# Reynaldo Villalonga

List of Publications by Year
in descending order



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|---|---|---|---|
| 180 papers | 6,323 citations | 53794 45 h-index | 98798 67 g-index |
| 184 all docs | 184 docs citations | 184 times ranked | 7306 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Supramolecular Enzymatic Labeling for Aptamer Switch-Based Electrochemical Biosensor. Biosensors, 2022, 12, 514. | 4.7 | 0 |
| 2 | Enhanced photoconversion efficiency of hybrid TiO2/nox-MWCNT/Si photoanode for water splitting in neutral medium. Materials Letters, 2021, 285, 129128. | 2.6 | 6 |
| 3 | Hybrid magnetic nanoparticles for electrochemical biosensors. , 2021, , 679-720. | | 1 |
| 4 | A glutathione disulfide-sensitive Janus nanomachine controlled by an enzymatic AND logic gate for smart delivery. Nanoscale, 2021, 13, 18616-18625. | 5.6 | 5 |
| 5 | Ultrafast Directional Janus Ptâ€“Mesoporous Silica Nanomotors for Smart Drug Delivery. ACS Nano, 2021, 15, 4467-4480. | 14.6 | 88 |
| 6 | Amperometric aptasensor with sandwich-type architecture for troponin I based on carboxyethylsilanetriol-modified graphene oxide coated electrodes. Biosensors and Bioelectronics, 2021, 183, 113203. | 10.1 | 28 |
| 7 | Sucrose-Responsive Intercommunicated Janus Nanoparticles Network. Nanomaterials, 2021, 11, 2492. | 4.1 | 6 |
| 8 | A chemical circular communication network at the nanoscale. Chemical Science, 2021, 12, 1551-1559. | 7.4 | 20 |
| 9 | Enzyme-controlled mesoporous nanosensor for the detection of living Saccharomyces cerevisiae. Sensors and Actuators B: Chemical, 2020, 303, 127197. | 7.8 | 8 |
| 10 | Electrochemical biosensors based on nucleic acid aptamers. Analytical and Bioanalytical Chemistry, 2020, 412, 55-72. | 3.7 | 120 |
| 11 | A 1-to-2 demultiplexer hybrid nanocarrier for cargo delivery and activation. Chemical Communications, 2020, 56, 9974-9977. | 4.1 | 2 |
| 12 | Amperometric aptasensor for carcinoembryonic antigen based on a reduced graphene oxide/gold nanoparticles modified electrode. Journal of Electroanalytical Chemistry, 2020, 877, 114511. | 3.8 | 20 |
| 13 | Nickel oxide nanoparticles-modified glassy carbon electrodes for non-enzymatic determination of total sugars in commercial beverages. Microchemical Journal, 2020, 159, 105538. | 4.5 | 4 |
| 14 | Dithioacetal-mechanized mesoporous nanosensor for Hg(II) determination. Microporous and Mesoporous Materials, 2020, 297, 110054. | 4.4 | 13 |
| 15 | An enzyme-controlled Janus nanomachine for on-command dual and sequential release. Chemical Communications, 2020, 56, 6440-6443. | 4.1 | 9 |
| 16 | An Interactive Model of Communication between Abiotic Nanodevices and Microorganisms. Angewandte Chemie - International Edition, 2019, 58, 14986-14990. | 13.8 | 40 |
| 17 | An Interactive Model of Communication between Abiotic Nanodevices and Microorganisms. Angewandte Chemie, 2019, 131, 15128-15132. | 2.0 | 4 |
| 18 | Glucose-Responsive Enzyme-Controlled Mesoporous Nanomachine with a Layer-by-Layer Supramolecular Architecture. ACS Applied Bio Materials, 2019, 2, 3321-3328. | 4.6 | 8 |

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|---|---|---|---|
| 19 | Electrochemical aptamer-based bioplatform for ultrasensitive detection of prostate specific antigen. Sensors and Actuators B: Chemical, 2019, 297, 126762. | 7.8 | 52 |
| 20 | Janus nanocarrier powered by bi-enzymatic cascade system for smart delivery. Journal of Materials Chemistry B, 2019, 7, 4669-4676. | 5.8 | 13 |
| 21 | Enzyme-Powered Gated Mesoporous Silica Nanomotors for On-Command Intracellular Payload Delivery. ACS Nano, 2019, 13, 12171-12183. | 14.6 | 121 |
| 22 | Avidin-gated mesoporous silica nanoparticles for signal amplification in electrochemical biosensor. Electrochemistry Communications, 2019, 108, 106556. | 4.7 | 20 |
| 23 | Janus Gold Nanostarsâ€"Mesoporous Silica Nanoparticles for NIRâ€Lightâ€Triggered Drug Delivery. Chemistry - A European Journal, 2019, 25, 8471-8478. | 3.3 | 30 |
| 24 | <scp>A l</scp>-glutamate-responsive delivery system based on enzyme-controlled self-immolative arylboronate-gated nanoparticles. Organic Chemistry Frontiers, 2019, 6, 1058-1063. | 4.5 | 6 |
| 25 | Amperometric aptasensor for carcinoembryonic antigen based on the use of bifunctionalized Janus nanoparticles as biorecognition-signaling element. Analytica Chimica Acta, 2019, 1061, 84-91. | 5.4 | 51 |
| 26 | Stimulus-responsive nanomotors based on gated enzyme-powered Janus Auâ€"mesoporous silica nanoparticles for enhanced cargo delivery. Chemical Communications, 2019, 55, 13164-13167. | 4.1 | 46 |
| 27 | Dendrimers as Soft Nanomaterials for Electrochemical Immunosensors. Nanomaterials, 2019, 9, 1745. | 4.1 | 35 |
| 28 | Vapor sensing and interface properties of reduced graphene oxideâ€"poly(methyl methacrylate) nanocomposite. Journal of Materials Science: Materials in Electronics, 2019, 30, 2908-2919. | 2.2 | 7 |
| 29 | Disposable electrochemical biosensors for Brettanomyces bruxellensis and total yeast content in wine based on core-shell magnetic nanoparticles. Sensors and Actuators B: Chemical, 2019, 279, 15-21. | 7.8 | 38 |
| 30 | A Versatile New Paradigm for the Design of Optical Nanosensors Based on Enzymeâ€Mediated Detachment of Labeled Reporters: The Example of Urea Detection. Chemistry - A European Journal, 2019, 25, 3575-3581. | 3.3 | 11 |
| 31 | Functionalized carbon nanotubes decorated with fluorine-doped titanium dioxide nanoparticles on silicon substrate as template for titanium dioxide film photo-anode grown by chemical vapour deposition. Thin Solid Films, 2018, 656, 30-36. | 1.8 | 6 |
| 32 | Electrochemical biointerfaces based on carbon nanotubes-mesoporous silica hybrid material: Bioelectrocatalysis of hemoglobin and biosensing applications. Biosensors and Bioelectronics, 2018, 111, 144-151. | 10.1 | 47 |
| 33 | Toward chemical communication between nanodevices. Nano Today, 2018, 18, 8-11. | 11.9 | 15 |
| 34 | Label-free electrochemical aptasensing platform based on mesoporous silica thin film for the detection of prostate specific antigen. Sensors and Actuators B: Chemical, 2018, 255, 309-315. | 7.8 | 78 |
| 35 | Disposable amperometric immunosensor for Saccharomyces cerevisiae based on carboxylated graphene oxide-modified electrodes. Analytical and Bioanalytical Chemistry, 2018, 410, 7901-7907. | 3.7 | 15 |
| 36 | Hybrid Mesoporous Nanocarriers Act by Processing Logic Tasks: Toward the Design of Nanobots Capable of Reading Information from the Environment. ACS Applied Materials & Interfaces, 2018, 10, 26494-26500. | 8.0 | 19 |

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| 37 | Hybrid Decorated Core@Shell Janus Nanoparticles as a Flexible Platform for Targeted Multimodal Molecular Bioimaging of Cancer. ACS Applied Materials & Interfaces, 2018, 10, 31032-31043. | 8.0 | 61 |
| 38 | Reduced graphene oxideâ€"poly(methyl methacrylate) nanocomposite as a supercapacitor. Journal of Applied Polymer Science, 2018, 135, 46685. | 2.6 | 5 |
| 39 | Decoration of reduced graphene oxide with rhodium nanoparticles for the design of a sensitive electrochemical enzyme biosensor for 17Î²-estradiol. Biosensors and Bioelectronics, 2017, 89, 343-351. | 10.1 | 72 |
| 40 | Enzymeâ€Controlled Nanodevice for Acetylcholineâ€Triggered Cargo Delivery Based on Janus Auâ€"Mesoporous Silica Nanoparticles. Chemistry - A European Journal, 2017, 23, 4276-4281. | 3.3 | 27 |
| 41 | Interactive models of communication at the nanoscale using nanoparticles that talk to one another. Nature Communications, 2017, 8, 15511. | 12.8 | 96 |
| 42 | Biomedical nanomotors: efficient glucose-mediated insulin release. Nanoscale, 2017, 9, 14307-14311. | 5.6 | 49 |
| 43 | Disposable electrochemical immunosensor for Brettanomyces bruxellensis based on nanogold-reduced graphene oxide hybrid nanomaterial. Analytical and Bioanalytical Chemistry, 2017, 409, 5667-5674. | 3.7 | 19 |
| 44 | Auâ€"Mesoporous silica nanoparticles gated with disulfide-linked oligo(ethylene glycol) chains for tunable cargo delivery mediated by an integrated enzymatic control unit. Journal of Materials Chemistry B, 2017, 5, 6734-6739. | 5.8 | 17 |
| 45 | Selfâ€Regulated Glucoseâ€Sensitive Neoglycoenzymeâ€Capped Mesoporous Silica Nanoparticles for Insulin Delivery. Chemistry - A European Journal, 2017, 23, 1353-1360. | 3.3 | 55 |
| 46 | Amperometric xanthine biosensors using glassy carbon electrodes modified with electrografted porous silica nanomaterials loaded with xanthine oxidase. Mikrochimica Acta, 2016, 183, 2023-2030. | 5.0 | 9 |
| 47 | Label-free electrochemical genosensor based on mesoporous silica thin film. Analytical and Bioanalytical Chemistry, 2016, 408, 7321-7327. | 3.7 | 25 |
| 48 | Novel reduced graphene oxideâ€"glycol chitosan nanohybrid for the assembly of an amperometric enzyme biosensor for phenols. Analyst, The, 2016, 141, 4162-4169. | 3.5 | 30 |
| 49 | Gold nanoparticles-decorated silver-bipyridine nanobelts for the construction of mediatorless hydrogen peroxide biosensor. Journal of Colloid and Interface Science, 2016, 482, 105-111. | 9.4 | 18 |
| 50 | Gold nanoparticles/silver-bipyridine hybrid nanobelts with tuned peroxidase-like activity. RSC Advances, 2016, 6, 74957-74960. | 3.6 | 11 |
| 51 | Estrogen receptor Î± determination in serum, cell lysates and breast cancer cells using an amperometric magnetoimmunosensing platform. Sensing and Bio-Sensing Research, 2016, 7, 71-76. | 4.2 | 30 |
| 52 | Inactivation of immobilized trypsin under dissimilar conditions produces trypsin molecules with different structures. RSC Advances, 2016, 6, 27329-27334. | 3.6 | 139 |
| 53 | Reduced graphene oxide-carboxymethylcellulose layered with platinum nanoparticles/PAMAM dendrimer/magnetic nanoparticles hybrids. Application to the preparation of enzyme electrochemical biosensors. Sensors and Actuators B: Chemical, 2016, 232, 84-90. | 7.8 | 74 |
| 54 | Neoglycoenzyme-Gated Mesoporous Silica Nanoparticles: Toward the Design of Nanodevices for Pulsatile Programmed Sequential Delivery. ACS Applied Materials & Interfaces, 2016, 8, 7657-7665. | 8.0 | 26 |

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| 55 | Direct Electron Transfer between a Site-Specific Pyrene-Modified Laccase and Carbon Nanotube/Gold Nanoparticle Supramolecular Assemblies for Bioelectrocatalytic Dioxygen Reduction. ACS Catalysis, 2016, 6, 1894-1900. | 11.2 | 89 |
| 56 | An electrochemical immunosensor for adiponectin using reduced graphene oxideâ€“carboxymethylcellulose hybrid as electrode scaffold. Sensors and Actuators B: Chemical, 2016, 223, 89-94. | 7.8 | 25 |
| 57 | Singleâ€Walled Carbon Nanotubes/Auâ€“Mesoporous Silica Janus Nanoparticles as Building Blocks for the Preparation of a Bienzyme Biosensor. ChemElectroChem, 2015, 2, 1735-1741. | 3.4 | 26 |
| 58 | A Layerâ€byâ€Layer Biosensing Architecture Based on Polyamidoamine Dendrimer and Carboxymethylcelluloseâ€Modified Graphene Oxide. Electroanalysis, 2015, 27, 2131-2138. | 2.9 | 20 |
| 59 | First Occurrence of Tetrazines in Aqueous Solution: Electrochemistry and Fluorescence. ChemPhysChem, 2015, 16, 3695-3699. | 2.1 | 13 |
| 60 | Decorating graphene oxide/nanogold with dextran-based polymer brushes for the construction of ultrasensitive electrochemical enzyme biosensors. Journal of Materials Chemistry B, 2015, 3, 3518-3524. | 5.8 | 37 |
| 61 | Reduced graphene oxide-Sb2O5 hybrid nanomaterial for the design of a laccase-based amperometric biosensor for estriol. Electrochimica Acta, 2015, 174, 332-339. | 5.2 | 54 |
| 62 | Advanced Materials in Electroanalysis. Electroanalysis, 2015, 27, 2018-2018. | 2.9 | 1 |
| 63 | Dual Functional Graphene Derivative-Based Electrochemical Platforms for Detection of the <i>TP53</i> Gene with Single Nucleotide Polymorphism Selectivity in Biological Samples. Analytical Chemistry, 2015, 87, 2290-2298. | 6.5 | 76 |
| 64 | Impact of supramolecular interactions of dextranâ€Î²â€cyclodextrin polymers on invertase activity in freezeâ€dried systems. Biotechnology Progress, 2015, 31, 791-798. | 2.6 | 3 |
| 65 | Rapid Legionella pneumophila determination based on a disposable coreâ€“shell Fe 3 O 4 @poly(dopamine) magnetic nanoparticles immunoplatform. Analytica Chimica Acta, 2015, 887, 51-58. | 5.4 | 61 |
| 66 | Mesoporous silica thin film mechanized with a DNAzyme-based molecular switch for electrochemical biosensing. Electrochemistry Communications, 2015, 58, 57-61. | 4.7 | 32 |
| 67 | Versatility of divinylsulfone supports permits the tuning of CALB properties during its immobilization. RSC Advances, 2015, 5, 35801-35810. | 3.6 | 70 |
| 68 | Functionalization of bamboo-like carbon nanotubes with 3-mercaptophenylboronic acid-modified gold nanoparticles for the development of a hybrid glucose enzyme electrochemical biosensor. Sensors and Actuators B: Chemical, 2015, 216, 629-637. | 7.8 | 32 |
| 69 | Amperometric magnetoimmunosensor for ErbB2 breast cancer biomarker determination in human serum, cell lysates and intact breast cancer cells. Biosensors and Bioelectronics, 2015, 70, 34-41. | 10.1 | 52 |
| 70 | Electrocatalytic oxidation enhancement at the surface of InGaN films and nanostructures grown directly on Si(111). Electrochemistry Communications, 2015, 60, 158-162. | 4.7 | 9 |
| 71 | Amperometric magnetobiosensors using poly(dopamine)-modified Fe<sub>3</sub>O<sub>4</sub> magnetic nanoparticles for the detection of phenolic compounds. Analytical Methods, 2015, 7, 8801-8808. | 2.7 | 21 |
| 72 | Grapheneâ€“polyamidoamine dendrimerâ€“Pt nanoparticles hybrid nanomaterial for the preparation of mediatorless enzyme biosensor. Journal of Electroanalytical Chemistry, 2014, 717-718, 96-102. | 3.8 | 45 |

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| 73 | Biosensors in forensic analysis. A review. Analytica Chimica Acta, 2014, 823, 1-19. | 5.4 | 69 |
| 74 | Preparation of coreâ€“shell Fe<sub>3</sub>O<sub>4</sub>@poly(dopamine) magnetic nanoparticles for biosensor construction. Journal of Materials Chemistry B, 2014, 2, 739-746. | 5.8 | 197 |
| 75 | Neoglycoenzymes. Chemical Reviews, 2014, 114, 4868-4917. | 47.7 | 19 |
| 76 | Nanochannel-based electrochemical assay for transglutaminase activity. Chemical Communications, 2014, 50, 13356-13358. | 4.1 | 27 |
| 77 | Waterâ€Soluble Reduced Graphene Oxideâ€“Carboxymethylcellulose Hybrid Nanomaterial for Electrochemical Biosensor Design. ChemPlusChem, 2014, 79, 1334-1341. | 2.8 | 23 |
| 78 | Biotinâ€Labeled Electropolymerized Network of Gold Nanoparticles for Amperometric Immunodetection of Human Fibrinogen. ChemElectroChem, 2014, 1, 200-206. | 3.4 | 2 |
| 79 | Gold surface patterned with cyclodextrin-based molecular nanopores for electrochemical assay of transglutaminase activity. Electrochemistry Communications, 2014, 40, 13-16. | 4.7 | 2 |
| 80 | Toward the Design of Smart Delivery Systems Controlled by Integrated Enzyme-Based Biocomputing Ensembles. Journal of the American Chemical Society, 2014, 136, 9116-9123. | 13.7 | 100 |
| 81 | Amperometric magnetoimmunoassay for the direct detection of tumor necrosis factor alpha biomarker in human serum. Analytica Chimica Acta, 2014, 838, 37-44. | 5.4 | 50 |
| 82 | Seed-mediated growth of jack-shaped gold nanoparticles from cyclodextrin-coated gold nanospheres. Dalton Transactions, 2013, 42, 14309. | 3.3 | 12 |
| 83 | Janus Au-mesoporous silica nanoparticles as electrochemical biorecognition-signaling system. Electrochemistry Communications, 2013, 30, 51-54. | 4.7 | 38 |
| 84 | Supramolecular immobilization of glucose oxidase on gold coated with cyclodextrin-modified cysteamine core PAMAM G-4 dendron/Pt nanoparticles for mediatorless biosensor design. Analytical and Bioanalytical Chemistry, 2013, 405, 3773-3781. | 3.7 | 23 |
| 85 | Polyethylene glycolâ€based low generation dendrimers functionalized with <i>Î²</i>â€cyclodextrin as cryoâ€• and dehydroâ€protectant of catalase formulations. Biotechnology Progress, 2013, 29, 786-795. | 2.6 | 6 |
| 86 | Glucose-triggered release using enzyme-gated mesoporous silica nanoparticles. Chemical Communications, 2013, 49, 6391. | 4.1 | 95 |
| 87 | Enzymeâ€Controlled Sensingâ€“Actuating Nanomachine Based on Janus Auâ€“Mesoporous Silica Nanoparticles. Chemistry - A European Journal, 2013, 19, 7889-7894. | 3.3 | 59 |
| 88 | Crumpled reduced graphene oxideâ€“polyamidoamine dendrimer hybrid nanoparticles for the preparation of an electrochemical biosensor. Journal of Materials Chemistry B, 2013, 1, 2289. | 5.8 | 37 |
| 89 | Effect of Transglutaminase on the Mechanical and Barrier Properties of Whey Protein/Pectin Films Prepared at Complexation pH. Journal of Agricultural and Food Chemistry, 2013, 61, 4593-4598. | 5.2 | 39 |
| 90 | Supramolecular Immobilization of Xanthine Oxidase on Electropolymerized Matrix of Functionalized Hybrid Gold Nanoparticles/Single-Walled Carbon Nanotubes for the Preparation of Electrochemical Biosensors. ACS Applied Materials & Interfaces, 2012, 4, 4312-4319. | 8.0 | 58 |

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| 91 | Supramolecular immobilization of redox enzymes on cyclodextrin-coated magnetic nanoparticles for biosensing applications. Journal of Colloid and Interface Science, 2012, 386, 181-188. | 9.4 | 32 |
| 92 | Electropolymerized network of polyamidoamine dendron-coated gold nanoparticles as novel nanostructured electrode surface for biosensor construction. Analyst, The, 2012, 137, 342-348. | 3.5 | 31 |
| 93 | Partial purification and properties of cyclodextrin glycosiltransferase (CGTase) from alkalophilic Bacillus species. SpringerPlus, 2012, 1, 61. | 1.2 | 19 |
| 94 | Layer-by-layer supramolecular architecture of cyclodextrin-modified PAMAM dendrimers and adamantane-modified peroxidase on gold surface for electrochemical biosensing. Electrochimica Acta, 2012, 76, 249-255. | 5.2 | 12 |
| 95 | Ultrasensitive detection of adrenocorticotropin hormone (ACTH) using disposable phenylboronic-modified electrochemical immunosensors. Biosensors and Bioelectronics, 2012, 35, 82-86. | 10.1 | 65 |
| 96 | Gold Nanoparticles Enhancing Dismutation of Superoxide Radical by Its Bis(dithiocarbamato)copper(II) Shell. Inorganic Chemistry, 2011, 50, 4705-4712. | 4.0 | 10 |
| 97 | Gold nanoparticles: Poly(diallyldimethylammonium chloride)â€"carbon nanotubes composites as platforms for the preparation of electrochemical enzyme biosensors: Application to the determination of cholesterol. Journal of Electroanalytical Chemistry, 2011, 661, 171-178. | 3.8 | 35 |
| 98 | Designing Electrochemical Interfaces with Functionalized Magnetic Nanoparticles and Wrapped Carbon Nanotubes as Platforms for the Construction of High-Performance Bienzyme Biosensors. Analytical Chemistry, 2011, 83, 7807-7814. | 6.5 | 60 |
| 99 | Decorating carbon nanotubes with polyethylene glycol-coated magnetic nanoparticles for implementing highly sensitive enzyme biosensors. Journal of Materials Chemistry, 2011, 21, 12858. | 6.7 | 44 |
| 100 | Immobilization of Xanthine Oxidase on Carbon Nanotubes Through Double Supramolecular Junctions for Biosensor Construction. Electroanalysis, 2011, 23, 1790-1796. | 2.9 | 8 |
| 101 | Pyrene-adamantane-Î²-cyclodextrin: An efficient hostâ€"guest system for the biofunctionalization of SWCNT electrodes. Carbon, 2011, 49, 2571-2578. | 10.3 | 42 |
| 102 | Î²-Cyclodextrin modifications as related to enzyme stability in dehydrated systems: Supramolecular transitions and molecular interactions. Carbohydrate Polymers, 2011, 83, 203-209. | 10.2 | 18 |
| 103 | Wiring horseradish peroxidase on gold nanoparticles-based nanostructured polymeric network for the construction of mediatorless hydrogen peroxide biosensor. Electrochimica Acta, 2011, 56, 4672-4677. | 5.2 | 59 |
| 104 | Putrescineâ€"polysaccharide conjugates as transglutaminase substrates and their possible use in producing crosslinked films. Amino Acids, 2010, 38, 669-675. | 2.7 | 17 |
| 105 | A copper(II) thiosemicarbazone complex built on gold for the immobilization of lipase and laccase. Journal of Colloid and Interface Science, 2010, 348, 96-100. | 9.4 | 11 |
| 106 | Isolation and characterisation of pectic substances from murta (Ugni molinae Turcz) fruits. Food Chemistry, 2010, 123, 669-678. | 8.2 | 76 |
| 107 | Preparation of thermostable trypsinâ€"polysaccharide neoglycoenzymes through Ugi multicomponent reaction. Journal of Molecular Catalysis B: Enzymatic, 2009, 59, 126-130. | 1.8 | 20 |
| 108 | Novel enzyme biosensor for hydrogen peroxide via supramolecular associations. Biosensors and Bioelectronics, 2009, 24, 2028-2033. | 10.1 | 32 |

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| 109 | Polyelectrostatic immobilization of gold nanoparticles-modified peroxidase on alginate-coated gold electrode for mediatorless biosensor construction. Journal of Electroanalytical Chemistry, 2009, 629, 126-132. | 3.8 | 30 |
| 110 | Adamantane/Î²-cyclodextrin affinity biosensors based on single-walled carbon nanotubes. Biosensors and Bioelectronics, 2009, 24, 1128-1134. | 10.1 | 88 |
| 111 | Antioxidative properties of copper(II) complexes. Journal of Coordination Chemistry, 2009, 62, 100-107. | 2.2 | 22 |
| 112 | Covalent immobilization of phenylalanine dehydrogenase on cellulose membrane for biosensor construction. Sensors and Actuators B: Chemical, 2008, 129, 195-199. | 7.8 | 38 |
| 113 | IMMOBILIZATION OF INVERTASEâ€"CHITOSAN CONJUGATE ON HYALURONIC-ACID-MODIFIED CHITIN. Journal of Food Biochemistry, 2008, 32, 264-277. | 2.9 | 15 |
| 114 | Structure/Function Relationships of Several Biopolymers as Related to Invertase Stability in Dehydrated Systems. Biomacromolecules, 2008, 9, 741-747. | 5.4 | 21 |
| 115 | Hydrogen Peroxide Biosensor with a Supramolecular Layer-by-Layer Design. Langmuir, 2008, 24, 7654-7657. | 3.5 | 39 |
| 116 | Solubilization and Stabilization of Sodium Dicloxacillin by Cyclodextrin Inclusion. Current Drug Discovery Technologies, 2008, 5, 140-145. | 1.2 | 11 |
| 117 | Supramolecular Chemistry of Cyclodextrins in Enzyme Technology. Chemical Reviews, 2007, 107, 3088-3116. | 47.7 | 354 |
| 118 | Amperometric biosensor for xanthine with supramolecular architecture. Chemical Communications, 2007, , 942-944. | 4.1 | 42 |
| 119 | Amperometric Biosensor for Hydrogen Peroxide, Using Supramolecularly Immobilized Horseradish Peroxidase on the Î²â€Cyclodextrinâ€Coated Gold Electrode. Electroanalysis, 2007, 19, 2538-2542. | 2.9 | 67 |
| 120 | Bienzymatic Supramolecular Complex of Catalase Modified with Cyclodextrin-Branched Carboxymethylcellulose and Superoxide Dismutase: Stability and Anti-Inflammatory Properties. Macromolecular Bioscience, 2007, 7, 70-75. | 4.1 | 16 |
| 121 | Ferrocene Branched Chitosan for the Construction of a Reagentless Amperometric Hydrogen Peroxide Biosensor. Macromolecular Bioscience, 2007, 7, 435-439. | 4.1 | 47 |
| 122 | Transglutaminase-catalyzed preparation of chitosanâ€"ovalbumin films. Enzyme and Microbial Technology, 2007, 40, 437-441. | 3.2 | 63 |
| 123 | Construction of an amperometric biosensor for xanthine via supramolecular associations. Electrochemistry Communications, 2007, 9, 454-458. | 4.7 | 47 |
| 124 | Amperometric enzyme biosensor for hydrogen peroxide via Ugi multicomponent reaction. Electrochemistry Communications, 2007, 9, 1655-1660. | 4.7 | 34 |
| 125 | Lipase fraction from the viscera of grey mullet (Mugil cephalus). Enzyme and Microbial Technology, 2007, 40, 394-402. | 3.2 | 60 |
| 126 | Glycosidation of phenylalanine dehydrogenase with O-carboxymethyl-poly-Î²-cyclodextrin. Enzyme and Microbial Technology, 2007, 40, 471-475. | 3.2 | 9 |

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| 127 | International conference on enzyme technology â€œRELATENZâ€™2005â€• Enzyme and Microbial Technology, 2007, 40, 381. | 3.2 | 2 |
| 128 | Preparation of Î²-Cyclodextrin-Dextran Polymers and their Use as Supramolecular Carrier Systems for Naproxen. Polymer Bulletin, 2007, 59, 597-605. | 3.3 | 16 |
| 129 | Supramolecular-mediated immobilization of l-phenylalanine dehydrogenase on cyclodextrin-coated Au electrodes for biosensor applications. Biotechnology Letters, 2007, 29, 447-452. | 2.2 | 25 |
| 130 | Transglutaminase-catalyzed site-specific glycosidation of catalase with aminated dextran. Journal of Biotechnology, 2006, 122, 326-333. | 3.8 | 34 |
| 131 | Chitosanâ^'Whey Protein Edible Films Produced in the Absence or Presence of Transglutaminase:Â Analysis of Their Mechanical and Barrier Properties. Biomacromolecules, 2006, 7, 744-749. | 5.4 | 151 |
| 132 | Immobilizing Cu,Zn-superoxide dismutase in hydrogels of carboxymethylcellulose improves its stability and wound healing properties. Biochemistry (Moscow), 2006, 71, 1324-1328. | 1.5 | 21 |
| 133 | Immobilization of chitosan-modified invertase on alginate-coated chitin support via polyelectrolyte complex formation. Enzyme and Microbial Technology, 2006, 38, 22-27. | 3.2 | 46 |
| 134 | Supramolecular-mediated thermostabilization of phenylalanine dehydrogenase modified with Î²-cyclodextrin derivatives. Biochemical Engineering Journal, 2006, 30, 26-32. | 3.6 | 21 |
| 135 | Glycosidation of trypsin with end-group activated dextran. Process Biochemistry, 2006, 41, 1155-1159. | 3.7 | 5 |
| 136 | Improved pharmacological properties for superoxide dismutase modified with mannan. Biotechnology and Applied Biochemistry, 2006, 44, 159. | 3.1 | 6 |
| 137 | Transglutaminase-catalysed glycosidation of trypsin with aminated polysaccharides. World Journal of Microbiology and Biotechnology, 2006, 22, 595-602. | 3.6 | 12 |
| 138 | Anti-inflammatory properties of superoxide dismutase modified with carboxymetil-cellulose polymer and hydrogel. Journal of Materials Science: Materials in Medicine, 2006, 17, 427-435. | 3.6 | 9 |
| 139 | Polyelectrolyte complex formation mediated immobilization of chitosan-invertase neoglycoconjugate on pectin-coated chitin. Bioprocess and Biosystems Engineering, 2006, 28, 387-395. | 3.4 | 30 |
| 140 | Improved pharmacological properties for superoxide dismutase modified with Î²-cyclodextrinâ€"carboxymethylcellulose polymer. Biotechnology Letters, 2006, 28, 1465-1470. | 2.2 | 6 |
| 141 | Cyclodextrin-grafted polysaccharides as supramolecular carrier systems for naproxen. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 1499-1501. | 2.2 | 33 |
| 142 | Improved pharmacokinetics and stability properties of catalase by chemical glycosidation with end-group activated dextran. Journal of Applied Polymer Science, 2006, 102, 4573-4576. | 2.6 | 5 |
| 143 | Pharmacokinetics and Stability Properties of Catalase Modified with Water-Soluble Polysaccharides. Archiv Der Pharmazie, 2006, 339, 372-377. | 4.1 | 1 |
| 144 | Improved Anti-Inflammatory Properties for Naproxen with Cyclodextrin-Grafted Polysaccharides. Macromolecular Bioscience, 2006, 6, 555-561. | 4.1 | 22 |

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| 145 | Immobilization of Chitosanâ€Invertase Neoglycoconjugate on Carboxymethylcelluloseâ€Modified Chitin. Preparative Biochemistry and Biotechnology, 2006, 36, 259-271. | 1.9 | 12 |
| 146 | Stabilization of Î±-chymotrypsin by chemical modification with monoamine cyclodextrin. Process Biochemistry, 2005, 40, 2091-2094. | 3.7 | 17 |
| 147 | Chemical glycosidation of trypsin with <i>O</i>â€carboxymethylâ€polyâ€Î²â€cyclodextrin: catalytic and stability properties. Biotechnology and Applied Biochemistry, 2005, 41, 217-223. | 3.1 | 19 |
| 148 | Thermal stabilization of trypsin with glycol chitosan. Journal of Molecular Catalysis B: Enzymatic, 2005, 34, 14-17. | 1.8 | 21 |
| 149 | Supramolecular assembly of Î²-cyclodextrin-modified gold nanoparticles and Cu, Zn-superoxide dismutase on catalase. Journal of Molecular Catalysis B: Enzymatic, 2005, 35, 79-85. | 1.8 | 41 |
| 150 | Improved Anti-Inflammatory and Pharmacokinetic Properties for Superoxide Dismutase by Chemical Glycosidation with Carboxymethylchitin. Macromolecular Bioscience, 2005, 5, 118-123. | 4.1 | 22 |
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