Reynaldo Villalonga

List of Publications by Citations

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	Supramolecular chemistry of cyclodextrins in enzyme technology. *Chemical Reviews*, **2007**, 107, 3088-116	68.1	325
180	Preparation of core-shell FeO@poly(dopamine) magnetic nanoparticles for biosensor construction. *Journal of Materials Chemistry B*, **2014**, 2, 739-746	7.3	175
179	Chitosan-whey protein edible films produced in the absence or presence of transglutaminase: analysis of their mechanical and barrier properties. *Biomacromolecules*, **2006**, 7, 744-9	6.9	139
178	Inactivation of immobilized trypsin under dissimilar conditions produces trypsin molecules with different structures. *RSC Advances*, **2016**, 6, 27329-27334	3.7	102
177	Toward the design of smart delivery systems controlled by integrated enzyme-based biocomputing ensembles. *Journal of the American Chemical Society*, **2014**, 136, 9116-23	16.4	92
176	Glucose-triggered release using enzyme-gated mesoporous silica nanoparticles. *Chemical Communications*, **2013**, 49, 6391-3	5.8	86
175	Adamantane/beta-cyclodextrin affinity biosensors based on single-walled carbon nanotubes. *Biosensors and Bioelectronics*, **2009**, 24, 1128-34	11.8	84
174	Enzyme-Powered Gated Mesoporous Silica Nanomotors for On-Command Intracellular Payload Delivery. *ACS Nano*, **2019**, 13, 12171-12183	16.7	83
173	Immobilization of Adamantane-Modified Cytochromecat Electrode Surfaces through Supramolecular Interactions. *Langmuir*, **2002**, 18, 5051-5054	4	83
172	Interactive models of communication at the nanoscale using nanoparticles that talk to one another. *Nature Communications*, **2017**, 8, 15511	17.4	82
171	Preparation and functional properties of trypsin modified by carboxymethylcellulose. *Journal of Molecular Catalysis B: Enzymatic*, **2000**, 10, 483-490		69
170	Isolation and characterisation of pectic substances from murta (Ugni molinae Turcz) fruits. *Food Chemistry*, **2010**, 123, 669-678	8.5	66
169	Electrochemical biosensors based on nucleic acid aptamers. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 55-72	4.4	66
168	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	13.1	65
167	Dual functional graphene derivative-based electrochemical platforms for detection of the TP53 gene with single nucleotide polymorphism selectivity in biological samples. *Analytical Chemistry*, **2015**, 87, 2290-8	7.8	64
166	Functional stabilization of cellulase by covalent modification with chitosan. *Journal of Chemical Technology and Biotechnology*, **2001**, 76, 489-493	3.5	61
165	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	8.5	59

164	Biosensors in forensic analysis. A review. *Analytica Chimica Acta*, **2014**, 823, 1-19	6.6	58
163	Ultrasensitive detection of adrenocorticotropin hormone (ACTH) using disposable phenylboronic-modified electrochemical immunosensors. *Biosensors and Bioelectronics*, **2012**, 35, 82-86	11.8	58
162	Amperometric Biosensor for Hydrogen Peroxide, Using Supramolecularly Immobilized Horseradish Peroxidase on the Cyclodextrin-Coated Gold Electrode. *Electroanalysis*, **2007**, 19, 2538-2542	3	58
161	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	8.5	57
160	Versatility of divinylsulfone supports permits the tuning of CALB properties during its immobilization. *RSC Advances*, **2015**, 5, 35801-35810	3.7	56
159	Decoration of reduced graphene oxide with rhodium nanoparticles for the design of a sensitive electrochemical enzyme biosensor for 17 estradiol. *Biosensors and Bioelectronics*, **2017**, 89, 343-351	11.8	54
158	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, 7807-14	7.8	53
157	Transglutaminase-catalyzed preparation of chitosan valbumin films. *Enzyme and Microbial Technology*, **2007**, 40, 437-441	3.8	53
156	Rapid Legionella pneumophila determination based on a disposable core-shell Fe @poly(dopamine) magnetic nanoparticles immunoplatform. *Analytica Chimica Acta*, **2015**, 887, 51-58	6.6	52
155	Enzyme-controlled sensing-actuating nanomachine based on Janus Au-mesoporous silica nanoparticles. *Chemistry - A European Journal*, **2013**, 19, 7889-94	4.8	52
154	Transglutaminase-catalyzed synthesis of trypsin-cyclodextrin conjugates: kinetics and stability properties. *Biotechnology and Bioengineering*, **2003**, 81, 732-7	4.9	52
153	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, 4312-9	9.5	51
152	Wiring horseradish peroxidase on gold nanoparticles-based nanostructured polymeric network for the construction of mediatorless hydrogen peroxide biosensor. *Electrochimica Acta*, **2011**, 56, 4672-4677	6.7	50
151	Lipase fraction from the viscera of grey mullet (Mugil cephalus). *Enzyme and Microbial Technology*, **2007**, 40, 394-402	3.8	49
150	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	11.8	48
149	Self-Regulated Glucose-Sensitive Neoglycoenzyme-Capped Mesoporous Silica Nanoparticles for Insulin Delivery. *Chemistry - A European Journal*, **2017**, 23, 1353-1360	4.8	48
148	Construction of an amperometric biosensor for xanthine via supramolecular associations. *Electrochemistry Communications*, **2007**, 9, 454-458	5.1	47
147	Stabilization of invertase by modification of sugar chains with chitosan. *Biotechnology Letters*, **2000**, 22, 347-350	3	47

146	Ferrocene branched chitosan for the construction of a reagentless amperometric hydrogen peroxide biosensor. *Macromolecular Bioscience*, **2007**, 7, 435-9	5.5	46
145	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	9.5	44
144	Decorating carbon nanotubes with polyethylene glycol-coated magnetic nanoparticles for implementing highly sensitive enzyme biosensors. *Journal of Materials Chemistry*, **2011**, 21, 12858		43
143	Immobilization of chitosan-modified invertase on alginate-coated chitin support via polyelectrolyte complex formation. *Enzyme and Microbial Technology*, **2006**, 38, 22-27	3.8	43
142	Graphene□polyamidoamine dendrimer□Pt nanoparticles hybrid nanomaterial for the preparation of mediatorless enzyme biosensor. *Journal of Electroanalytical Chemistry*, **2014**, 717-718, 96-102	4.1	42
141	Amperometric magnetoimmunoassay for the direct detection of tumor necrosis factor alpha biomarker in human serum. *Analytica Chimica Acta*, **2014**, 838, 37-44	6.6	41
140	Functional stabilization of invertase by covalent modification with pectin. *Biotechnology Letters*, **2000**, 22, 1191-1195	3	41
139	Reduced graphene oxide-Sb2O5 hybrid nanomaterial for the design of a laccase-based amperometric biosensor for estriol. *Electrochimica Acta*, **2015**, 174, 332-339	6.7	40
138	Amperometric biosensor for xanthine with supramolecular architecture. *Chemical Communications*, **2007**, 942-4	5.8	40
137	Hydrogen peroxide biosensor with a supramolecular layer-by-layer design. *Langmuir*, **2008**, 24, 7654-7	4	39
136	Biomedical nanomotors: efficient glucose-mediated insulin release. *Nanoscale*, **2017**, 9, 14307-14311	7.7	38
135	Supramolecular assembly of □-cyclodextrin-modified gold nanoparticles and Cu, Zn-superoxide dismutase on catalase. *Journal of Molecular Catalysis B: Enzymatic*, **2005**, 35, 79-85		38
134	Electrochemical biointerfaces based on carbon nanotubes-mesoporous silica hybrid material: Bioelectrocatalysis of hemoglobin and biosensing applications. *Biosensors and Bioelectronics*, **2018**, 111, 144-151	11.8	36
133	Thermal stabilization of trypsin by enzymic modification with beta-cyclodextrin derivatives. *Biotechnology and Applied Biochemistry*, **2003**, 38, 53-9	2.8	36
132	Crumpled reduced graphene oxide-polyamidoamine dendrimer hybrid nanoparticles for the preparation of an electrochemical biosensor. *Journal of Materials Chemistry B*, **2013**, 1, 2289-2296	7.3	35
131	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, 4593-8	5.7	35
130	Janus Au-mesoporous silica nanoparticles as electrochemical biorecognition-signaling system. *Electrochemistry Communications*, **2013**, 30, 51-54	5.1	33
129	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	7.3	33

128	Transglutaminase-catalyzed site-specific glycosidation of catalase with aminated dextran. *Journal of Biotechnology*, **2006**, 122, 326-33	3.7	32
127	Amperometric aptasensor for carcinoembryonic antigen based on the use of bifunctionalized Janus nanoparticles as biorecognition-signaling element. *Analytica Chimica Acta*, **2019**, 1061, 84-91	6.6	32
126	Pyrene-adamantane-□cyclodextrin: An efficient host□guest system for the biofunctionalization of SWCNT electrodes. *Carbon*, **2011**, 49, 2571-2578	10.4	31
125	Cyclodextrin-grafted polysaccharides as supramolecular carrier systems for naproxen. *Bioorganic and Medicinal Chemistry Letters*, **2006**, 16, 1499-501	2.9	31
124	Electrochemical aptamer-based bioplatform for ultrasensitive detection of prostate specific antigen. *Sensors and Actuators B: Chemical*, **2019**, 297, 126762	8.5	30
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122	Novel enzyme biosensor for hydrogen peroxide via supramolecular associations. *Biosensors and Bioelectronics*, **2009**, 24, 2028-33	11.8	30
121	Covalent immobilization of phenylalanine dehydrogenase on cellulose membrane for biosensor construction. *Sensors and Actuators B: Chemical*, **2008**, 129, 195-199	8.5	30
120	Superoxide Dismutase Mimetic Activity of the Metal (II) Complexes of a Dithiocarbamate Derivative of □Cyclodextrin1. *Journal of Carbohydrate Chemistry*, **1995**, 14, 1379-1386	1.7	30
119	Electropolymerized network of polyamidoamine dendron-coated gold nanoparticles as novel nanostructured electrode surface for biosensor construction. *Analyst, The*, **2012**, 137, 342-8	5	29
118	Amperometric enzyme biosensor for hydrogen peroxide via Ugi multicomponent reaction. *Electrochemistry Communications*, **2007**, 9, 1655-1660	5.1	29
117	Chemical conjugation of trypsin with monoamine derivatives of cyclodextrins. *Enzyme and Microbial Technology*, **2002**, 31, 543-548	3.8	29
116	Stabilization of □amylase by chemical modification with carboxymethylcellulose. *Journal of Chemical Technology and Biotechnology*, **1999**, 74, 635-638	3.5	29
115	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	8.5	29
114	Polyelectrostatic immobilization of gold nanoparticles-modified peroxidase on alginate-coated gold electrode for mediatorless biosensor construction. *Journal of Electroanalytical Chemistry*, **2009** , 629, 126-132	4.1	28
113	Polyelectrolyte complex formation mediated immobilization of chitosan-invertase neoglycoconjugate on pectin-coated chitin. *Bioprocess and Biosystems Engineering*, **2006**, 28, 387-95	3.7	28
112	Stimulus-responsive nanomotors based on gated enzyme-powered Janus Au-mesoporous silica nanoparticles for enhanced cargo delivery. *Chemical Communications*, **2019**, 55, 13164-13167	5.8	28
111	Supramolecular immobilization of redox enzymes on cyclodextrin-coated magnetic nanoparticles for biosensing applications. *Journal of Colloid and Interface Science*, **2012**, 386, 181-8	9.3	27

110	Ultrafast Directional Janus Pt-Mesoporous Silica Nanomotors for Smart Drug Delivery. *ACS Nano*, **2021**, 15, 4467-4480	16.7	27
109	Novel reduced graphene oxide-glycol chitosan nanohybrid for the assembly of an amperometric enzyme biosensor for phenols. *Analyst, The*, **2016**, 141, 4162-9	5	27
108	An Interactive Model of Communication between Abiotic Nanodevices and Microorganisms. *Angewandte Chemie - International Edition*, **2019**, 58, 14986-14990	16.4	26
107	Improved functional properties of trypsin modified by monosubstituted amino-□cyclodextrins. *Journal of Molecular Catalysis B: Enzymatic*, **2003**, 21, 133-141		26
106	Mesoporous silica thin film mechanized with a DNAzyme-based molecular switch for electrochemical biosensing. *Electrochemistry Communications*, **2015**, 58, 57-61	5.1	25
105	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	8.5	25
104	Nanochannel-based electrochemical assay for transglutaminase activity. *Chemical Communications*, **2014**, 50, 13356-8	5.8	25
103	An electrochemical immunosensor for adiponectin using reduced graphene oxide□carboxymethylcellulose hybrid as electrode scaffold. *Sensors and Actuators B: Chemical*, **2016**, 223, 89-94	8.5	24
102	□Chymotrypsin stabilization by chemical conjugation with O-carboxymethyl-poly-□cyclodextrin. *Process Biochemistry*, **2004**, 39, 535-539	4.8	24
101	Stabilization of trypsin by chemical modification with □cyclodextrin monoaldehyde. *Biotechnology Letters*, **2002**, 24, 1455-1459	3	24
100	Estrogen receptor □determination in serum, cell lysates and breast cancer cells using an amperometric magnetoimmunosensing platform. *Sensing and Bio-Sensing Research*, **2016**, 7, 71-76	3.3	23
99	Neoglycoenzyme-Gated Mesoporous Silica Nanoparticles: Toward the Design of Nanodevices for Pulsatile Programmed Sequential Delivery. *ACS Applied Materials & Interfaces*, **2016**, 8, 7657-65	9.5	22
98	Antioxidative properties of copper(II) complexes¶View all notes. *Journal of Coordination Chemistry*, **2009**, 62, 100-107	1.6	22
97	Improved anti-inflammatory and pharmacokinetic properties for superoxide dismutase by chemical glycosidation with carboxymethylchitin. *Macromolecular Bioscience*, **2005**, 5, 118-23	5.5	22
96	Water-Soluble Reduced Graphene Oxide□Carboxymethylcellulose Hybrid Nanomaterial for Electrochemical Biosensor Design. *ChemPlusChem*, **2014**, 79, 1334-1341	2.8	21
95	Effect of □cyclodextrin-polysucrose polymer on the stability properties of soluble trypsin. *Enzyme and Microbial Technology*, **2004**, 34, 78-82	3.8	21
94	Dendrimers as Soft Nanomaterials for Electrochemical Immunosensors. *Nanomaterials*, **2019**, 9,	5.4	21
93	Enzyme-Controlled Nanodevice for Acetylcholine-Triggered Cargo Delivery Based on Janus Au-Mesoporous Silica Nanoparticles. *Chemistry - A European Journal*, **2017**, 23, 4276-4281	4.8	20

92	Single-Walled Carbon Nanotubes/Au Mesoporous Silica Janus Nanoparticles as Building Blocks for the Preparation of a Bienzyme Biosensor. *ChemElectroChem*, **2015**, 2, 1735-1741	4.3	20
91	Structure/function relationships of several biopolymers as related to invertase stability in dehydrated systems. *Biomacromolecules*, **2008**, 9, 741-7	6.9	20
90	Supramolecular interactions mediated thermal stabilization for amylase modified with a cyclodextrin-carboxymethylcellulose polymer. *Biotechnology Letters*, **2002**, 24, 1665-1668	3	20
89	Janus Gold Nanostars-Mesoporous Silica Nanoparticles for NIR-Light-Triggered Drug Delivery. *Chemistry - A European Journal*, **2019**, 25, 8471-8478	4.8	19
88	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, 3773-81	4.4	19
87	Functional properties and application in peptide synthesis of trypsin modified with cyclodextrin-containing dicarboxylic acids. *Journal of Molecular Catalysis B: Enzymatic*, **2004**, 31, 47-52		19
86	Functional stabilization of trypsin by conjugation with beta-cyclodextrin-modified carboxymethylcellulose. *Preparative Biochemistry and Biotechnology*, **2003**, 33, 53-66	2.4	19
85	Chemical glycosidation of trypsin with O-carboxymethyl-poly-beta-cyclodextrin: catalytic and stability properties. *Biotechnology and Applied Biochemistry*, **2005**, 41, 217-23	2.8	19
84	Thermal stabilization of trypsin with glycol chitosan. *Journal of Molecular Catalysis B: Enzymatic*, **2005**, 34, 14-17		19
83	Supramolecular-mediated immobilization of L-phenylalanine dehydrogenase on cyclodextrin-coated Au electrodes for biosensor applications. *Biotechnology Letters*, **2007**, 29, 447-52	3	18
82	Improved anti-inflammatory properties for naproxen with cyclodextrin-grafted polysaccharides. *Macromolecular Bioscience*, **2006**, 6, 555-61	5.5	18
81	Supramolecular-mediated thermostabilization of phenylalanine dehydrogenase modified with cyclodextrin derivatives. *Biochemical Engineering Journal*, **2006**, 30, 26-32	4.2	18
80	Neoglycoenzymes. *Chemical Reviews*, **2014**, 114, 4868-917	68.1	17
79	A Layer-by-Layer Biosensing Architecture Based on Polyamidoamine Dendrimer and Carboxymethylcellulose-Modified Graphene Oxide. *Electroanalysis*, **2015**, 27, 2131-2138	3	17
78	Partial purification and properties of cyclodextrin glycosiltransferase (CGTase) from alkalophilic Bacillus species. *SpringerPlus*, **2012**, 1, 61		17
77	Preparation of thermostable trypsin polysaccharide neoglycoenzymes through Ugi multicomponent reaction. *Journal of Molecular Catalysis B: Enzymatic*, **2009**, 59, 126-130		17
76	Effects of beta-cyclodextrin-dextran polymer on stability properties of trypsin. *Biotechnology and Bioengineering*, **2003**, 83, 743-7	4.9	17
75	Label-free electrochemical genosensor based on mesoporous silica thin film. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 7321-7	4.4	17

74	Gold nanoparticles-decorated silver-bipyridine nanobelts for the construction of mediatorless hydrogen peroxide biosensor. *Journal of Colloid and Interface Science*, **2016**, 482, 105-111	9.3	17
73	Amperometric magnetobiosensors using poly(dopamine)-modified Fe3O4 magnetic nanoparticles for the detection of phenolic compounds. *Analytical Methods*, **2015**, 7, 8801-8808	3.2	16
72	Au-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	7.3	16
71	Determination of SOD-Like activity of Copper(II) complexes with Amino acid dithiocarbamates. *Journal of Inorganic Biochemistry*, **1997**, 66, 213-217	4.2	16
70	Stabilization of chymotrypsin by chemical modification with monoamine cyclodextrin. *Process Biochemistry*, **2005**, 40, 2091-2094	4.8	16
69	Glycosidation of cu,zn-superoxide dismutase with end-group aminated dextran: pharmacological and pharmacokinetics properties. *Macromolecular Bioscience*, **2005**, 5, 1220-5	5.5	16
68	Cyclodextrin modifications as related to enzyme stability in dehydrated systems: Supramolecular transitions and molecular interactions. *Carbohydrate Polymers*, **2011**, 83, 203-209	10.3	15
67	Bienzymatic supramolecular complex of catalase modified with cyclodextrin-branched carboxymethylcellulose and superoxide dismutase: stability and anti-inflammatory properties. *Macromolecular Bioscience*, **2007**, 7, 70-5	5.5	15
66	Immobilizing Cu,Zn-superoxide dismutase in hydrogels of carboxymethylcellulose improves its stability and wound healing properties. *Biochemistry (Moscow)*, **2006**, 71, 1324-8	2.9	15
65	Disposable electrochemical immunosensor for Brettanomyces bruxellensis based on nanogold-reduced graphene oxide hybrid nanomaterial. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 5667-5674	4.4	14
64	Stabilization of alpha-chymotrypsin by modification with beta-cyclodextrin derivatives. *Biotechnology and Applied Biochemistry*, **2002**, 36, 235-9	2.8	14
63	Toward chemical communication between nanodevices. *Nano Today*, **2018**, 18, 8-11	17.9	13
62	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	9.5	13
61	First Occurrence of Tetrazines in Aqueous Solution: Electrochemistry and Fluorescence. *ChemPhysChem*, **2015**, 16, 3695-9	3.2	13
60	IMMOBILIZATION OF INVERTASE–CHITOSAN CONJUGATE ON HYALURONIC-ACID-MODIFIED CHITIN. *Journal of Food Biochemistry*, **2008**, 32, 264-277	3.3	13
59	Increased conformational and thermal stability properties for phenylalanine dehydrogenase by chemical glycosidation with end-group activated dextran. *Biotechnology Letters*, **2005**, 27, 1311-7	3	13
58	Invertase Stabilization by Chemical Modification of Sugar Chains with Carboxymethylcellulose. *Journal of Bioactive and Compatible Polymers*, **2002**, 17, 161-172	2	13
57	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	6.7	12

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51	Transglutaminase-catalysed glycosidation of trypsin with aminated polysaccharides. *World Journal of Microbiology and Biotechnology*, **2006**, 22, 595-602	4.4	11
50	Seed-mediated growth of jack-shaped gold nanoparticles from cyclodextrin-coated gold nanospheres. *Dalton Transactions*, **2013**, 42, 14309-14	4.3	10
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45	Towards nanomedicine with a supramolecular approach: a review. *IET Nanobiotechnology*, **2005**, 152, 159-64		9
44	Anti-inflammatory properties of superoxide dismutase modified with carboxymetil-cellulose polymer and hydrogel. *Journal of Materials Science: Materials in Medicine*, **2006**, 17, 427-35	4.5	9
43	Gold nanoparticles/silver-bipyridine hybrid nanobelts with tuned peroxidase-like activity. *RSC Advances*, **2016**, 6, 74957-74960	3.7	9
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40	A chemical circular communication network at the nanoscale. *Chemical Science*, **2020**, 12, 1551-1559	9.4	9
39	Janus nanocarrier powered by bi-enzymatic cascade system for smart delivery. *Journal of Materials Chemistry B*, **2019**, 7, 4669-4676	7.3	8

38	Immobilization of Xanthine Oxidase on Carbon Nanotubes Through Double Supramolecular Junctions for Biosensor Construction. *Electroanalysis*, **2011**, 23, 1790-1796	3	8
37	Solubilization and stabilization of sodium dicloxacillin by cyclodextrin inclusion. *Current Drug Discovery Technologies*, **2008**, 5, 140-5	1.5	8
36	Improved Pharmacological Properties for Superoxide Dismutase Modified with Carboxymethycellulose. *Journal of Bioactive and Compatible Polymers*, **2005**, 20, 557-570	2	8
35	Amperometric aptasensor for carcinoembryonic antigen based on a reduced graphene oxide/gold nanoparticles modified electrode. *Journal of Electroanalytical Chemistry*, **2020**, 877, 114511	4.1	7
34	Amperometric xanthine biosensors using glassy carbon electrodes modified with electrografted porous silica nanomaterials loaded with xanthine oxidase. *Mikrochimica Acta*, **2016**, 183, 2023-2030	5.8	7
33	Dithioacetal-mechanized mesoporous nanosensor for Hg(II) determination. *Microporous and Mesoporous Materials*, **2020**, 297, 110054	5.3	6
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31	Polyethylene glycol-based low generation dendrimers functionalized with β-cyclodextrin as cryo- and dehydro-protectant of catalase formulations. *Biotechnology Progress*, **2013**, 29, 786-95	2.8	6
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