

Seyyed Mehdi Khoshfetrat

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

850
citations

516215

16
h-index

676716

22
g-index

22
all docs

22
docs citations

22
times ranked

926
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical sensors and biosensors based on the use of polyaniline and its nanocomposites: a review on recent advances. <i>Mikrochimica Acta</i> , 2019, 186, 465.	2.5	125
2	Visual electrochemiluminescence biosensing of aflatoxin M1 based on luminol-functionalized, silver nanoparticle-decorated graphene oxide. <i>Biosensors and Bioelectronics</i> , 2018, 100, 382-388.	5.3	119
3	Amplified detection of leukemia cancer cells using an aptamer-conjugated gold-coated magnetic nanoparticles on a nitrogen-doped graphene modified electrode. <i>Bioelectrochemistry</i> , 2017, 114, 24-32.	2.4	109
4	Enhanced Visual Wireless Electrochemiluminescence Immunosensing of Prostate-Specific Antigen Based on the Luminol Loaded into MIL-53(Fe)-NH ₂ Accelerator and Hydrogen Evolution Reaction Mediation. <i>Analytical Chemistry</i> , 2019, 91, 6383-6390.	3.2	71
5	Wireless Electrochemiluminescence Bipolar Electrode Array for Visualized Genotyping of Single Nucleotide Polymorphism. <i>Analytical Chemistry</i> , 2015, 87, 8123-8131.	3.2	52
6	Impedimetric Paper-Based Enzymatic Biosensor Using Electrospun Cellulose Acetate Nanofiber and Reduced Graphene Oxide for Detection of Glucose From Whole Blood. <i>IEEE Sensors Journal</i> , 2021, 21, 9210-9217.	2.4	40
7	Smartphone-Based Electrochemiluminescence for Visual Simultaneous Detection of <i>RASSF1A</i> and <i>SLC5A8</i> Tumor Suppressor Gene Methylation in Thyroid Cancer Patient Plasma. <i>Analytical Chemistry</i> , 2022, 94, 8005-8013.	3.2	34
8	Voltammetric immunosensor for E-cadherin promoter DNA methylation using a Fe ₃ O ₄ -citric acid nanocomposite and a screen-printed carbon electrode modified with poly(vinyl alcohol) and reduced graphene oxide. <i>Mikrochimica Acta</i> , 2019, 186, 170.	2.5	31
9	Electrochemiluminescence paper-based screen-printed electrode for HbA1c detection using two-dimensional zirconium metal-organic framework/Fe ₃ O ₄ nanosheet composites decorated with Au nanoclusters. <i>Mikrochimica Acta</i> , 2021, 188, 296.	2.5	30
10	Electrochemical immunosensor for determination of cardiac troponin I using two-dimensional metal-organic framework/Fe ₃ O ₄ -COOH nanosheet composites loaded with thionine and pCTAB/DES modified electrode. <i>Talanta</i> , 2022, 237, 122911.	2.9	29
11	Cascade electrochemiluminescence-based integrated graphitic carbon nitride-encapsulated metal-organic framework nanozyme for prostate-specific antigen biosensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 348, 130658.	4.0	29
12	A Prostate Specific Antigen Immunosensor Based on Biotinylated α -Antibody/Cyclodextrin Inclusion Complex: Fabrication and Electrochemical Studies. <i>Electroanalysis</i> , 2017, 29, 2818-2831.	1.5	28
13	Dual amplification of single nucleotide polymorphism detection using graphene oxide and nanoporous gold electrode platform. <i>Analyst</i> , 2014, 139, 5192-5199.	1.7	24
14	Enhanced electrochemiluminescence biosensing of gene-specific methylation in thyroid cancer patients' plasma based integrated graphitic carbon nitride-encapsulated metal-organic framework nanozyme optimized by central composite design. <i>Sensors and Actuators B: Chemical</i> , 2022, 364, 131895.	4.0	23
15	Fabrication and design of new redox active azure A/3D graphene aerogel and conductive trypan blue-nickel MOF nanosheet array electrodes for an asymmetric supercapattery. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12853-12869.	5.2	19
16	Amplified electrochemical genotyping of single-nucleotide polymorphisms using a graphene-gold nanoparticles modified glassy carbon platform. <i>RSC Advances</i> , 2015, 5, 29285-29293.	1.7	16
17	Point-of-care biosensors in medicine: a brief overview of our achievements in this field based on the conducted research in EMRI (endocrinology and metabolism research Institute of Tehran University) <i>Tj ETQq1 1 0.784314 rgBT /Overloc</i> 1-5.	0.8	16
18	Electrochemiluminescent biosensor for ultrasensitive detection of lymphoma at the early stage using CD20 markers as B cell-specific antigens. <i>Bioelectrochemistry</i> , 2021, 138, 107730.	2.4	16

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19	Electrochemical Genotyping of Single-Nucleotide Polymorphisms by using Monobase-Conjugated Modified Nanoparticles. ChemElectroChem, 2014, 1, 779-786.	1.7	12
20	Carbon nanotube composite coated platinum electrode for detection of Ga(III). Journal of Hazardous Materials, 2011, 185, 101-106.	6.5	11
21	Aptamer-conjugated Magnetic Nanoparticles as Targeted Magnetic Resonance Imaging Contrast Agent for Breast Cancer. Journal of Medical Signals and Sensors, 2016, 6, 243-247.	0.5	11
22	Rich-color visual genotyping of single-nucleotide polymorphisms based on platinum nanoparticle-induced etching of gold nanorods. Emergent Materials, 2019, 2, 351-361.	3.2	5