.1	46
21	A wearable fingernail chemical sensing platform: pH sensing at your fingertips. <i>Talanta</i> , 2016, 150, 622-628.	5.5	46
22	Multiplexed and switchable release of distinct fluids from microneedle platforms via conducting polymer nanoactuators for potential drug delivery. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 1018-1024.	7.8	42
23	A disposable electrochemical biosensor for L-DOPA determination in undiluted human serum. <i>Electrochemistry Communications</i> , 2014, 48, 28-31.	4.7	29
24	Enzyme-based NAND gate for rapid electrochemical screening of traumatic brain injury in serum. <i>Analytica Chimica Acta</i> , 2011, 703, 94-100.	5.4	25
25	Development of amperometric α -ketoglutarate biosensor based on ruthenium-rhodium modified carbon fiber enzyme microelectrode. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3670-3673.	10.1	22
26	Composites: A novel alternative to construct solid state Ag/AgCl reference electrodes. <i>Sensors and Actuators B: Chemical</i> , 2005, 110, 264-270.	7.8	21
27	Orthogonal Detection of Nitroaromatic Explosives via Direct Voltammetry Coupled to Enzyme-Mediated Biocatalysis. <i>Electroanalysis</i> , 2012, 24, 1811-1816.	2.9	16
28	Biosensing Membrane Base on Ferulic Acid and Glucose Oxidase for an Amperometric Glucose Biosensor. <i>Molecules</i> , 2021, 26, 3757.	3.8	5
29	Silver and Silver Chloride Electrodeposits, an Alternative in the Construction of Ag/AgCl Solid Electrodes. <i>ECS Transactions</i> , 2007, 3, 99-103.	0.5	0