

Mahmoud Amouzadeh Tabrizi

List of Publications by Year in descending order

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54
papers

1,849
citations

186209
28
h-index

265120
42
g-index

55
all docs

55
docs citations

55
times ranked

2302
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | An ultrasensitive molecularly imprinted polymer-based electrochemical sensor for the determination of SARS-CoV-2-RBD by using macroporous gold screen-printed electrode. <i>Biosensors and Bioelectronics</i> , 2022, 196, 113729. | 5.3 | 57 |
| 2 | Highly Sensitive RNA-Based Electrochemical Aptasensor for the Determination of C-Reactive Protein Using Carbon Nanofiber-Chitosan Modified Screen-Printed Electrode. <i>Nanomaterials</i> , 2022, 12, 415. | 1.9 | 16 |
| 3 | An Electrochemical Impedance Spectroscopy-Based Aptasensor for the Determination of SARS-CoV-2-RBD Using a Carbon Nanofiber-Gold Nanocomposite Modified Screen-Printed Electrode. <i>Biosensors</i> , 2022, 12, 142. | 2.3 | 38 |
| 4 | An electrochemical membrane-based aptasensor for detection of severe acute respiratory syndrome coronavirus-2 receptor-binding domain. <i>Applied Surface Science</i> , 2022, 598, 153867. | 3.1 | 11 |
| 5 | Highly sensitive aptasensor for the detection of SARS-CoV-2-RBD using aptamer-gated methylene blue@mesoporous silica film/laser engraved graphene electrode. <i>Biosensors and Bioelectronics</i> , 2022, 215, 114556. | 5.3 | 12 |
| 6 | A photo-electrochemical aptasensor for the determination of severe acute respiratory syndrome coronavirus 2 receptor-binding domain by using graphitic carbon nitride-cadmium sulfide quantum dots nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130377. | 4.0 | 50 |
| 7 | Remote sensing of Salmonella-specific DNA fragment by using nanoporous alumina modified with the single-strand DNA probe. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127302. | 4.0 | 9 |
| 8 | Highly sensitive IRS based biosensor for the determination of cytochrome c as a cancer marker by using nanoporous anodic alumina modified with trypsin. <i>Biosensors and Bioelectronics</i> , 2020, 149, 111828. | 5.3 | 17 |
| 9 | Advances in Optical Biosensors and Sensors Using Nanoporous Anodic Alumina. <i>Sensors</i> , 2020, 20, 5068. | 2.1 | 12 |
| 10 | Highly sensitive remote biosensor for the determination of lead (II) ions by using nanoporous anodic alumina modified with DNAzyme. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128314. | 4.0 | 16 |
| 11 | An optical biosensor for the determination of cathepsin B as a cancer-associated enzyme using nanoporous anodic alumina modified with human serum albumin-thionine. <i>Mikrochimica Acta</i> , 2020, 187, 230. | 2.5 | 13 |
| 12 | Remote biosensor for the determination of trypsin by using nanoporous anodic alumina as a three-dimensional nanostructured material. <i>Scientific Reports</i> , 2020, 10, 2356. | 1.6 | 21 |
| 13 | Zinc oxide-gold nanocomposite as a proper platform for label-free DNA biosensor. <i>Bioelectrochemistry</i> , 2020, 133, 107458. | 2.4 | 33 |
| 14 | Nanoporous Anodic Alumina As a Three-dimensional Nanostructured material for the Remote Optical Sensing of Urea. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 1424-1424. | 0.0 | 1 |
| 15 | Application of metal-organic framework as redox probe in an electrochemical aptasensor for sensitive detection of MUC1. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111433. | 5.3 | 49 |
| 16 | Highly sensitive aptasensor based on interferometric reflectance spectroscopy for the determination of amyloid β^2 as an Alzheimer's disease biomarkers using nanoporous anodic alumina. <i>Biosensors and Bioelectronics</i> , 2019, 137, 279-286. | 5.3 | 24 |
| 17 | A photoelectrochemical sandwich immunoassay for protein S100 β^2 , a biomarker for Alzheimer's disease, using an ITO electrode modified with a reduced graphene oxide-gold conjugate and CdS-labeled secondary antibody. <i>Mikrochimica Acta</i> , 2019, 186, 117. | 2.5 | 36 |
| 18 | An electrochemical aptamer-based assay for femtomolar determination of insulin using a screen printed electrode modified with mesoporous carbon and 1,3,6,8-pyrenetetrasulfonate. <i>Mikrochimica Acta</i> , 2018, 185, 59. | 2.5 | 32 |

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|----|---|-----|-----------|
| 19 | A highly sensitive electrochemical sensor for the determination of methanol based on PdNPs@SBA-15-PrEn modified electrode. <i>Analytical Biochemistry</i> , 2018, 548, 32-37. | 1.1 | 16 |
| 20 | Isolation of HL-60 cancer cells from the human serum sample using MnO ₂ -PEI/Ni/Au/aptamer as a novel nanomotor and electrochemical determination of thereof by aptamer/gold nanoparticles-poly(3,4-ethylene dioxythiophene) modified GC electrode. <i>Biosensors and Bioelectronics</i> , 2018, 110, 141-146. | 5.3 | 47 |
| 21 | The Electrochemical Aptasensors for the Determination of Tumor Markers. , 2018, , 193-218. | | 2 |
| 22 | A novel electrochemical cyanide sensor using gold nanoparticles decorated carbon ceramic electrode. <i>Microchemical Journal</i> , 2017, 133, 485-489. | 2.3 | 35 |
| 23 | A high sensitive visible light-driven photoelectrochemical aptasensor for shrimp allergen tropomyosin detection using graphitic carbon nitride-TiO ₂ nanocomposite. <i>Biosensors and Bioelectronics</i> , 2017, 98, 113-118. | 5.3 | 82 |
| 24 | Highly sensitive non-enzymatic electrochemical glucose sensor by Nafion/SBA-15-Cu (II) modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 406-412. | 1.9 | 24 |
| 25 | Functionalized Fe ₃ O ₄ /graphene oxide nanocomposites with hairpin aptamers for the separation and preconcentration of trace Pb ²⁺ from biological samples prior to determination by ICP MS. <i>Materials Science and Engineering C</i> , 2017, 77, 459-469. | 3.8 | 53 |
| 26 | An ultrasensitive sandwich-type electrochemical immunosensor for the determination of SKBR-3 breast cancer cell using rGO-TPA/FeHCFnano labeled Anti-HCT as a signal tag. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 823-830. | 4.0 | 31 |
| 27 | Flow injection amperometric sandwich-type aptasensor for the determination of human leukemic lymphoblast cancer cells using MWCNTs-Pdnano/PTCA/aptamer as labeled aptamer for the signal amplification. <i>Analytica Chimica Acta</i> , 2017, 985, 61-68. | 2.6 | 34 |
| 28 | Flow injection amperometric sandwich-type electrochemical aptasensor for the determination of adenocarcinoma gastric cancer cell using aptamer-Au@Ag nanoparticles as labeled aptamer. <i>Electrochimica Acta</i> , 2017, 246, 1147-1154. | 2.6 | 43 |
| 29 | Simultaneous determination of CYC and VEGF165 tumor markers based on immobilization of flavin adenine dinucleotide and thionine as probes on reduced graphene oxide-poly(amidoamine)/gold nanocomposite modified dual working screen-printed electrode. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 1174-1181. | 4.0 | 44 |
| 30 | CdTe amplification nanoplatfoms capped with thioglycolic acid for electrochemical aptasensing of ultra-traces of ATP. <i>Materials Science and Engineering C</i> , 2016, 69, 1354-1360. | 3.8 | 30 |
| 31 | Ultrasensitive aptamer-based on-off assay for lysozyme using a glassy carbon electrode modified with gold nanoparticles and electrochemically reduced graphene oxide. <i>Mikrochimica Acta</i> , 2016, 183, 2733-2743. | 2.5 | 50 |
| 32 | A high sensitive label-free immunosensor for the determination of human serum IgG using overoxidized polypyrrole decorated with gold nanoparticle modified electrode. <i>Materials Science and Engineering C</i> , 2016, 59, 965-969. | 3.8 | 48 |
| 33 | A High Sensitive TNT Sensor Based on Electrochemically Reduced Graphene Oxideâ€Poly(amidoamine) Modified Electrode. <i>Electroanalysis</i> , 2015, 27, 1466-1472. | 1.5 | 27 |
| 34 | A simple method for the fabrication of nanomotors based on a gold nanosheet decorated with CoPt nanoparticles. <i>RSC Advances</i> , 2015, 5, 51508-51511. | 1.7 | 6 |
| 35 | A label-free electrochemical DNA biosensor based on covalent immobilization of salmonella DNA sequences on the nanoporous glassy carbon electrode. <i>Biosensors and Bioelectronics</i> , 2015, 69, 100-105. | 5.3 | 72 |
| 36 | Highly sensitive label free electrochemical detection of VEGF165 tumor marker based on â€signal offâ€ and â€signal onâ€ strategies using an anti-VEGF165 aptamer immobilized BSA-gold nanoclusters/ionic liquid/glassy carbon electrode. <i>Biosensors and Bioelectronics</i> , 2015, 74, 369-375. | 5.3 | 90 |

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|----|---|-----|-----------|
| 37 | A highly sensitive hydrogen peroxide sensor based on (Ag@Au NPs)/poly[o -phenylenediamine] modified glassy carbon electrode. <i>Materials Science and Engineering C</i> , 2015, 56, 426-431. | 3.8 | 11 |
| 38 | A high sensitive electrochemical aptasensor for the determination of VEGF165 in serum of lung cancer patient. <i>Biosensors and Bioelectronics</i> , 2015, 74, 764-769. | 5.3 | 99 |
| 39 | Biomagnetic separation and pre-concentration of trace amounts of Hg ²⁺ in biological samples based on T-rich oligonucleotide modified magnetic beads. <i>Analytical Methods</i> , 2015, 7, 8947-8953. | 1.3 | 11 |
| 40 | Eco-friendly one-pot synthesis of gold decorated reduced graphene oxide using beer as a reducing agent. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 4327-4331. | 2.9 | 23 |
| 41 | Achieving direct electrochemistry of glucose oxidase by one step electrochemical reduction of graphene oxide and its use in glucose sensing. <i>Materials Science and Engineering C</i> , 2014, 45, 103-108. | 3.8 | 22 |
| 42 | The electrochemical copolymerization of diphenylamine and p-phenylenediamine and its use as a modified electrode for amperometric determination of iodate. <i>Journal of Electroanalytical Chemistry</i> , 2014, 724, 8-14. | 1.9 | 14 |
| 43 | Self-assembling of Prussian blue nanocubic particles on nanoporous glassy carbon and its use in the electrocatalytic reduction of hydrogen peroxide. <i>Journal of the Iranian Chemical Society</i> , 2014, 11, 1015-1020. | 1.2 | 3 |
| 44 | A Facile One-Step Method for the Synthesis of Reduced Graphene Oxide Nanocomposites by NADH as Reducing Agent and Its Application in NADH Sensing. <i>Electroanalysis</i> , 2014, 26, 171-177. | 1.5 | 32 |
| 45 | Electrocatalytic Determination of Traces of Hydrazine by a Glassy Carbon Electrode Modified with Palladium-Gold Nanoparticles. <i>Electroanalysis</i> , 2014, 26, 1994-2001. | 1.5 | 16 |
| 46 | Eco-synthesis of graphene and its use in dihydronicotinamide adenine dinucleotide sensing. <i>Analytical Biochemistry</i> , 2014, 460, 29-35. | 1.1 | 16 |
| 47 | Green synthesis of reduced graphene oxide decorated with gold nanoparticles and its glucose sensing application. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 475-482. | 4.0 | 75 |
| 48 | Direct electron transfer from glucose oxidase immobilized on an overoxidized polypyrrole film decorated with Au nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 566-571. | 2.5 | 52 |
| 49 | Imidazolium or guanidinium/layered manganese (III, IV) oxide hybrid as a promising structural model for the water-oxidizing complex of Photosystem II for artificial photosynthetic systems. <i>Photosynthesis Research</i> , 2013, 117, 413-421. | 1.6 | 7 |
| 50 | Nano-size layered manganese-calcium oxide as an efficient and biomimetic catalyst for water oxidation under acidic conditions: comparable to platinum. <i>Dalton Transactions</i> , 2013, 42, 5085. | 1.6 | 50 |
| 51 | A 2-(2-hydroxyphenyl)-1H-benzimidazole-manganese oxide hybrid as a promising structural model for the tyrosine 161/histidine 190-manganese cluster in photosystem II. <i>Dalton Transactions</i> , 2013, 42, 879. | 1.6 | 46 |
| 52 | Green-synthesis of reduced graphene oxide nanosheets using rose water and a survey on their characteristics and applications. <i>RSC Advances</i> , 2013, 3, 13365. | 1.7 | 106 |
| 53 | A manganese oxide with phenol groups as a promising structural model for water oxidizing complex in Photosystem II: a "golden fish". <i>Dalton Transactions</i> , 2012, 41, 3906. | 1.6 | 57 |
| 54 | Direct electron transfer from glucose oxidase immobilized on a nano-porous glassy carbon electrode. <i>Electrochimica Acta</i> , 2011, 56, 10101-10106. | 2.6 | 27 |