

Reynaldo Villalonga

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

181 papers	5,217 citations	41 h-index	60 g-index
184 ext. papers	5,724 ext. citations	6.3 avg, IF	5.76 L-index

#	Paper	IF	Citations
181	Ultrafast Directional Janus Pt-Mesoporous Silica Nanomotors for Smart Drug Delivery. <i>ACS Nano</i> , 2021 , 15, 4467-4480	16.7	27
180	Enhanced photoconversion efficiency of hybrid TiO ₂ /n-MWCNT/Si photoanode for water splitting in neutral medium. <i>Materials Letters</i> , 2021 , 285, 129128	3.3	2
179	Hybrid magnetic nanoparticles for electrochemical biosensors 2021 , 679-720		0
178	A glutathione disulfide-sensitive Janus nanomachine controlled by an enzymatic AND logic gate for smart delivery. <i>Nanoscale</i> , 2021 , 13, 18616-18625	7.7	1
177	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	11.8	9
176	Sucrose-Responsive Intercommunicated Janus Nanoparticles Network. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
175	Dithioacetal-mechanized mesoporous nanosensor for Hg(II) determination. <i>Microporous and Mesoporous Materials</i> , 2020 , 297, 110054	5.3	6
174	An enzyme-controlled Janus nanomachine for on-command dual and sequential release. <i>Chemical Communications</i> , 2020 , 56, 6440-6443	5.8	6
173	Electrochemical biosensors based on nucleic acid aptamers. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 55-72	4.4	66
172	A 1-to-2 demultiplexer hybrid nanocarrier for cargo delivery and activation. <i>Chemical Communications</i> , 2020 , 56, 9974-9977	5.8	1
171	Amperometric aptasensor for carcinoembryonic antigen based on a reduced graphene oxide/gold nanoparticles modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 877, 114511	4.1	7
170	Nickel oxide nanoparticles-modified glassy carbon electrodes for non-enzymatic determination of total sugars in commercial beverages. <i>Microchemical Journal</i> , 2020 , 159, 105538	4.8	1
169	Enzyme-controlled mesoporous nanosensor for the detection of living <i>Saccharomyces cerevisiae</i> . <i>Sensors and Actuators B: Chemical</i> , 2020 , 303, 127197	8.5	6
168	A chemical circular communication network at the nanoscale. <i>Chemical Science</i> , 2020 , 12, 1551-1559	9.4	9
167	Enzyme-Powered Gated Mesoporous Silica Nanomotors for On-Command Intracellular Payload Delivery. <i>ACS Nano</i> , 2019 , 13, 12171-12183	16.7	83
166	Avidin-gated mesoporous silica nanoparticles for signal amplification in electrochemical biosensor. <i>Electrochemistry Communications</i> , 2019 , 108, 106556	5.1	11
165	Janus Gold Nanostars-Mesoporous Silica Nanoparticles for NIR-Light-Triggered Drug Delivery. <i>Chemistry - A European Journal</i> , 2019 , 25, 8471-8478	4.8	19

164	A L-glutamate-responsive delivery system based on enzyme-controlled self-immolative arylboronate-gated nanoparticles. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 1058-1063	5.2	4
163	An Interactive Model of Communication between Abiotic Nanodevices and Microorganisms. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14986-14990	16.4	26
162	An Interactive Model of Communication between Abiotic Nanodevices and Microorganisms. <i>Angewandte Chemie</i> , 2019 , 131, 15128-15132	3.6	3
161	Glucose-Responsive Enzyme-Controlled Mesoporous Nanomachine with a Layer-by-Layer Supramolecular Architecture.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 3321-3328	4.1	5
160	Electrochemical aptamer-based bioplatfrom for ultrasensitive detection of prostate specific antigen. <i>Sensors and Actuators B: Chemical</i> , 2019 , 297, 126762	8.5	30
159	Janus nanocarrier powered by bi-enzymatic cascade system for smart delivery. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 4669-4676	7.3	8
158	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	6.6	32
157	Electroanalytical Methods Based on Hybrid Nanomaterials 2019 , 1-22		
156	Stimulus-responsive nanomotors based on gated enzyme-powered Janus Au-mesoporous silica nanoparticles for enhanced cargo delivery. <i>Chemical Communications</i> , 2019 , 55, 13164-13167	5.8	28
155	Dendrimers as Soft Nanomaterials for Electrochemical Immunosensors. <i>Nanomaterials</i> , 2019 , 9,	5.4	21
154	Vapor sensing and interface properties of reduced graphene oxide/poly(methyl methacrylate) nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 2908-2919	2.1	5
153	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	8.5	29
152	A Versatile New Paradigm for the Design of Optical Nanosensors Based on Enzyme-Mediated Detachment of Labeled Reporters: The Example of Urea Detection. <i>Chemistry - A European Journal</i> , 2019 , 25, 3575-3581	4.8	5
151	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	2.2	3
150	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	11.8	36
149	Toward chemical communication between nanodevices. <i>Nano Today</i> , 2018 , 18, 8-11	17.9	13
148	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	9.5	13
147	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	9.5	44

146	Reduced graphene oxide/poly(methyl methacrylate) nanocomposite as a supercapacitor. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46685	2.9	3
145	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	8.5	57
144	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	4.4	9
143	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	11.8	54
142	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	4.8	20
141	Interactive models of communication at the nanoscale using nanoparticles that talk to one another. <i>Nature Communications</i> , 2017 , 8, 15511	17.4	82
140	Biomedical nanomotors: efficient glucose-mediated insulin release. <i>Nanoscale</i> , 2017 , 9, 14307-14311	7.7	38
139	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	4.4	14
138	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	7.3	16
137	Self-Regulated Glucose-Sensitive Neoglycoenzyme-Capped Mesoporous Silica Nanoparticles for Insulin Delivery. <i>Chemistry - A European Journal</i> , 2017 , 23, 1353-1360	4.8	48
136	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	8.5	24
135	Estrogen receptor α 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	3.3	23
134	Inactivation of immobilized trypsin under dissimilar conditions produces trypsin molecules with different structures. <i>RSC Advances</i> , 2016 , 6, 27329-27334	3.7	102
133	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	8.5	59
132	Neoglycoenzyme-Gated Mesoporous Silica Nanoparticles: Toward the Design of Nanodevices for Pulsatile Programmed Sequential Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7657-65	9.5	22
131	Direct Electron Transfer between a Site-Specific Pyrene-Modified Laccase and Carbon Nanotube/Gold Nanoparticle Supramolecular Assemblies for Bioelectrocatalytic Dioxxygen Reduction. <i>ACS Catalysis</i> , 2016 , 6, 1894-1900	13.1	65
130	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	5.8	7
129	Label-free electrochemical genosensor based on mesoporous silica thin film. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 7321-7	4.4	17

128	Novel reduced graphene oxide-glycol chitosan nanohybrid for the assembly of an amperometric enzyme biosensor for phenols. <i>Analyst, The</i> , 2016 , 141, 4162-9	5	27
127	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	9.3	17
126	Gold nanoparticles/silver-bipyridine hybrid nanobelts with tuned peroxidase-like activity. <i>RSC Advances</i> , 2016 , 6, 74957-74960	3.7	9
125	Impact of supramolecular interactions of dextran- β -cyclodextrin polymers on invertase activity in freeze-dried systems. <i>Biotechnology Progress</i> , 2015 , 31, 791-8	2.8	3
124	Rapid <i>Legionella pneumophila</i> determination based on a disposable core-shell Fe ₃ O ₄ @poly(dopamine) magnetic nanoparticles immunoplatfrom. <i>Analytica Chimica Acta</i> , 2015 , 887, 51-58	6.6	52
123	Mesoporous silica thin film mechanized with a DNAzyme-based molecular switch for electrochemical biosensing. <i>Electrochemistry Communications</i> , 2015 , 58, 57-61	5.1	25
122	Versatility of divinylsulfone supports permits the tuning of CALB properties during its immobilization. <i>RSC Advances</i> , 2015 , 5, 35801-35810	3.7	56
121	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	8.5	25
120	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	11.8	48
119	Electrocatalytic oxidation enhancement at the surface of InGaN films and nanostructures grown directly on Si(111). <i>Electrochemistry Communications</i> , 2015 , 60, 158-162	5.1	9
118	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	3.2	16
117	Electroanalytical Methods Based on Hybrid Nanomaterials 2015 , 1-18		2
116	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	4.3	20
115	A Layer-by-Layer Biosensing Architecture Based on Polyamidoamine Dendrimer and Carboxymethylcellulose-Modified Graphene Oxide. <i>Electroanalysis</i> , 2015 , 27, 2131-2138	3	17
114	First Occurrence of Tetrazines in Aqueous Solution: Electrochemistry and Fluorescence. <i>ChemPhysChem</i> , 2015 , 16, 3695-9	3.2	13
113	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	7.3	33
112	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	6.7	40
111	Dual functional graphene derivative-based electrochemical platforms for detection of the TP53 gene with single nucleotide polymorphism selectivity in biological samples. <i>Analytical Chemistry</i> , 2015 , 87, 2290-8	7.8	64

110	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	4.1	42
109	Biosensors in forensic analysis. A review. <i>Analytica Chimica Acta</i> , 2014 , 823, 1-19	6.6	58
108	Preparation of core-shell FeO@poly(dopamine) magnetic nanoparticles for biosensor construction. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 739-746	7.3	175
107	Neoglycoenzymes. <i>Chemical Reviews</i> , 2014 , 114, 4868-917	68.1	17
106	Nanochannel-based electrochemical assay for transglutaminase activity. <i>Chemical Communications</i> , 2014 , 50, 13356-8	5.8	25
105	Water-Soluble Reduced Graphene Oxide-Carboxymethylcellulose Hybrid Nanomaterial for Electrochemical Biosensor Design. <i>ChemPlusChem</i> , 2014 , 79, 1334-1341	2.8	21
104	Biotin-Labeled Electropolymerized Network of Gold Nanoparticles for Amperometric Immunodetection of Human Fibrinogen. <i>ChemElectroChem</i> , 2014 , 1, 200-206	4.3	1
103	Gold surface patterned with cyclodextrin-based molecular nanopores for electrochemical assay of transglutaminase activity. <i>Electrochemistry Communications</i> , 2014 , 40, 13-16	5.1	2
102	Toward the design of smart delivery systems controlled by integrated enzyme-based biocomputing ensembles. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9116-23	16.4	92
101	Amperometric magnetoimmunoassay for the direct detection of tumor necrosis factor alpha biomarker in human serum. <i>Analytica Chimica Acta</i> , 2014 , 838, 37-44	6.6	41
100	Nanoparticle-Modified Electrodes for Sensing 2014 , 47-87		
99	Seed-mediated growth of jack-shaped gold nanoparticles from cyclodextrin-coated gold nanospheres. <i>Dalton Transactions</i> , 2013 , 42, 14309-14	4.3	10
98	Janus Au-mesoporous silica nanoparticles as electrochemical biorecognition-signaling system. <i>Electrochemistry Communications</i> , 2013 , 30, 51-54	5.1	33
97	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, 3773-81	4.4	19
96	Polyethylene glycol-based low generation dendrimers functionalized with cyclodextrin as cryo- and dehydro-protectant of catalase formulations. <i>Biotechnology Progress</i> , 2013 , 29, 786-95	2.8	6
95	Glucose-triggered release using enzyme-gated mesoporous silica nanoparticles. <i>Chemical Communications</i> , 2013 , 49, 6391-3	5.8	86
94	Enzyme-controlled sensing-actuating nanomachine based on Janus Au-mesoporous silica nanoparticles. <i>Chemistry - A European Journal</i> , 2013 , 19, 7889-94	4.8	52
93	Crumpled reduced graphene oxide-polyamidoamine dendrimer hybrid nanoparticles for the preparation of an electrochemical biosensor. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2289-2296	7.3	35

92	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, 4593-8	5.7	35
91	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	6.7	12
90	Ultrasensitive detection of adrenocorticotropin hormone (ACTH) using disposable phenylboronic-modified electrochemical immunosensors. <i>Biosensors and Bioelectronics</i> , 2012 , 35, 82-86	11.8	58
89	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, 4312-9	9.5	51
88	Supramolecular immobilization of redox enzymes on cyclodextrin-coated magnetic nanoparticles for biosensing applications. <i>Journal of Colloid and Interface Science</i> , 2012 , 386, 181-8	9.3	27
87	Electropolymerized network of polyamidoamine dendron-coated gold nanoparticles as novel nanostructured electrode surface for biosensor construction. <i>Analyst, The</i> , 2012 , 137, 342-8	5	29
86	Partial purification and properties of cyclodextrin glycosyltransferase (CGTase) from alkalophilic <i>Bacillus</i> species. <i>SpringerPlus</i> , 2012 , 1, 61		17
85	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	4.1	30
84	Designing electrochemical interfaces with functionalized magnetic nanoparticles and wrapped carbon nanotubes as platforms for the construction of high-performance bienzyme biosensors. <i>Analytical Chemistry</i> , 2011 , 83, 7807-14	7.8	53
83	Decorating carbon nanotubes with polyethylene glycol-coated magnetic nanoparticles for implementing highly sensitive enzyme biosensors. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12858		43
82	Immobilization of Xanthine Oxidase on Carbon Nanotubes Through Double Supramolecular Junctions for Biosensor Construction. <i>Electroanalysis</i> , 2011 , 23, 1790-1796	3	8
81	Gold nanoparticles enhancing dismutation of superoxide radical by its bis(dithiocarbamate)copper(II) shell. <i>Inorganic Chemistry</i> , 2011 , 50, 4705-12	5.1	9
80	Pyrene-adamantane- β -cyclodextrin: An efficient host-guest system for the biofunctionalization of SWCNT electrodes. <i>Carbon</i> , 2011 , 49, 2571-2578	10.4	31
79	β -Cyclodextrin modifications as related to enzyme stability in dehydrated systems: Supramolecular transitions and molecular interactions. <i>Carbohydrate Polymers</i> , 2011 , 83, 203-209	10.3	15
78	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	6.7	50
77	Putrescine-polysaccharide conjugates as transglutaminase substrates and their possible use in producing crosslinked films. <i>Amino Acids</i> , 2010 , 38, 669-75	3.5	11
76	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	9.3	11
75	Isolation and characterisation of pectic substances from murta (<i>Ugni molinae</i> Turcz) fruits. <i>Food Chemistry</i> , 2010 , 123, 669-678	8.5	66

74	Preparation of thermostable trypsin-polysaccharide neoglycoenzymes through Ugi multicomponent reaction. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009 , 59, 126-130		17
73	Novel enzyme biosensor for hydrogen peroxide via supramolecular associations. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 2028-33	11.8	30
72	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	4.1	28
71	Adamantane/beta-cyclodextrin affinity biosensors based on single-walled carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1128-34	11.8	84
70	Antioxidative properties of copper(II) complexes. View all notes. <i>Journal of Coordination Chemistry</i> , 2009 , 62, 100-107	1.6	22
69	Structure/function relationships of several biopolymers as related to invertase stability in dehydrated systems. <i>Biomacromolecules</i> , 2008 , 9, 741-7	6.9	20
68	Hydrogen peroxide biosensor with a supramolecular layer-by-layer design. <i>Langmuir</i> , 2008 , 24, 7654-7	4	39
67	Solubilization and stabilization of sodium dicloxacillin by cyclodextrin inclusion. <i>Current Drug Discovery Technologies</i> , 2008 , 5, 140-5	1.5	8
66	Covalent immobilization of phenylalanine dehydrogenase on cellulose membrane for biosensor construction. <i>Sensors and Actuators B: Chemical</i> , 2008 , 129, 195-199	8.5	30
65	IMMOBILIZATION OF INVERTASE ON CHITOSAN CONJUGATE ON HYALURONIC-ACID-MODIFIED CHITIN. <i>Journal of Food Biochemistry</i> , 2008 , 32, 264-277	3.3	13
64	Amperometric biosensor for xanthine with supramolecular architecture. <i>Chemical Communications</i> , 2007 , 942-4	5.8	40
63	Amperometric Biosensor for Hydrogen Peroxide, Using Supramolecularly Immobilized Horseradish Peroxidase on the Cyclodextrin-Coated Gold Electrode. <i>Electroanalysis</i> , 2007 , 19, 2538-2542	3	58
62	Biozymatic supramolecular complex of catalase modified with cyclodextrin-branched carboxymethylcellulose and superoxide dismutase: stability and anti-inflammatory properties. <i>Macromolecular Bioscience</i> , 2007 , 7, 70-5	5.5	15
61	Ferrocene branched chitosan for the construction of a reagentless amperometric hydrogen peroxide biosensor. <i>Macromolecular Bioscience</i> , 2007 , 7, 435-9	5.5	46
60	Transglutaminase-catalyzed preparation of chitosan-ovalbumin films. <i>Enzyme and Microbial Technology</i> , 2007 , 40, 437-441	3.8	53
59	Construction of an amperometric biosensor for xanthine via supramolecular associations. <i>Electrochemistry Communications</i> , 2007 , 9, 454-458	5.1	47
58	Amperometric enzyme biosensor for hydrogen peroxide via Ugi multicomponent reaction. <i>Electrochemistry Communications</i> , 2007 , 9, 1655-1660	5.1	29
57	Lipase fraction from the viscera of grey mullet (<i>Mugil cephalus</i>). <i>Enzyme and Microbial Technology</i> , 2007 , 40, 394-402	3.8	49

56	Glycosidation of phenylalanine dehydrogenase with O-carboxymethyl-poly-β-cyclodextrin. <i>Enzyme and Microbial Technology</i> , 2007 , 40, 471-475	3.8	9
55	International conference on enzyme technology RELATENZ005 <i>Enzyme and Microbial Technology</i> , 2007 , 40, 381	3.8	2
54	Preparation of β-cyclodextrin-Dextran Polymers and their Use as Supramolecular Carrier Systems for Naproxen. <i>Polymer Bulletin</i> , 2007 , 59, 597-605	2.4	11
53	Supramolecular-mediated immobilization of L-phenylalanine dehydrogenase on cyclodextrin-coated Au electrodes for biosensor applications. <i>Biotechnology Letters</i> , 2007 , 29, 447-52	3	18
52	Supramolecular chemistry of cyclodextrins in enzyme technology. <i>Chemical Reviews</i> , 2007 , 107, 3088-1168.1	325	
51	Cyclodextrin-grafted polysaccharides as supramolecular carrier systems for naproxen. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 1499-501	2.9	31
50	Improved pharmacokinetics and stability properties of catalase by chemical glycosidation with end-group activated dextran. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 4573-4576	2.9	5
49	Pharmacokinetics and stability properties of catalase modified with water-soluble polysaccharides. <i>Archiv Der Pharmazie</i> , 2006 , 339, 372-7	4.3	1
48	Improved anti-inflammatory properties for naproxen with cyclodextrin-grafted polysaccharides. <i>Macromolecular Bioscience</i> , 2006 , 6, 555-61	5.5	18
47	Immobilization of chitosan-invertase neoglycoconjugate on carboxymethylcellulose-modified chitin. <i>Preparative Biochemistry and Biotechnology</i> , 2006 , 36, 259-71	2.4	11
46	Transglutaminase-catalyzed site-specific glycosidation of catalase with aminated dextran. <i>Journal of Biotechnology</i> , 2006 , 122, 326-33	3.7	32
45	Chitosan-whey protein edible films produced in the absence or presence of transglutaminase: analysis of their mechanical and barrier properties. <i>Biomacromolecules</i> , 2006 , 7, 744-9	6.9	139
44	Immobilizing Cu,Zn-superoxide dismutase in hydrogels of carboxymethylcellulose improves its stability and wound healing properties. <i>Biochemistry (Moscow)</i> , 2006 , 71, 1324-8	2.9	15
43	Immobilization of chitosan-modified invertase on alginate-coated chitin support via polyelectrolyte complex formation. <i>Enzyme and Microbial Technology</i> , 2006 , 38, 22-27	3.8	43
42	Supramolecular-mediated thermostabilization of phenylalanine dehydrogenase modified with β-cyclodextrin derivatives. <i>Biochemical Engineering Journal</i> , 2006 , 30, 26-32	4.2	18
41	Glycosidation of trypsin with end-group activated dextran. <i>Process Biochemistry</i> , 2006 , 41, 1155-1159	4.8	4
40	Improved pharmacological properties for superoxide dismutase modified with mannan. <i>Biotechnology and Applied Biochemistry</i> , 2006 , 44, 159-65	2.8	6
39	Transglutaminase-catalysed glycosidation of trypsin with aminated polysaccharides. <i>World Journal of Microbiology and Biotechnology</i> , 2006 , 22, 595-602	4.4	11

38	Anti-inflammatory properties of superoxide dismutase modified with carboxymetil-cellulose polymer and hydrogel. <i>Journal of Materials Science: Materials in Medicine</i> , 2006 , 17, 427-35	4.5	9
37	Polyelectrolyte complex formation mediated immobilization of chitosan-invertase neoglycoconjugate on pectin-coated chitin. <i>Bioprocess and Biosystems Engineering</i> , 2006 , 28, 387-95	3.7	28
36	Improved pharmacological properties for superoxide dismutase modified with beta-cyclodextrin-carboxymethylcellulose polymer. <i>Biotechnology Letters</i> , 2006 , 28, 1465-70	3	5
35	Towards nanomedicine with a supramolecular approach: a review. <i>IET Nanobiotechnology</i> , 2005 , 152, 159-64		9
34	Supramolecular-mediated Immobilization of Trypsin on Cyclodextrin-modified Gold Nanospheres. <i>Supramolecular Chemistry</i> , 2005 , 17, 387-391	1.8	10
33	Stabilization of Ecthyotrypsin by chemical modification with monoamine cyclodextrin. <i>Process Biochemistry</i> , 2005 , 40, 2091-2094	4.8	16
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- 2 Determination of SOD-Like activity of Copper(II) complexes with β -Amino acid dithiocarbamates.
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