

Reynaldo Villalonga

List of Publications by Year in descending order

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Version: 2024-02-01

180
papers

6,323
citations

53660

45
h-index

98622

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. <i>Biosensors</i> , 2022, 12, 514.	2.3	0
2	Enhanced photoconversion efficiency of hybrid TiO ₂ /nox-MWCNT/Si photoanode for water splitting in neutral medium. <i>Materials Letters</i> , 2021, 285, 129128.	1.3	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. <i>Nanoscale</i> , 2021, 13, 18616-18625.	2.8	5
5	Ultrafast Directional Janus Pt@Mesoporous Silica Nanomotors for Smart Drug Delivery. <i>ACS Nano</i> , 2021, 15, 4467-4480.	7.3	88
6	Amperometric aptasensor with sandwich-type architecture for troponin I based on carboxyethylsilanetriol-modified graphene oxide coated electrodes. <i>Biosensors and Bioelectronics</i> , 2021, 183, 113203.	5.3	28
7	Sucrose-Responsive Intercommunicated Janus Nanoparticles Network. <i>Nanomaterials</i> , 2021, 11, 2492.	1.9	6
8	A chemical circular communication network at the nanoscale. <i>Chemical Science</i> , 2021, 12, 1551-1559.	3.7	20
9	Enzyme-controlled mesoporous nanosensor for the detection of living <i>Saccharomyces cerevisiae</i> . <i>Sensors and Actuators B: Chemical</i> , 2020, 303, 127197.	4.0	8
10	Electrochemical biosensors based on nucleic acid aptamers. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 55-72.	1.9	120
11	A 1-to-2 demultiplexer hybrid nanocarrier for cargo delivery and activation. <i>Chemical Communications</i> , 2020, 56, 9974-9977.	2.2	2
12	Amperometric aptasensor for carcinoembryonic antigen based on a reduced graphene oxide/gold nanoparticles modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114511.	1.9	20
13	Nickel oxide nanoparticles-modified glassy carbon electrodes for non-enzymatic determination of total sugars in commercial beverages. <i>Microchemical Journal</i> , 2020, 159, 105538.	2.3	4
14	Dithioacetal-mechanized mesoporous nanosensor for Hg(II) determination. <i>Microporous and Mesoporous Materials</i> , 2020, 297, 110054.	2.2	13
15	An enzyme-controlled Janus nanomachine for on-command dual and sequential release. <i>Chemical Communications</i> , 2020, 56, 6440-6443.	2.2	9
16	An Interactive Model of Communication between Abiotic Nanodevices and Microorganisms. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14986-14990.	7.2	40
17	An Interactive Model of Communication between Abiotic Nanodevices and Microorganisms. <i>Angewandte Chemie</i> , 2019, 131, 15128-15132.	1.6	4
18	Glucose-Responsive Enzyme-Controlled Mesoporous Nanomachine with a Layer-by-Layer Supramolecular Architecture. <i>ACS Applied Bio Materials</i> , 2019, 2, 3321-3328.	2.3	8

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19	Electrochemical aptamer-based bioplatfrom for ultrasensitive detection of prostate specific antigen. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126762.	4.0	52
20	Janus nanocarrier powered by bi-enzymatic cascade system for smart delivery. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4669-4676.	2.9	13
21	Enzyme-Powered Gated Mesoporous Silica Nanomotors for On-Command Intracellular Payload Delivery. <i>ACS Nano</i> , 2019, 13, 12171-12183.	7.3	121
22	Avidin-gated mesoporous silica nanoparticles for signal amplification in electrochemical biosensor. <i>Electrochemistry Communications</i> , 2019, 108, 106556.	2.3	20
23	Janus Gold Nanostarsâ€“Mesoporous Silica Nanoparticles for NIRâ€“Lightâ€“Triggered Drug Delivery. <i>Chemistry - A European Journal</i> , 2019, 25, 8471-8478.	1.7	30
24	<scp>A </scp>-glutamate-responsive delivery system based on enzyme-controlled self-immolative arylboronate-gated nanoparticles. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1058-1063.	2.3	6
25	Amperometric aptasensor for carcinoembryonic antigen based on the use of bifunctionalized Janus nanoparticles as biorecognition-signaling element. <i>Analytica Chimica Acta</i> , 2019, 1061, 84-91.	2.6	51
26	Stimulus-responsive nanomotors based on gated enzyme-powered Janus Auâ€“mesoporous silica nanoparticles for enhanced cargo delivery. <i>Chemical Communications</i> , 2019, 55, 13164-13167.	2.2	46
27	Dendrimers as Soft Nanomaterials for Electrochemical Immunosensors. <i>Nanomaterials</i> , 2019, 9, 1745.	1.9	35
28	Vapor sensing and interface properties of reduced graphene oxideâ€“poly(methyl methacrylate) nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 2908-2919.	1.1	7
29	Disposable electrochemical biosensors for <i>Brettanomyces bruxellensis</i> and total yeast content in wine based on core-shell magnetic nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 15-21.	4.0	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. <i>Chemistry - A European Journal</i> , 2019, 25, 3575-3581.	1.7	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. <i>Thin Solid Films</i> , 2018, 656, 30-36.	0.8	6
32	Electrochemical biointerfaces based on carbon nanotubes-mesoporous silica hybrid material: Bioelectrocatalysis of hemoglobin and biosensing applications. <i>Biosensors and Bioelectronics</i> , 2018, 111, 144-151.	5.3	47
33	Toward chemical communication between nanodevices. <i>Nano Today</i> , 2018, 18, 8-11.	6.2	15
34	Label-free electrochemical aptasensing platform based on mesoporous silica thin film for the detection of prostate specific antigen. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 309-315.	4.0	78
35	Disposable amperometric immunosensor for <i>Saccharomyces cerevisiae</i> based on carboxylated graphene oxide-modified electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7901-7907.	1.9	15
36	Hybrid Mesoporous Nanocarriers Act by Processing Logic Tasks: Toward the Design of Nanobots Capable of Reading Information from the Environment. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26494-26500.	4.0	19

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37	Hybrid Decorated Core@Shell Janus Nanoparticles as a Flexible Platform for Targeted Multimodal Molecular Bioimaging of Cancer. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31032-31043.	4.0	61
38	Reduced graphene oxide-poly(methyl methacrylate) nanocomposite as a supercapacitor. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46685.	1.3	5
39	Decoration of reduced graphene oxide with rhodium nanoparticles for the design of a sensitive electrochemical enzyme biosensor for 17 β -estradiol. <i>Biosensors and Bioelectronics</i> , 2017, 89, 343-351.	5.3	72
40	Enzyme-Controlled Nanodevice for Acetylcholine-Triggered Cargo Delivery Based on Janus Au-Mesoporous Silica Nanoparticles. <i>Chemistry - A European Journal</i> , 2017, 23, 4276-4281.	1.7	27
41	Interactive models of communication at the nanoscale using nanoparticles that talk to one another. <i>Nature Communications</i> , 2017, 8, 15511.	5.8	96
42	Biomedical nanomotors: efficient glucose-mediated insulin release. <i>Nanoscale</i> , 2017, 9, 14307-14311.	2.8	49
43	Disposable electrochemical immunosensor for <i>Brettanomyces bruxellensis</i> based on nanogold-reduced graphene oxide hybrid nanomaterial. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5667-5674.	1.9	19
44	Au-Mesoporous silica nanoparticles gated with disulfide-linked oligo(ethylene glycol) chains for tunable cargo delivery mediated by an integrated enzymatic control unit. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6734-6739.	2.9	17
45	Self-Regulated Glucose-Sensitive Neoglycoenzyme-Capped Mesoporous Silica Nanoparticles for Insulin Delivery. <i>Chemistry - A European Journal</i> , 2017, 23, 1353-1360.	1.7	55
46	Amperometric xanthine biosensors using glassy carbon electrodes modified with electrografted porous silica nanomaterials loaded with xanthine oxidase. <i>Mikrochimica Acta</i> , 2016, 183, 2023-2030.	2.5	9
47	Label-free electrochemical genosensor based on mesoporous silica thin film. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7321-7327.	1.9	25
48	Novel reduced graphene oxide-glycol chitosan nano hybrid for the assembly of an amperometric enzyme biosensor for phenols. <i>Analyst</i> , 2016, 141, 4162-4169.	1.7	30
49	Gold nanoparticles-decorated silver-bipyridine nanobelts for the construction of mediatorless hydrogen peroxide biosensor. <i>Journal of Colloid and Interface Science</i> , 2016, 482, 105-111.	5.0	18
50	Gold nanoparticles/silver-bipyridine hybrid nanobelts with tuned peroxidase-like activity. <i>RSC Advances</i> , 2016, 6, 74957-74960.	1.7	11
51	Estrogen receptor \pm determination in serum, cell lysates and breast cancer cells using an amperometric magnetoimmunosensing platform. <i>Sensing and Bio-Sensing Research</i> , 2016, 7, 71-76.	2.2	30
52	Inactivation of immobilized trypsin under dissimilar conditions produces trypsin molecules with different structures. <i>RSC Advances</i> , 2016, 6, 27329-27334.	1.7	139
53	Reduced graphene oxide-carboxymethylcellulose layered with platinum nanoparticles/PAMAM dendrimer/magnetic nanoparticles hybrids. Application to the preparation of enzyme electrochemical biosensors. <i>Sensors and Actuators B: Chemical</i> , 2016, 232, 84-90.	4.0	74
54	Neoglycoenzyme-Gated Mesoporous Silica Nanoparticles: Toward the Design of Nanodevices for Pulsatile Programmed Sequential Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7657-7665.	4.0	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. <i>ACS Catalysis</i> , 2016, 6, 1894-1900.	5.5	89
56	An electrochemical immunosensor for adiponectin using reduced graphene oxide-carboxymethylcellulose hybrid as electrode scaffold. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 89-94.	4.0	25
57	Single-Walled Carbon Nanotubes/Au-Mesoporous Silica Janus Nanoparticles as Building Blocks for the Preparation of a Bienzyme Biosensor. <i>ChemElectroChem</i> , 2015, 2, 1735-1741.	1.7	26
58	A Layer-by-Layer Biosensing Architecture Based on Polyamidoamine Dendrimer and Carboxymethylcellulose-Modified Graphene Oxide. <i>Electroanalysis</i> , 2015, 27, 2131-2138.	1.5	20
59	First Occurrence of Tetrazines in Aqueous Solution: Electrochemistry and Fluorescence. <i>ChemPhysChem</i> , 2015, 16, 3695-3699.	1.0	13
60	Decorating graphene oxide/nanogold with dextran-based polymer brushes for the construction of ultrasensitive electrochemical enzyme biosensors. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3518-3524.	2.9	37
61	Reduced graphene oxide-Sb ₂ O ₅ hybrid nanomaterial for the design of a laccase-based amperometric biosensor for estriol. <i>Electrochimica Acta</i> , 2015, 174, 332-339.	2.6	54
62	Advanced Materials in Electroanalysis. <i>Electroanalysis</i> , 2015, 27, 2018-2018.	1.5	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. <i>Analytical Chemistry</i> , 2015, 87, 2290-2298.	3.2	76
64	Impact of supramolecular interactions of dextran-cyclodextrin polymers on invertase activity in freeze-dried systems. <i>Biotechnology Progress</i> , 2015, 31, 791-798.	1.3	3
65	Rapid <i>Legionella pneumophila</i> determination based on a disposable core-shell Fe ₃ O ₄ @poly(dopamine) magnetic nanoparticles immunoplatfom. <i>Analytica Chimica Acta</i> , 2015, 887, 51-58.	2.6	61
66	Mesoporous silica thin film mechanized with a DNAzyme-based molecular switch for electrochemical biosensing. <i>Electrochemistry Communications</i> , 2015, 58, 57-61.	2.3	32
67	Versatility of divinylsulfone supports permits the tuning of CALB properties during its immobilization. <i>RSC Advances</i> , 2015, 5, 35801-35810.	1.7	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. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 629-637.	4.0	32
69	Amperometric magnetoimmunosensor for ErbB2 breast cancer biomarker determination in human serum, cell lysates and intact breast cancer cells. <i>Biosensors and Bioelectronics</i> , 2015, 70, 34-41.	5.3	52
70	Electrocatalytic oxidation enhancement at the surface of InGaN films and nanostructures grown directly on Si(111). <i>Electrochemistry Communications</i> , 2015, 60, 158-162.	2.3	9
71	Amperometric magnetobiosensors using poly(dopamine)-modified Fe ₃ O ₄ magnetic nanoparticles for the detection of phenolic compounds. <i>Analytical Methods</i> , 2015, 7, 8801-8808.	1.3	21
72	Graphene-polyamidoamine dendrimer-Pt nanoparticles hybrid nanomaterial for the preparation of mediatorless enzyme biosensor. <i>Journal of Electroanalytical Chemistry</i> , 2014, 717-718, 96-102.	1.9	45

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73	Biosensors in forensic analysis. A review. <i>Analytica Chimica Acta</i> , 2014, 823, 1-19.	2.6	69
74	Preparation of core-shell Fe ₃ O ₄ @poly(dopamine) magnetic nanoparticles for biosensor construction. <i>Journal of Materials Chemistry B</i> , 2014, 2, 739-746.	2.9	197
75	Neoglycoenzymes. <i>Chemical Reviews</i> , 2014, 114, 4868-4917.	23.0	19
76	Nanochannel-based electrochemical assay for transglutaminase activity. <i>Chemical Communications</i> , 2014, 50, 13356-13358.	2.2	27
77	Water-soluble Reduced Graphene Oxide-Carboxymethylcellulose Hybrid Nanomaterial for Electrochemical Biosensor Design. <i>ChemPlusChem</i> , 2014, 79, 1334-1341.	1.3	23
78	Biotin-labeled Electropolymerized Network of Gold Nanoparticles for Amperometric Immunodetection of Human Fibrinogen. <i>ChemElectroChem</i> , 2014, 1, 200-206.	1.7	2
79	Gold surface patterned with cyclodextrin-based molecular nanopores for electrochemical assay of transglutaminase activity. <i>Electrochemistry Communications</i> , 2014, 40, 13-16.	2.3	2
80	Toward the Design of Smart Delivery Systems Controlled by Integrated Enzyme-Based Biocomputing Ensembles. <i>Journal of the American Chemical Society</i> , 2014, 136, 9116-9123.	6.6	100
81	Amperometric magnetoimmunoassay for the direct detection of tumor necrosis factor alpha biomarker in human serum. <i>Analytica Chimica Acta</i> , 2014, 838, 37-44.	2.6	50
82	Seed-mediated growth of jack-shaped gold nanoparticles from cyclodextrin-coated gold nanospheres. <i>Dalton Transactions</i> , 2013, 42, 14309.	1.6	12
83	Janus Au-mesoporous silica nanoparticles as electrochemical biorecognition-signaling system. <i>Electrochemistry Communications</i> , 2013, 30, 51-54.	2.3	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. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3773-3781.	1.9	23
85	Polyethylene glycol-based low generation dendrimers functionalized with cyclodextrin as cryo- and dehydroprotectant of catalase formulations. <i>Biotechnology Progress</i> , 2013, 29, 786-795.	1.3	6
86	Glucose-triggered release using enzyme-gated mesoporous silica nanoparticles. <i>Chemical Communications</i> , 2013, 49, 6391.	2.2	95
87	Enzyme-Controlled Sensing-Actuating Nanomachine Based on Janus Au-Mesoporous Silica Nanoparticles. <i>Chemistry - A European Journal</i> , 2013, 19, 7889-7894.	1.7	59
88	Crumpled reduced graphene oxide-polyamidoamine dendrimer hybrid nanoparticles for the preparation of an electrochemical biosensor. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2289.	2.9	37
89	Effect of Transglutaminase on the Mechanical and Barrier Properties of Whey Protein/Pectin Films Prepared at Complexation pH. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 4593-4598.	2.4	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. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4312-4319.	4.0	58

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91	Supramolecular immobilization of redox enzymes on cyclodextrin-coated magnetic nanoparticles for biosensing applications. <i>Journal of Colloid and Interface Science</i> , 2012, 386, 181-188.	5.0	32
92	Electropolymerized network of polyamidoamine dendron-coated gold nanoparticles as novel nanostructured electrode surface for biosensor construction. <i>Analyst</i> , The, 2012, 137, 342-348.	1.7	31
93	Partial purification and properties of cyclodextrin glycosyltransferase (CGTase) from alkalophilic <i>Bacillus</i> species. <i>SpringerPlus</i> , 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. <i>Electrochimica Acta</i> , 2012, 76, 249-255.	2.6	12
95	Ultrasensitive detection of adrenocorticotropin hormone (ACTH) using disposable phenylboronic-modified electrochemical immunosensors. <i>Biosensors and Bioelectronics</i> , 2012, 35, 82-86.	5.3	65
96	Gold Nanoparticles Enhancing Dismutation of Superoxide Radical by Its Bis(dithiocarbamate)copper(II) Shell. <i>Inorganic Chemistry</i> , 2011, 50, 4705-4712.	1.9	10
97	Gold nanoparticles: Poly(diallyldimethylammonium chloride)-carbon nanotubes composites as platforms for the preparation of electrochemical enzyme biosensors: Application to the determination of cholesterol. <i>Journal of Electroanalytical Chemistry</i> , 2011, 661, 171-178.	1.9	35
98	Designing Electrochemical Interfaces with Functionalized Magnetic Nanoparticles and Wrapped Carbon Nanotubes as Platforms for the Construction of High-Performance Bionzyme Biosensors. <i>Analytical Chemistry</i> , 2011, 83, 7807-7814.	3.2	60
99	Decorating carbon nanotubes with polyethylene glycol-coated magnetic nanoparticles for implementing highly sensitive enzyme biosensors. <i>Journal of Materials Chemistry</i> , 2011, 21, 12858.	6.7	44
100	Immobilization of Xanthine Oxidase on Carbon Nanotubes Through Double Supramolecular Junctions for Biosensor Construction. <i>Electroanalysis</i> , 2011, 23, 1790-1796.	1.5	8
101	Pyrene-adamantane- β -cyclodextrin: An efficient host-guest system for the biofunctionalization of SWCNT electrodes. <i>Carbon</i> , 2011, 49, 2571-2578.	5.4	42
102	β -Cyclodextrin modifications as related to enzyme stability in dehydrated systems: Supramolecular transitions and molecular interactions. <i>Carbohydrate Polymers</i> , 2011, 83, 203-209.	5.1	18
103	Wiring horseradish peroxidase on gold nanoparticles-based nanostructured polymeric network for the construction of mediatorless hydrogen peroxide biosensor. <i>Electrochimica Acta</i> , 2011, 56, 4672-4677.	2.6	59
104	Putrescine-polysaccharide conjugates as transglutaminase substrates and their possible use in producing crosslinked films. <i>Amino Acids</i> , 2010, 38, 669-675.	1.2	17
105	A copper(II) thiosemicarbazone complex built on gold for the immobilization of lipase and laccase. <i>Journal of Colloid and Interface Science</i> , 2010, 348, 96-100.	5.0	11
106	Isolation and characterisation of pectic substances from murta (<i>Ugni molinae</i> Turcz) fruits. <i>Food Chemistry</i> , 2010, 123, 669-678.	4.2	76
107	Preparation of thermostable trypsin-polysaccharide neoglycoenzymes through Ugi multicomponent reaction. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 59, 126-130.	1.8	20
108	Novel enzyme biosensor for hydrogen peroxide via supramolecular associations. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2028-2033.	5.3	32

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109	Polyelectrostatic immobilization of gold nanoparticles-modified peroxidase on alginate-coated gold electrode for mediatorless biosensor construction. <i>Journal of Electroanalytical Chemistry</i> , 2009, 629, 126-132.	1.9	30
110	Adamantane/ β -cyclodextrin affinity biosensors based on single-walled carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1128-1134.	5.3	88
111	Antioxidative properties of copper(II) complexes. <i>Journal of Coordination Chemistry</i> , 2009, 62, 100-107.	0.8	22
112	Covalent immobilization of phenylalanine dehydrogenase on cellulose membrane for biosensor construction. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 195-199.	4.0	38
113	IMMOBILIZATION OF INVERTASEâ€“CHITOSAN CONJUGATE ON HYALURONIC-ACID-MODIFIED CHITIN. <i>Journal of Food Biochemistry</i> , 2008, 32, 264-277.	1.2	15
114	Structure/Function Relationships of Several Biopolymers as Related to Invertase Stability in Dehydrated Systems. <i>Biomacromolecules</i> , 2008, 9, 741-747.	2.6	21
115	Hydrogen Peroxide Biosensor with a Supramolecular Layer-by-Layer Design. <i>Langmuir</i> , 2008, 24, 7654-7657.	1.6	39
116	Solubilization and Stabilization of Sodium Dicloxacillin by Cyclodextrin Inclusion. <i>Current Drug Discovery Technologies</i> , 2008, 5, 140-145.	0.6	11
117	Supramolecular Chemistry of Cyclodextrins in Enzyme Technology. <i>Chemical Reviews</i> , 2007, 107, 3088-3116.	23.0	354
118	Amperometric biosensor for xanthine with supramolecular architecture. <i>Chemical Communications</i> , 2007, , 942-944.	2.2	42
119	Amperometric Biosensor for Hydrogen Peroxide, Using Supramolecularly Immobilized Horseradish Peroxidase on the β -Cyclodextrinâ€“Coated Gold Electrode. <i>Electroanalysis</i> , 2007, 19, 2538-2542.	1.5	67
120	Bienzymatic Supramolecular Complex of Catalase Modified with Cyclodextrin-Branched Carboxymethylcellulose and Superoxide Dismutase: Stability and Anti-Inflammatory Properties. <i>Macromolecular Bioscience</i> , 2007, 7, 70-75.	2.1	16
121	Ferrocene Branched Chitosan for the Construction of a Reagentless Amperometric Hydrogen Peroxide Biosensor. <i>Macromolecular Bioscience</i> , 2007, 7, 435-439.	2.1	47
122	Transglutaminase-catalyzed preparation of chitosanâ€“ovalbumin films. <i>Enzyme and Microbial Technology</i> , 2007, 40, 437-441.	1.6	63
123	Construction of an amperometric biosensor for xanthine via supramolecular associations. <i>Electrochemistry Communications</i> , 2007, 9, 454-458.	2.3	47
124	Amperometric enzyme biosensor for hydrogen peroxide via Ugi multicomponent reaction. <i>Electrochemistry Communications</i> , 2007, 9, 1655-1660.	2.3	34
125	Lipase fraction from the viscera of grey mullet (<i>Mugil cephalus</i>). <i>Enzyme and Microbial Technology</i> , 2007, 40, 394-402.	1.6	60
126	Glycosidation of phenylalanine dehydrogenase with O-carboxymethyl-poly- β -cyclodextrin. <i>Enzyme and Microbial Technology</i> , 2007, 40, 471-475.	1.6	9

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127	International conference on enzyme technology "RELATENZ"™2005, Enzyme and Microbial Technology, 2007, 40, 381.	1.6	2
128	Preparation of β -Cyclodextrin-Dextran Polymers and their Use as Supramolecular Carrier Systems for Naproxen. Polymer Bulletin, 2007, 59, 597-605.	1.7	16
129	Supramolecular-mediated immobilization of L-phenylalanine dehydrogenase on cyclodextrin-coated Au electrodes for biosensor applications. Biotechnology Letters, 2007, 29, 447-452.	1.1	25
130	Transglutaminase-catalyzed site-specific glycosidation of catalase with aminated dextran. Journal of Biotechnology, 2006, 122, 326-333.	1.9	34
131	Chitosan~Whey Protein Edible Films Produced in the Absence or Presence of Transglutaminase: Analysis of Their Mechanical and Barrier Properties. Biomacromolecules, 2006, 7, 744-749.	2.6	151
132	Immobilizing Cu,Zn-superoxide dismutase in hydrogels of carboxymethylcellulose improves its stability and wound healing properties. Biochemistry (Moscow), 2006, 71, 1324-1328.	0.7	21
133	Immobilization of chitosan-modified invertase on alginate-coated chitin support via polyelectrolyte complex formation. Enzyme and Microbial Technology, 2006, 38, 22-27.	1.6	46
134	Supramolecular-mediated thermostabilization of phenylalanine dehydrogenase modified with β -cyclodextrin derivatives. Biochemical Engineering Journal, 2006, 30, 26-32.	1.8	21
135	Glycosidation of trypsin with end-group activated dextran. Process Biochemistry, 2006, 41, 1155-1159.	1.8	5
136	Improved pharmacological properties for superoxide dismutase modified with mannan. Biotechnology and Applied Biochemistry, 2006, 44, 159.	1.4	6
137	Transglutaminase-catalysed glycosidation of trypsin with aminated polysaccharides. World Journal of Microbiology and Biotechnology, 2006, 22, 595-602.	1.7	12
138	Anti-inflammatory properties of superoxide dismutase modified with carboxymethyl-cellulose polymer and hydrogel. Journal of Materials Science: Materials in Medicine, 2006, 17, 427-435.	1.7	9
139	Polyelectrolyte complex formation mediated immobilization of chitosan-invertase neoglycoconjugate on pectin-coated chitin. Bioprocess and Biosystems Engineering, 2006, 28, 387-395.	1.7	30
140	Improved pharmacological properties for superoxide dismutase modified with β -cyclodextrin~carboxymethylcellulose polymer. Biotechnology Letters, 2006, 28, 1465-1470.	1.1	6
141	Cyclodextrin-grafted polysaccharides as supramolecular carrier systems for naproxen. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 1499-1501.	1.0	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.	1.3	5
143	Pharmacokinetics and Stability Properties of Catalase Modified with Water-Soluble Polysaccharides. Archiv Der Pharmazie, 2006, 339, 372-377.	2.1	1
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