

Can-Peng Li

List of Publications by Year in descending order

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32
papers

1,361
citations

331538

21
h-index

434063

31
g-index

32
all docs

32
docs citations

32
times ranked

1745
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasensitive supersandwich-type electrochemical sensor for SARS-CoV-2 from the infected COVID-19 patients using a smartphone. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128899.	4.0	303
2	Bridged β -cyclodextrin-functionalized MWCNT with higher supramolecular recognition capability: The simultaneous electrochemical determination of three phenols. <i>Biosensors and Bioelectronics</i> , 2015, 68, 617-625.	5.3	93
3	Ultrasensitive electrochemical sensor for prostate specific antigen detection with a phosphorene platform and magnetic covalent organic framework signal amplifier. <i>Biosensors and Bioelectronics</i> , 2019, 144, 111691.	5.3	82
4	Label-free electrochemical immunosensor based on gold@silicon carbide nanocomposites for sensitive detection of human chorionic gonadotrophin. <i>Biosensors and Bioelectronics</i> , 2014, 57, 199-206.	5.3	73
5	A highly sensitive electrochemical sensor for simultaneous determination of hydroquinone and bisphenol A based on the ultrafine Pd nanoparticle@TiO ₂ functionalized SiC. <i>Analytica Chimica Acta</i> , 2014, 852, 28-36.	2.6	71
6	The synthesis of amphiphilic pillar[5]arene functionalized reduced graphene oxide and its application as novel fluorescence sensing platform for the determination of acetaminophen. <i>Biosensors and Bioelectronics</i> , 2017, 91, 863-869.	5.3	59
7	Highly sensitive electrochemical sensor based on β -cyclodextrin@gold@3, 4, 9, 10-perylene tetracarboxylic acid functionalized single-walled carbon nanohorns for simultaneous determination of myricetin and rutin. <i>Analytica Chimica Acta</i> , 2015, 892, 85-94.	2.6	56
8	A novel acetylcholinesterase biosensor based on carboxylic graphene coated with silver nanoparticles for pesticide detection. <i>Materials Science and Engineering C</i> , 2014, 35, 253-258.	3.8	54
9	Electrochemical simultaneous determination of hydroquinone and p-nitrophenol based on host-guest molecular recognition capability of dual β -cyclodextrin functionalized Au@graphene nanohybrids. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 1-8.	4.0	46
10	Calix[8]arene functionalized single-walled carbon nanohorns for dual-signalling electrochemical sensing of aconitine based on competitive host-guest recognition. <i>Biosensors and Bioelectronics</i> , 2016, 83, 347-352.	5.3	46
11	Indicator displacement assay for cholesterol electrochemical sensing using a calix[6]arene functionalized graphene-modified electrode. <i>Analyst</i> , The, 2016, 141, 270-278.	1.7	45
12	A comparison study of macrocyclic hosts functionalized reduced graphene oxide for electrochemical recognition of tadalafil. <i>Biosensors and Bioelectronics</i> , 2017, 89, 361-369.	5.3	44
13	Dual β -cyclodextrin functionalized Au@SiC nanohybrids for the electrochemical determination of tadalafil in the presence of acetonitrile. <i>Biosensors and Bioelectronics</i> , 2015, 64, 126-130.	5.3	43
14	A new strategy for the sensitive electrochemical determination of nitrophenol isomers using β -cyclodextrin derivative-functionalized silicon carbide. <i>RSC Advances</i> , 2018, 8, 775-784.	1.7	38
15	A novel affinity peptide-antibody sandwich electrochemical biosensor for PSA based on the signal amplification of MnO ₂ -functionalized covalent organic framework. <i>Talanta</i> , 2021, 233, 122520.	2.9	36
16	Fluorescent Detection of Tadalafil Based on Competitive Host-Guest Interaction Using p-Sulfonated Calix[6]arene Functionalized Graphene. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26557-26565.	4.0	29
17	p-sulfonated calix[8]arene functionalized graphene as a fluorescent sensing platform for aconitine determination. <i>Biosensors and Bioelectronics</i> , 2016, 82, 146-154.	5.3	28
18	Covalent Framework Particles Modified with MnO ₂ Nanosheets and Au Nanoparticles as Electrochemical Immunosensors for Human Chorionic Gonadotropin. <i>ACS Applied Nano Materials</i> , 2021, 4, 4593-4601.	2.4	28

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19	Electrochemical sensor for human norovirus based on covalent organic framework/pillararene heterosupramolecular nanocomposites. <i>Talanta</i> , 2022, 237, 122896.	2.9	26
20	Electrochemical sensor for cancer cell detection using calix[8]arene/polydopamine/phosphorene nanocomposite based on host-guest recognition. <i>Sensors and Actuators B: Chemical</i> , 2020, 317, 128193.	4.0	25
21	Ultrasensitive and ultrawide range electrochemical determination of bisphenol A based on PtPd bimetallic nanoparticles and cationic pillar[5]arene decorated graphene. <i>Journal of Electroanalytical Chemistry</i> , 2019, 855, 113487.	1.9	23
22	A novel fluorescent sensing platform for insulin detection based on competitive recognition of cationic pillar[6]arene. <i>Talanta</i> , 2019, 197, 130-137.	2.9	23
23	Simultaneous determination of two flavonoids based on disulfide linked β -cyclodextrin dimer and Pd cluster functionalized graphene-modified electrode. <i>RSC Advances</i> , 2015, 5, 60775-60785.	1.7	15
24	Carboxylic silica nanosheet-platinum nanoparticle modified glass carbon electrodes for pesticide detection. <i>Analytical Methods</i> , 2014, 6, 1914-1921.	1.3	14
25	A FRET-based fluorescent approach for labetalol sensing using calix[6]arene functionalized MnO ₂ @graphene as a receptor. <i>RSC Advances</i> , 2016, 6, 79350-79360.	1.7	14
26	Ultrasensitive electrochemical detection of Dicer1 3'UTR for the fast analysis of alternative cleavage and polyadenylation. <i>Nanoscale</i> , 2017, 9, 4272-4282.	2.8	13
27	A reversible ion transportation switch of ON-OFF-ON type by a ligand-gated calix[6]arene channel. <i>Chemical Communications</i> , 2019, 55, 3008-3011.	2.2	11
28	Ultrasensitive electrochemical detection of alternative cleavage and polyadenylation of CCND2 gene at the single-cell level. <i>Sensors and Actuators B: Chemical</i> , 2019, 285, 553-561.	4.0	8
29	Label-Free Fluorescent Determination of Sunset Yellow in Soft Drinks Based on an Indicator-Displacement Assay. <i>Journal of Food Quality</i> , 2018, 2018, 1-9.	1.4	7
30	Cationic Pillar[6]arene Induces Cell Apoptosis by Inhibiting Protein Tyrosine Phosphorylation Via Host-Guest Recognition. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4979.	1.8	7
31	A novel electrochemical assay for chymosin determination using a label-free peptide as a substrate. <i>Journal of Dairy Science</i> , 2021, 104, 2511-2519.	1.4	1
32	Ultra-high stable lead halide perovskite nanocrystals as bright fluorescent label for the visualization of latent fingerprints. <i>Nanotechnology</i> , 2021, 32, 375601.	1.3	0