

Ramón Martínez Martínez

List of Publications by Year in descending order

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534
papers

29,172
citations

6233

80
h-index

8599

146
g-index

588
all docs

588
docs citations

588
times ranked

21544
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipofuscin labeling through biorthogonal strain-promoted azide-alkyne cycloaddition for the detection of senescent cells. <i>FEBS Journal</i> , 2023, 290, 1314-1325.	2.2	3
2	Synthesis and fluorescence sensing of energetic materials using benzenesulfonic acid-doped polyaniline. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 8551-8565.	1.1	7
3	Phosphorogenic dipyrinato-iridium(III) complexes as photosensitizers for photodynamic therapy. <i>Dyes and Pigments</i> , 2022, 197, 109886.	2.0	3
4	Horseradish Peroxidase-Functionalized Gold Nanoconjugates for Breast Cancer Treatment Based on Enzyme Prodrug Therapy. <i>International Journal of Nanomedicine</i> , 2022, Volume 17, 409-422.	3.3	5
5	Fluorogenic Detection of Human Serum Albumin Using Curcumin-Capped Mesoporous Silica Nanoparticles. <i>Molecules</i> , 2022, 27, 1133.	1.7	6
6	Validation of an automated system for the experimentation of photothermal therapies on cell cultures. <i>Sensors and Actuators A: Physical</i> , 2022, 337, 113426.	2.0	0
7	Growth, crystal structure, Hirshfeld surface analysis, DFT studies, physicochemical characterization, and cytotoxicity assays of novel organic triphosphate. <i>Journal of Molecular Modeling</i> , 2022, 28, 65.	0.8	13
8	Nanoprogrammed Cross-Kingdom Communication Between Living Microorganisms. <i>Nano Letters</i> , 2022, 22, 1836-1844.	4.5	8
9	Monofloral honey authentication by voltammetric electronic tongue: A comparison with ¹ H NMR spectroscopy. <i>Food Chemistry</i> , 2022, 383, 132460.	4.2	14
10	Immunochemical Design of Antibody-Gated Indicator Delivery (gAID) Systems Based on Mesoporous Silica Nanoparticles. <i>ACS Applied Nano Materials</i> , 2022, 5, 626-641.	2.4	4
11	Hollow mesoporous silica nanoparticles: Effective silica etching using tri-di- and mono-valent cations. <i>Materials Science and Engineering C</i> , 2022, 133, 112621.	3.8	6
12	Development of Geometry-Controlled All-Orthogonal BODIPY Trimers for Photodynamic Therapy and Phototheragnosis. <i>Organic Letters</i> , 2022, 24, 3636-3641.	2.4	11
13	Pharmacological senolysis reduces doxorubicin-induced cardiotoxicity and improves cardiac function in mice. <i>Pharmacological Research</i> , 2022, 183, 106356.	3.1	26
14	Biocompatibility and internalization assessment of bare and functionalised mesoporous silica nanoparticles. <i>Microporous and Mesoporous Materials</i> , 2021, 310, 110593.	2.2	17
15	A Nanoprobe Based on Gated Mesoporous Silica Nanoparticles for The Selective and Sensitive Detection of Benzene Metabolite t,â€Muconic Acid in Urine. <i>Chemistry - A European Journal</i> , 2021, 27, 1306-1310.	1.7	6
16	Engineering chemical communication between micro/nanosystems. <i>Chemical Society Reviews</i> , 2021, 50, 8829-8856.	18.7	27
17	Aerogels as promising materials for antibacterial applications: a mini-review. <i>Biomaterials Science</i> , 2021, 9, 7034-7048.	2.6	15
18	A new 8-oxo-7,8-â€deoxyguanosine nanoporous anodic alumina aptasensor for colorectal cancer diagnosis in blood and urine. <i>Nanoscale</i> , 2021, 13, 8648-8657.	2.8	5

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19	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
20	Metal Complexes as Sensors. , 2021, , 181-203.		2
21	Oligonucleotide-capped nanoporous anodic alumina biosensor as diagnostic tool for rapid and accurate detection of <i>Candida auris</i> in clinical samples. <i>Emerging Microbes and Infections</i> , 2021, 10, 407-415.	3.0	15
22	Chromo-fluorogenic probes for β -galactosidase detection. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2361-2388.	1.9	16
23	Nanoporous Anodic Alumina-Based Sensor for miR-99a-5p Detection as an Effective Early Breast Cancer Diagnostic Tool. <i>ACS Sensors</i> , 2021, 6, 1022-1029.	4.0	10
24	A fluorogenic capped mesoporous aptasensor for gluten detection. <i>Analytica Chimica Acta</i> , 2021, 1147, 178-186.	2.6	13
25	Ultrafast Directional Janus Pt@Mesoporous Silica Nanomotors for Smart Drug Delivery. <i>ACS Nano</i> , 2021, 15, 4467-4480.	7.3	88
26	Understanding of mechanistic perspective in sensing of energetic nitro compounds through spectroscopic and electrochemical studies. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50776.	1.3	8
27	Towards the Enhancement of Essential Oil Components' Antimicrobial Activity Using New Zein Protein-Gated Mesoporous Silica Microdevices. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3795.	1.8	12
28	Gene-Directed Enzyme Prodrug Therapy by Dendrimer-Like Mesoporous Silica Nanoparticles against Tumor Cells. <i>Nanomaterials</i> , 2021, 11, 1298.	1.9	6
29	Secreted Enzyme-Responsive System for Controlled Antifungal Agent Release. <i>Nanomaterials</i> , 2021, 11, 1280.	1.9	5
30	The Effectiveness of Glutathione Redox Status as a Possible Tumor Marker in Colorectal Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6183.	1.8	11
31	Lactose-Gated Mesoporous Silica Particles for Intestinal Controlled Delivery of Essential Oil Components: An In Vitro and In Vivo Study. <i>Pharmaceutics</i> , 2021, 13, 982.	2.0	5
32	Senolysis Reduces Senescence in Veins and Cancer Cell Migration. <i>Advanced Therapeutics</i> , 2021, 4, 2100149.	1.6	6
33	The Role Of Polyvinylpyrrolidone as a Potential Fluorophore for the Detection Of Nitroaromatic Explosives.. <i>Current Chinese Chemistry</i> , 2021, 01, .	0.3	1
34	Targeted-lung delivery of dexamethasone using gated mesoporous silica nanoparticles. A new therapeutic approach for acute lung injury treatment. <i>Journal of Controlled Release</i> , 2021, 337, 14-26.	4.8	28
35	Sucrose-Responsive Intercommunicated Janus Nanoparticles Network. <i>Nanomaterials</i> , 2021, 11, 2492.	1.9	6
36	Low-cost silica xerogels as potential adsorbents for ciprofloxacin removal. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 22, 100483.	1.6	15

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37	A gated material as immunosensor for in-tissue detection of IDH1-R132H mutation in gliomas. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130406.	4.0	2
38	Mesoporous silica nanoparticles for pulmonary drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2021, 177, 113953.	6.6	64
39	pH-Dependent Molecular Gate Mesoporous Microparticles for Biological Control of <i>Giardia intestinalis</i> . <i>Pharmaceutics</i> , 2021, 13, 94.	2.0	3
40	A Two-Photon Probe Based on Naphthalimide-Styrene Fluorophore for the <i>In Vivo</i> Tracking of Cellular Senescence. <i>Analytical Chemistry</i> , 2021, 93, 3052-3060.	3.2	29
41	A chemical circular communication network at the nanoscale. <i>Chemical Science</i> , 2021, 12, 1551-1559.	3.7	20
42	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
43	Influence of the functionalisation of mesoporous silica material UVM-7 on polyphenol oxidase enzyme capture and enzymatic browning. <i>Food Chemistry</i> , 2020, 310, 125741.	4.2	11
44	New Advances in In Vivo Applications of Gated Mesoporous Silica as Drug Delivery Nanocarriers. <i>Small</i> , 2020, 16, e1902242.	5.2	101
45	Triplex Hybridization-Based Nanosystem for the Rapid Screening of <i>Pneumocystis Pneumonia</i> in Clinical Samples. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 292.	1.5	6
46	Antibacterial Activity of Linezolid against Gram-Negative Bacteria: Utilization of μ -Poly-L-Lysine Capped Silica Xerogel as an Activating Carrier. <i>Pharmaceutics</i> , 2020, 12, 1126.	2.0	11
47	Surfactant-Triggered Molecular Gate Tested on Different Mesoporous Silica Supports for Gastrointestinal Controlled Delivery. <i>Nanomaterials</i> , 2020, 10, 1290.	1.9	8
48	A 1-to-2 demultiplexer hybrid nanocarrier for cargo delivery and activation. <i>Chemical Communications</i> , 2020, 56, 9974-9977.	2.2	2
49	MUC1 Aptamer-Capped Mesoporous Silica Nanoparticles for Navitoclax Resistance Overcoming in Triple-Negative Breast Cancer. <i>Chemistry - A European Journal</i> , 2020, 26, 16318-16327.	1.7	16
50	A Sensitive Nanosensor for the In Situ Detection of the Cannibal Drug. <i>ACS Sensors</i> , 2020, 5, 2966-2972.	4.0	7
51	Protection against chemical submission: naked-eye detection of γ -hydroxybutyric acid (GHB) in soft drinks and alcoholic beverages. <i>Chemical Communications</i> , 2020, 56, 12600-12603.	2.2	12
52	New Insights of Oral Colonic Drug Delivery Systems for Inflammatory Bowel Disease Therapy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6502.	1.8	43
53	Multiplexed Detection of Analytes on Single Test Strips with Antibody-Gated Indicator-Releasing Mesoporous Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23862-23869.	7.2	32
54	Multiplex-Nachweis von Analyten auf einem einzelnen Teststreifen mit Antikörper-gesteuerten und Indikator freisetzenden mesoporsenen Nanopartikeln. <i>Angewandte Chemie</i> , 2020, 132, 24071-24078.	1.6	5

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55	Peptide-Capped Mesoporous Nanoparticles: Toward a more Efficient Internalization of Alendronate. <i>ChemistrySelect</i> , 2020, 5, 3618-3625.	0.7	2
56	Electro-responsive films containing voltage responsive gated mesoporous silica nanoparticles grafted onto PEDOT-based conducting polymer. <i>Journal of Controlled Release</i> , 2020, 323, 421-430.	4.8	20
57	Nanoparticle-cell nanoparticle communication by stigmergy to enhance poly(I:C) induced apoptosis in cancer cells. <i>Chemical Communications</i> , 2020, 56, 7273-7276.	2.2	7
58	Real-Time In Vivo Detection of Cellular Senescence through the Controlled Release of the NIR Fluorescent Dye Nile Blue. <i>Angewandte Chemie</i> , 2020, 132, 15264-15268.	1.6	3
59	Real-Time In Vivo Detection of Cellular Senescence through the Controlled Release of the NIR Fluorescent Dye Nile Blue. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15152-15156.	7.2	37
60	Gold Nanoparticle-Assisted Virus Formation by Means of the Delivery of an Oncolytic Adenovirus Genome. <i>Nanomaterials</i> , 2020, 10, 1183.	1.9	7
61	Mechanistic Insight into the Turn-Off Sensing of Nitroaromatic Compounds Employing Functionalized Polyaniline. <i>ChemistrySelect</i> , 2020, 5, 6321-6330.	0.7	9
62	Study of Fishmeal Substitution on Growth Performance and Shelf-Life of Giltheadsea Bream (<i>Sparus aurata</i>). <i>Fishes</i> , 2020, 5, 15.	0.7	2
63	Senescence and the Impact on Biodistribution of Different Nanosystems: the Discrepancy on Tissue Deposition of Graphene Quantum Dots, Polycaprolactone Nanoparticle and Magnetic Mesoporous Silica Nanoparticles in Young and Elder Animals. <i>Pharmaceutical Research</i> , 2020, 37, 40.	1.7	16
64	Nanosensor for Sensitive Detection of the New Psychedelic Drug 25I-NBOMe. <i>Chemistry - A European Journal</i> , 2020, 26, 2813-2816.	1.7	11
65	Molecular and Cellular Risk Assessment of Healthy Human Cells and Cancer Human Cells Exposed to Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2020, 21, 230.	1.8	16
66	Dithioacetal-mechanized mesoporous nanosensor for Hg(II) determination. <i>Microporous and Mesoporous Materials</i> , 2020, 297, 110054.	2.2	13
67	Lab and Pilot-Scale Synthesis of MxOm@SiC Core-Shell Nanoparticles. <i>Materials</i> , 2020, 13, 649.	1.3	2
68	An enzyme-controlled Janus nanomachine for on-command dual and sequential release. <i>Chemical Communications</i> , 2020, 56, 6440-6443.	2.2	9
69	Galactose-conjugation of Navitoclax as an efficient strategy to increase senolytic specificity and reduce platelet toxicity. <i>Aging Cell</i> , 2020, 19, e13142.	3.0	131
70	Preclinical antitumor efficacy of senescence-inducing chemotherapy combined with a nanoSenolytic. <i>Journal of Controlled Release</i> , 2020, 323, 624-634.	4.8	64
71	Aptamer-Capped nanoporous anodic alumina for <i>Staphylococcus aureus</i> detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128281.	4.0	31
72	Novel Probes and Carriers to Target Senescent Cells. <i>Healthy Ageing and Longevity</i> , 2020, , 163-180.	0.2	2

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73	Halogen-containing BODIPY derivatives for photodynamic therapy. <i>Dyes and Pigments</i> , 2019, 160, 198-207.	2.0	46
74	An Interactive Model of Communication between Abiotic Nanodevices and Microorganisms. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14986-14990.	7.2	40
75	An Interactive Model of Communication between Abiotic Nanodevices and Microorganisms. <i>Angewandte Chemie</i> , 2019, 131, 15128-15132.	1.6	4
76	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
77	Urinary Metabolic Signatures Detect Recurrences in Non-Muscle Invasive Bladder Cancer. <i>Cancers</i> , 2019, 11, 914.	1.7	19
78	A NIR light-triggered drug delivery system using core-shell gold nanostars-mesoporous silica nanoparticles based on multiphoton absorption photo-dissociation of 2-nitrobenzyl PEG. <i>Chemical Communications</i> , 2019, 55, 9039-9042.	2.2	27
79	New Oleic Acid-Capped Mesoporous Silica Particles as Surfactant-Responsive Delivery Systems. <i>ChemistryOpen</i> , 2019, 8, 1052-1056.	0.9	7
80	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
81	Enzyme-Powered Gated Mesoporous Silica Nanomotors for On-Command Intracellular Payload Delivery. <i>ACS Nano</i> , 2019, 13, 12171-12183.	7.3	121
82	Avidin-gated mesoporous silica nanoparticles for signal amplification in electrochemical biosensor. <i>Electrochemistry Communications</i> , 2019, 108, 106556.	2.3	20
83	Simple Endotoxin Detection Using Polymyxin-B-Gated Nanoparticles. <i>Chemistry - A European Journal</i> , 2019, 25, 3770-3774.	1.7	8
84	The efficacy of essential oil components loaded into montmorillonite against <i>Aspergillus niger</i> and <i>Staphylococcus aureus</i> . <i>Flavour and Fragrance Journal</i> , 2019, 34, 151-162.	1.2	22
85	Not always what closes best opens better: mesoporous nanoparticles capped with organic gates. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 699-709.	2.8	3
86	The chemistry of senescence. <i>Nature Reviews Chemistry</i> , 2019, 3, 426-441.	13.8	88
87	2,4,5-Triaryl imidazole probes for the selective chromo-fluorogenic detection of Cu(II). Prospective use of the Cu(II) complexes for the optical recognition of biothiols. <i>Polyhedron</i> , 2019, 170, 388-394.	1.0	10
88	Integrative Metabolomic and Transcriptomic Analysis for the Study of Bladder Cancer. <i>Cancers</i> , 2019, 11, 686.	1.7	31
89	Janus Gold Nanostars-Mesoporous Silica Nanoparticles for NIR-Light-Triggered Drug Delivery. <i>Chemistry - A European Journal</i> , 2019, 25, 8471-8478.	1.7	30
90	Mesoporous Silica-Based Materials with Bactericidal Properties. <i>Small</i> , 2019, 15, e1900669.	5.2	125

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91	Double Drug Delivery Using Capped Mesoporous Silica Microparticles for the Effective Treatment of Inflammatory Bowel Disease. <i>Molecular Pharmaceutics</i> , 2019, 16, 2418-2429.	2.3	18
92	Selective and Sensitive Probe Based in Oligonucleotide-Capped Nanoporous Alumina for the Rapid Screening of Infection Produced by <i>Candida albicans</i> . <i>ACS Sensors</i> , 2019, 4, 1291-1298.	4.0	38
93	Acetylcholine-responsive cargo release using acetylcholinesterase-capped nanomaterials. <i>Chemical Communications</i> , 2019, 55, 5785-5788.	2.2	10
94	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
95	Combining magnetic hyperthermia and dual T_1/T_2 MR imaging using highly versatile iron oxide nanoparticles. <i>Dalton Transactions</i> , 2019, 48, 3883-3892.	1.6	38
96	<i>N,N</i> -Diphenylanilino-heterocyclic aldehyde-based chemosensors for UV-vis/NIR and fluorescence Cu(II) detection. <i>New Journal of Chemistry</i> , 2019, 43, 7393-7402.	1.4	14
97	A Colorimetric Probe for the Selective Detection of Norepinephrine Based on a Double Molecular Recognition with Functionalized Gold Nanoparticles. <i>ACS Applied Nano Materials</i> , 2019, 2, 1367-1373.	2.4	35
98	Efficacy of budesonide-loaded mesoporous silica microparticles capped with a bulky azo derivative in rats with TNBS-induced colitis. <i>International Journal of Pharmaceutics</i> , 2019, 561, 93-101.	2.6	12
99	Electrospun Antimicrobial Films of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Containing Eugenol Essential Oil Encapsulated in Mesoporous Silica Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 227.	1.9	85
100	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.	2.2	46
101	Overview of the Evolution of Silica-Based Chromo-Fluorogenic Nanosensors. <i>Sensors</i> , 2019, 19, 5138.	2.1	12
102	Highly Sensitive and Selective Molecular Probes for Chromo-Fluorogenic Sensing of Carbon Monoxide in Air, Aqueous Solution and Cells. <i>Chemistry - A European Journal</i> , 2019, 25, 2069-2081.	1.7	38
103	Colorimetric detection of normetanephrine, a pheochromocytoma biomarker, using bifunctionalised gold nanoparticles. <i>Analytica Chimica Acta</i> , 2019, 1056, 146-152.	2.6	25
104	Microalgae degradation follow up by voltammetric electronic tongue, impedance spectroscopy and NMR spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 44-52.	4.0	11
105	A simple and easy-to-prepare imidazole-based probe for the selective chromo-fluorogenic recognition of biothiols and Cu(II) in aqueous environments. <i>Dyes and Pigments</i> , 2019, 162, 303-308.	2.0	32
106	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.	1.7	11
107	Magnetic core mesoporous silica nanoparticles doped with dacarbazine and labelled with ^{99m}Tc for early and differential detection of metastatic melanoma by single photon emission computed tomography. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1080-1087.	1.9	21
108	Cytotoxicity, genotoxicity, transplacental transfer and tissue disposition in pregnant rats mediated by nanoparticles: the case of magnetic core mesoporous silica nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 527-538.	1.9	28

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109	11B-MAS NMR approach to the boron adsorption mechanism on a glucose-functionalised mesoporous silica matrix. <i>Microporous and Mesoporous Materials</i> , 2018, 266, 232-241.	2.2	14
110	Indirect calculation of monoclonal antibodies in nanoparticles using the radiolabeling process with technetium 99 metastable as primary factor: Alternative methodology for the entrapment efficiency. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 153, 90-94.	1.4	9
111	A dual channel sulphur-containing a macrocycle functionalised BODIPY probe for the detection of Hg(II) in a mixed aqueous solution. <i>New Journal of Chemistry</i> , 2018, 42, 7863-7868.	1.4	21
112	Anilinopyridine-metal complexes for the selective chromogenic sensing of cyanide anion. <i>Journal of Coordination Chemistry</i> , 2018, 71, 786-796.	0.8	7
113	Gated Porous Materials for Biomedical Applications. From <i>Biomaterials Towards Medical Devices</i> , 2018, , 113-183.	0.0	1
114	Future Perspective on the Smart Delivery of Biomolecules. From <i>Biomaterials Towards Medical Devices</i> , 2018, , 363-371.	0.0	2
115	Toward chemical communication between nanodevices. <i>Nano Today</i> , 2018, 18, 8-11.	6.2	15
116	Full inhibition of enzymatic browning in the presence of thiol-functionalised silica nanomaterial. <i>Food Chemistry</i> , 2018, 241, 199-205.	4.2	23
117	Nanocarriers as phototherapeutic drug delivery system: Appraisal of three different nanosystems in an in vivo and in vitro exploratory study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 21, 43-49.	1.3	15
118	Polyllysine-Capped Mesoporous Silica Nanoparticles as Carrier of the C9h Peptide to Induce Apoptosis in Cancer Cells. <i>Chemistry - A European Journal</i> , 2018, 24, 1890-1897.	1.7	29
119	Selective and sensitive colorimetric detection of the neurotransmitter serotonin based on the aggregation of bifunctionalised gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 829-835.	4.0	46
120	Lectin-gated and glycan functionalized mesoporous silica nanocontainers for targeting cancer cells overexpressing Lewis X antigen. <i>Nanoscale</i> , 2018, 10, 239-249.	2.8	23
121	Recent advances on intelligent packaging as tools to reduce food waste. <i>Journal of Cleaner Production</i> , 2018, 172, 3398-3409.	4.6	198
122	In loco retention effect of magnetic core mesoporous silica nanoparticles doped with trastuzumab as intralesional nanodrug for breast cancer. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 725-733.	1.9	8
123	Antimicrobial activity of commercial calcium phosphate based materials functionalized with vanillin. <i>Acta Biomaterialia</i> , 2018, 81, 293-303.	4.1	21
124	Biocompatible Phenylboronic-Acid-Capped ZnS Nanocrystals Designed As Caps in Mesoporous Silica Hybrid Materials for on-Demand pH-Triggered Release In Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34029-34038.	4.0	13
125	Anchoring Gated Mesoporous Silica Particles to Ethylene Vinyl Alcohol Films for Smart Packaging Applications. <i>Nanomaterials</i> , 2018, 8, 865.	1.9	9
126	Mesoporous Bioactive Glasses Equipped with Stimuli-Responsive Molecular Gates for Controlled Delivery of Levofloxacin against Bacteria. <i>Chemistry - A European Journal</i> , 2018, 24, 18944-18951.	1.7	19

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127	Design of oligonucleotide-capped mesoporous silica nanoparticles for the detection of miRNA-145 by duplex and triplex formation. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 598-603.	4.0	15
128	A voltammetric e-tongue tool for the emulation of the sensorial analysis and the discrimination of vegetal milks. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 231-238.	4.0	32
129	Toxicological assessment of mesoporous silica particles in the nematode <i>Caenorhabditis elegans</i> . <i>Environmental Research</i> , 2018, 166, 61-70.	3.7	24
130	Functionalized Silica Nanomaterials as a New Tool for New Industrial Applications. , 2018, , 165-196.		3
131	Chromogenic and Fluorogenic Probes for the Detection of Illicit Drugs. <i>ChemistryOpen</i> , 2018, 7, 401-428.	0.9	31
132	Drug Delivery Nanosystems for the Localized Treatment of Glioblastoma Multiforme. <i>Materials</i> , 2018, 11, 779.	1.3	71
133	Gold Nanostars Coated with Mesoporous Silica Are Effective and Nontoxic Photothermal Agents Capable of Gate Keeping and Laser-Induced Drug Release. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27644-27656.	4.0	57
134	Improving the Antimicrobial Power of Low-effective Antimicrobial Molecules Through Nanotechnology. <i>Journal of Food Science</i> , 2018, 83, 2140-2147.	1.5	18
135	Functional Magnetic Mesoporous Silica Microparticles Capped with an Azo-Derivative: A Promising Colon Drug Delivery Device. <i>Molecules</i> , 2018, 23, 375.	1.7	11
136	Quantitative Determination of Spring Water Quality Parameters via Electronic Tongue. <i>Sensors</i> , 2018, 18, 40.	2.1	12
137	A versatile drug delivery system targeting senescent cells. <i>EMBO Molecular Medicine</i> , 2018, 10, .	3.3	204
138	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
139	Effect of obesity on biodistribution of nanoparticles. <i>Journal of Controlled Release</i> , 2018, 281, 11-18.	4.8	22
140	Smart gated magnetic silica mesoporous particles for targeted colon drug delivery: New approaches for inflammatory bowel diseases treatment. <i>Journal of Controlled Release</i> , 2018, 281, 58-69.	4.8	39
141	Mesoporous silica microparticles gated with a bulky azo derivative for the controlled release of dyes/drugs in colon. <i>Royal Society Open Science</i> , 2018, 5, 180873.	1.1	6
142	4-(4,5-Diphenyl-1H-imidazole-2-yl)-N,N-dimethylaniline-Cu(II) complex, a highly selective probe for glutathione sensing in water-acetonitrile mixtures. <i>Dyes and Pigments</i> , 2018, 159, 45-48.	2.0	15
143	A Voltammetric Electronic Tongue for the Quantitative Analysis of Quality Parameters in Wastewater. <i>Electroanalysis</i> , 2017, 29, 1147-1153.	1.5	14
144	Targeting inflammasome by the inhibition of caspase-1 activity using capped mesoporous silica nanoparticles. <i>Journal of Controlled Release</i> , 2017, 248, 60-70.	4.8	31

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145	Selective Fluorogenic Sensing of As(III) Using Aptamer-Capped Nanomaterials. ACS Applied Materials & Interfaces, 2017, 9, 11332-11336.	4.0	64
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