

Hafsa Korri-Yousoufi

List of Publications by Year in descending order

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papers

2,466
citations

185998

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72
docs citations

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times ranked

2774
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#	ARTICLE	IF	CITATIONS
1	Toward Bioelectronics: Specific DNA Recognition Based on an Oligonucleotide-Functionalized Polypyrrole. <i>Journal of the American Chemical Society</i> , 1997, 119, 7388-7389.	6.6	339
2	Toward intelligent polymers: DNA sensors based on oligonucleotide-functionalized polypyrroles. <i>Synthetic Metals</i> , 1999, 100, 89-94.	2.1	136
3	E-DNA Sensor of <i>Mycobacterium tuberculosis</i> Based on Electrochemical Assembly of Nanomaterials (MWCNTs/PPy/PAMAM). <i>Analytical Chemistry</i> , 2015, 87, 9257-9264.	3.2	110
4	Series of Mn Complexes Based on N-Centered Ligands and Superoxide - Reactivity in an Anhydrous Medium and SOD-Like Activity in an Aqueous Medium Correlated to MnII/MnIII Redox Potentials. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3513-3523.	1.0	98
5	Electrochemical Aptasensor of Human Cellular Prion Based on Multiwalled Carbon Nanotubes Modified with Dendrimers: A Platform for Connecting Redox Markers and Aptamers. <i>Analytical Chemistry</i> , 2013, 85, 7704-7712.	3.2	89
6	Electrochemical impedance probing of DNA hybridisation on oligonucleotide-functionalised polypyrrole. <i>Talanta</i> , 2005, 68, 131-137.	2.9	87
7	Enzyme Recognition by Polypyrrole Functionalized with Bioactive Peptides. <i>Journal of the American Chemical Society</i> , 1994, 116, 8813-8814.	6.6	82
8	Electrochemical biosensing of DNA hybridization by ferrocenyl groups functionalized polypyrrole. <i>Analytica Chimica Acta</i> , 2002, 469, 85-92.	2.6	73
9	Direct detection of OTA by impedimetric aptasensor based on modified polypyrrole-dendrimers. <i>Analytica Chimica Acta</i> , 2016, 920, 37-46.	2.6	70
10	Electrochemical Biosensors for Detection of MicroRNA as a Cancer Biomarker: Pros and Cons. <i>Biosensors</i> , 2020, 10, 186.	2.3	68
11	A Novel and Simplified Procedure for Patterning Hydrophobic and Hydrophilic SAMs for Microfluidic Devices by Using UV Photolithography. <i>Langmuir</i> , 2006, 22, 8346-8352.	1.6	63
12	Imidazole and Imidazolate Iron Complexes: On the Way for Tuning 3D-Structural Characteristics and Reactivity. Redox Interconversions Controlled by Protonation State. <i>Inorganic Chemistry</i> , 2004, 43, 4178-4188.	1.9	59
13	Direct chemical functionalization of as-grown electroactive polypyrrole film containing leaving groups. <i>Synthetic Metals</i> , 1996, 83, 117-123.	2.1	56
14	Electrochemical aptasensor of cellular prion protein based on modified polypyrrole with redox dendrimers. <i>Biosensors and Bioelectronics</i> , 2014, 56, 104-111.	5.3	56
15	Direct electrochemical DNA biosensor based on reduced graphene oxide and metalloporphyrin nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 40-48.	4.0	51
16	Effect of electrical conditions on an impedimetric immunosensor based on a modified conducting polypyrrole. <i>Sensors and Actuators B: Chemical</i> , 2010, 144, 323-331.	4.0	50
17	Direct electrochemical detection of PB1-F2 protein of influenza A virus in infected cells. <i>Biosensors and Bioelectronics</i> , 2014, 59, 6-13.	5.3	44
18	Investigation of SPR and electrochemical detection of antigen with polypyrrole functionalized by biotinylated single-chain antibody: A review. <i>Analytica Chimica Acta</i> , 2010, 674, 1-8.	2.6	43

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19	Effect of the size of electrode on electrochemical properties of ferrocene-functionalized polypyrrole towards DNA sensing. <i>Talanta</i> , 2010, 81, 1250-1257.	2.9	41
20	Designing polypyrrole-based sensors: selective electrochemical cation in aza crown ethers. <i>Synthetic Metals</i> , 1994, 67, 251-254.	2.1	39
21	Electrochemical Detection of the Oligomerization of PB1-F2 Influenza A Virus Protein in Infected Cells. <i>Analytical Chemistry</i> , 2014, 86, 9098-9105.	3.2	38
22	Development of Gd(III) porphyrin-conjugated chitosan nanoparticles as contrast agents for magnetic resonance imaging. <i>Materials Science and Engineering C</i> , 2015, 52, 325-332.	3.8	35
23	E-DNA detection of rpoB gene resistance in <i>Mycobacterium tuberculosis</i> in real samples using Fe ₃ O ₄ /polypyrrole nanocomposite. <i>Biosensors and Bioelectronics</i> , 2019, 128, 76-82.	5.3	35
24	Binding kinetics of human cellular prion detection by DNA aptamers immobilized on a conducting polypyrrole. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2505-2514.	1.9	34
25	Impedimetric array in polymer microfluidic cartridge for low cost point-of-care diagnostics. <i>Biosensors and Bioelectronics</i> , 2019, 129, 147-154.	5.3	34
26	Electrochemical functionalization of polypyrrole through amine oxidation of poly(amidoamine) dendrimers: Application to DNA biosensor. <i>Talanta</i> , 2016, 154, 446-454.	2.9	32
27	E-DNA biosensors of <i>M. tuberculosis</i> based on nanostructured polypyrrole. <i>Materials Science and Engineering C</i> , 2020, 108, 110371.	3.8	32
28	Dispersible Conjugated Polymer Nanoparticles as Biointerface Materials for Label-Free Bacteria Detection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39979-39990.	4.0	31
29	Large area graphene nanomesh: an artificial platform for edge-electrochemical biosensing at the sub-attomolar level. <i>Nanoscale</i> , 2016, 8, 15479-15485.	2.8	28
30	Electrochemical sensing of trimethylamine based on polypyrrole- α -flavin-containing monooxygenase (FMO3) and ferrocene as redox probe for evaluation of fish freshness. <i>Biosensors and Bioelectronics</i> , 2011, 28, 105-111.	5.3	27
31	Characterization of yellow bacterial laccase <sc>SmLac</sc>/role of redox mediators in azo dye decolorization. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1741-1750.	1.6	26
32	Direct Electrochemical DNA Sensor based on a new redox oligomer modified with ferrocene and carboxylic acid: Application to the detection of <i>Mycobacterium tuberculosis</i> mutant strain. <i>Analytica Chimica Acta</i> , 2017, 994, 10-18.	2.6	26
33	Investigations of poly(p-phenylene) modified with ferrocene and their application in electrochemical DNA sensing. <i>Sensors and Actuators B: Chemical</i> , 2016, 226, 370-380.	4.0	24
34	New method of polypyrrole functionalization toward molecular recognition. <i>Synthetic Metals</i> , 1997, 84, 169-170.	2.1	23
35	Direct electrochemical probing of DNA hybridization on oligonucleotide-functionalized polypyrrole. <i>Materials Science and Engineering C</i> , 2008, 28, 848-854.	3.8	22
36	Direct E-DNA sensor of <i>Mycobacterium tuberculosis</i> mutant strain based on new nanocomposite transducer (Fc-ac-OMPA/MWCNTs). <i>Talanta</i> , 2018, 184, 475-483.	2.9	22

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37	Sensor based on redox conjugated poly(para-phenylene) for the simultaneous detection of dopamine, ascorbic acid, and uric acid in human serum sample. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4433-4446.	1.9	22
38	Polypyrrole functionalized with new copper complex as platform for His-tag antibody immobilization and direct antigen detection. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 762-770.	4.0	21
39	Carbohydrate-based electrochemical biosensor for detection of a cancer biomarker in human plasma. <i>Biosensors and Bioelectronics</i> , 2017, 96, 178-185.	5.3	21
40	Reviewâ€”Recent Progress in Graphene Based Modified Electrodes for Electrochemical Detection of Dopamine. <i>Chemosensors</i> , 2022, 10, 249.	1.8	17
41	Elaboration of a new hydrogen peroxide biosensor using microperoxidase 8 (MP8) immobilized on a polypyrrole coated electrode. <i>Materials Science and Engineering C</i> , 2008, 28, 855-860.	3.8	16
42	Multiwalled Carbon Nanotubes Modified by NTAâ€”Copper Complex for Labelâ€”Free Electrochemical Immunosensor Detection. <i>Electroanalysis</i> , 2013, 25, 636-643.	1.5	16
43	Kinetics of the electron transfer reaction of Cytochrome c 552 adsorbed on biomimetic electrode studied by time-resolved surface-enhanced resonance Raman spectroscopy and electrochemistry. <i>European Biophysics Journal</i> , 2007, 36, 1039-1048.	1.2	15
44	Direct monitoring of pollutants based on an electrochemical biosensor with novel peroxidase (POX1B). <i>Biosensors and Bioelectronics</i> , 2009, 24, 3084-3090.	5.3	15
45	Charge transfer and band gap opening of a ferrocene/graphene heterostructure. <i>Carbon</i> , 2019, 153, 557-564.	5.4	15
46	Structural and electrochemical studies of functionalization of reduced graphene oxide with alkoxyphenylporphyrin mono- and tetra- carboxylic acid: application to DNA sensors. <i>Electrochimica Acta</i> , 2020, 357, 136852.	2.6	15
47	Synthesis of 3-derivatized pyrroles precursors polymers for functionalization with biomolecules toward biosensor devices. <i>Materials Science and Engineering C</i> , 2001, 15, 265-268.	3.8	14
48	Nanocomposite Based on Poly (para-phenylene)/Chemical Reduced Graphene Oxide as a Platform for Simultaneous Detection of Ascorbic Acid, Dopamine and Uric Acid. <i>Sensors</i> , 2020, 20, 1256.	2.1	14
49	MoS ₂ /PPy Nanocomposite as a Transducer for Electrochemical Aptasensor of Ampicillin in River Water. <i>Biosensors</i> , 2021, 11, 311.	2.3	14
50	A new method for the immobilisation of antibodies in conducting polymers. <i>Materials Science and Engineering C</i> , 2001, 15, 307-310.	3.8	12
51	Electrochemical detection of the human cancer biomarker â€”autocrine motility factor-phosphoglucose isomeraseâ€” based on a biosensor formed with a monosaccharidic inhibitor. <i>Sensors and Actuators B: Chemical</i> , 2019, 299, 126933.	4.0	11
52	Effects of electrosynthesis and cycling conditions on the cation-doping of poly[3-(4-fluoro-benzyloxyethyl)-thiophene]. <i>Synthetic Metals</i> , 1991, 43, 2916.	2.1	10
53	Microperoxidase 8 adsorbed on a roughened silver electrode as a monomeric high-spin penta-coordinated species: characterization by SERR spectroscopy and electrochemistry. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 850-858.	1.1	10
54	A new method of immobilization of proteins on activated ester terminated alkanethiol monolayers towards the label free impedancemetric detection. <i>Materials Science and Engineering C</i> , 2008, 28, 861-868.	3.8	10

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55	Self-Assembled MoS ₂ /ssDNA Nanostructures for the Capacitive Aptasensing of Acetamiprid Insecticide. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1382.	1.3	10
56	Polymer-based technology platform for robust electrochemical sensing using gold microelectrodes. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 279-284.	4.0	9
57	Antimicrobial Activity of Cationic Poly(3-hexylthiophene) Nanoparticles Coupled with Dual Fluorescent and Electrochemical Sensing: Theragnostic Prospect. <i>Sensors</i> , 2021, 21, 1715.	2.1	9
58	Novel N-substituted 5-phosphate-d-arabinonamide derivatives as strong inhibitors of phosphoglucose isomerases: Synthesis, structure-activity relationship and crystallographic studies. <i>Bioorganic Chemistry</i> , 2020, 102, 104048.	2.0	6
59	Characterization of structure and activity of garlic peroxidase (POX1B). <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 157-172.	1.1	5
60	Functionalization of MWCNTs with Ferrocene- <i>poly(p-phenylene)</i> and Effect on Electrochemical Properties: Application as a Sensing Platform. <i>Electroanalysis</i> , 2016, 28, 2533-2542.	1.5	5
61	Electrochemical Detection of DNA Sequences Based on Metalloporphyrins-Polypyrrole Towards a Multi-Detection Analysis. <i>Sensor Letters</i> , 2008, 6, 570-576.	0.4	5
62	A Novel Urea Biosensor Based on Modified Electrodes with Urease Immobilized on Poly(N-hydroxyphthalimide-pyrrole-co-pyrrole) Film Incorporating Ethyl Amine Ferrocene as Redox Marker. <i>Sensor Letters</i> , 2009, 7, 731-738.	0.4	5
63	Streptavidin- <i>polypyrrole</i> Film as Platform for Biotinylated Redox Probe Immobilization for Electrochemical Immunosensor Application. <i>Electroanalysis</i> , 2016, 28, 1824-1832.	1.5	4
64	Carbon-Based Nanomaterials for Electrochemical DNA Sensing. , 2018, , 113-150.		4
65	A <i>proton-pump</i> -electrode based on poly(3-carboxymethylpyrrole). <i>Advanced Materials</i> , 1994, 6, 755-758.	11.1	3
66	Gadolinium Meso-Tetrakis(4-Pyridyl)Porphyrin as a MRI Contrast Agent: Comparison with Anionic and Cationic Metallo-Porphyrins. <i>Journal of Colloid Science and Biotechnology</i> , 2015, 4, 57-63.	0.2	3
67	Comparative Analysis of Cellular Prion Detection by Mass-Sensitive Immunosensors. <i>Electroanalysis</i> , 2014, 26, 1312-1319.	1.5	2
68	Electrochemical Biosensors for Food Security: Mycotoxins Detection. <i>Advanced Sciences and Technologies for Security Applications</i> , 2016, , 469-490.	0.4	2
69	Amplification of the Electrochemical Signal of an Olfactory Receptor Based Biosensor by in Situ Generated Gold Nanoparticles. <i>Procedia Engineering</i> , 2011, 25, 920-923.	1.2	1
70	Impedance-Probing of Mixed Amphiphile-Antibody Films Transferred onto Silver Electrodes. <i>Sensor Letters</i> , 2004, 2, 246-251.	0.4	1
71	Electrochemical DNA Biosensors for Bioterrorism Prevention. <i>Advanced Sciences and Technologies for Security Applications</i> , 2016, , 161-180.	0.4	1