

# Jesus M De La Fuente

## List of Publications by Citations

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245  
papers

12,050  
citations

61  
h-index

102  
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265  
ext. papers

13,413  
ext. citations

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avg, IF

6.38  
L-index

#	Paper	IF	Citations
245	Surface Functionalization of Nanoparticles with Polyethylene Glycol: Effects on Protein Adsorption and Cellular Uptake. <i>ACS Nano</i> , <b>2015</b> , 9, 6996-7008	16.7	587
244	Permanent magnetism, magnetic anisotropy, and hysteresis of thiol-capped gold nanoparticles. <i>Physical Review Letters</i> , <b>2004</b> , 93, 087204	7.4	472
243	Gold Glyconanoparticles as Water-Soluble Polyvalent Models To Study Carbohydrate Interactions. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 2257-2261	16.4	336
242	Multifunctional Nanocarriers for diagnostics, drug delivery and targeted treatment across blood-brain barrier: perspectives on tracking and neuroimaging. <i>Particle and Fibre Toxicology</i> , <b>2010</b> , 7, 3	8.4	310
241	The challenge to relate the physicochemical properties of colloidal nanoparticles to their cytotoxicity. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 743-9	24.3	297
240	Tat peptide as an efficient molecule to translocate gold nanoparticles into the cell nucleus. <i>Bioconjugate Chemistry</i> , <b>2005</b> , 16, 1176-80	6.3	291
239	Nanoparticle penetration and transport in living pumpkin plants: in situ subcellular identification. <i>BMC Plant Biology</i> , <b>2009</b> , 9, 45	5.3	270
238	Dissecting the molecular mechanism of apoptosis during photothermal therapy using gold nanoprisms. <i>ACS Nano</i> , <b>2015</b> , 9, 52-61	16.7	260
237	Revisiting 30 years of biofunctionalization and surface chemistry of inorganic nanoparticles for nanomedicine. <i>Frontiers in Chemistry</i> , <b>2014</b> , 2, 48	5	254
236	Do inhaled carbon nanoparticles translocate directly into the circulation in humans?. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2006</b> , 173, 426-31	10.2	247
235	Glyconanoparticles: types, synthesis and applications in glycoscience, biomedicine and material science. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2006</b> , 1760, 636-51	4	232
234	Gold glyconanoparticles: synthetic polyvalent ligands mimicking glycocalyx-like surfaces as tools for glycobiological studies. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 1909-21	4.8	225
233	Design of multifunctional gold nanoparticles for in vitro and in vivo gene silencing. <i>ACS Nano</i> , <b>2012</b> , 6, 8316-24	16.7	193
232	The state of nanoparticle-based nanoscience and biotechnology: progress, promises, and challenges. <i>ACS Nano</i> , <b>2012</b> , 6, 8468-83	16.7	188
231	Controlled antibody/(bio-) conjugation of inorganic nanoparticles for targeted delivery. <i>Advanced Drug Delivery Reviews</i> , <b>2013</b> , 65, 677-88	18.5	155
230	Interfacing engineered nanoparticles with biological systems: anticipating adverse nano-bio interactions. <i>Small</i> , <b>2013</b> , 9, 1573-84	11	154
229	Gold glyconanoparticles as new tools in antiadhesive therapy. <i>ChemBioChem</i> , <b>2004</b> , 5, 291-7	3.8	151

228	Tailoring the synthesis and heating ability of gold nanoprisms for bioapplications. <i>Langmuir</i> , <b>2012</b> , 28, 8965-70	4	145
227	Breath Analysis Based on Surface-Enhanced Raman Scattering Sensors Distinguishes Early and Advanced Gastric Cancer Patients from Healthy Persons. <i>ACS Nano</i> , <b>2016</b> , 10, 8169-79	16.7	137
226	Near-Infrared Light Triggered ROS-activated Theranostic Platform based on Ce6-CPT-UCNPs for Simultaneous Fluorescence Imaging and Chemo-Photodynamic Combined Therapy. <i>Theranostics</i> , <b>2016</b> , 6, 456-69	12.1	133
225	Absorption and translocation to the aerial part of magnetic carbon-coated nanoparticles through the root of different crop plants. <i>Journal of Nanobiotechnology</i> , <b>2010</b> , 8, 26	9.4	123
224	Monosaccharides versus PEG-functionalized NPs: influence in the cellular uptake. <i>ACS Nano</i> , <b>2012</b> , 6, 1565-77	16.7	118
223	In vivo tumor targeting via nanoparticle-mediated therapeutic siRNA coupled to inflammatory response in lung cancer mouse models. <i>Biomaterials</i> , <b>2013</b> , 34, 7744-53	15.6	117
222	Taking advantage of unspecific interactions to produce highly active magnetic nanoparticle-antibody conjugates. <i>ACS Nano</i> , <b>2011</b> , 5, 4521-8	16.7	117
221	Thermodynamic evidence for Ca <sup>2+</sup> -mediated self-aggregation of Lewis X gold glyconanoparticles. A model for cell adhesion via carbohydrate-carbohydrate interaction. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 6192-7	16.4	114
220	A model system mimicking glycosphingolipid clusters to quantify carbohydrate self-interactions by surface plasmon resonance. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 1554-7	16.4	114
219	pH-Sensitive self-assembling nanoparticles for tumor near-infrared fluorescence imaging and chemo-photodynamic combination therapy. <i>Nanoscale</i> , <b>2016</b> , 8, 104-16	7.7	113
218	Gold nanoprisms as optoacoustic signal nanoamplifiers for in vivo bioimaging of gastrointestinal cancers. <i>Small</i> , <b>2013</b> , 9, 68-74	11	108
217	Adhesion Forces between Lewis(X) Determinant Antigens as Measured by Atomic Force Microscopy. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 3052-5	16.4	107
216	ROS-Responsive Mitochondria-Targeting Blended Nanoparticles: Chemo- and Photodynamic Synergistic Therapy for Lung Cancer with On-Demand Drug Release upon Irradiation with a Single Light Source. <i>Theranostics</i> , <b>2016</b> , 6, 2352-2366	12.1	107
215	Understanding carbohydrate-carbohydrate interactions by means of glyconanotechnology. <i>Glycoconjugate Journal</i> , <b>2004</b> , 21, 149-63	3	104
214	Gold-nanoparticles coated with the antimicrobial peptide esculentin-1a(1-21)NH as a reliable strategy for antipseudomonal drugs. <i>Acta Biomaterialia</i> , <b>2017</b> , 47, 170-181	10.8	97
213	Nanoparticle targeting at cells. <i>Langmuir</i> , <b>2006</b> , 22, 3286-93	4	95
212	Engineering biofunctional magnetic nanoparticles for biotechnological applications. <i>Nanoscale</i> , <b>2010</b> , 2, 1746-55	7.7	90
211	Synthesis and properties of multifunctional tetragonal Eu:GdPO <sub>4</sub> nanocubes for optical and magnetic resonance imaging applications. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 647-54	5.1	86

210	Nanoparticles for multi-modality cancer diagnosis: Simple protocol for self-assembly of gold nanoclusters mediated by gadolinium ions. <i>Biomaterials</i> , <b>2017</b> , 120, 103-114	15.6	83
209	Long-circulating PEGylated manganese ferrite nanoparticles for MRI-based molecular imaging. <i>Nanoscale</i> , <b>2015</b> , 7, 2050-9	7.7	83
208	Removal of Multiple Contaminants from Water by Polyoxometalate Supported Ionic Liquid Phases (POM-SILPs). <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1667-1670	16.4	82
207	Beyond Traditional Hyperthermia: In Vivo Cancer Treatment with Magnetic-Responsive Mesoporous Silica Nanocarriers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 12518-12525	9.5	80
206	Nuclear localization of HIV-1 tat functionalized gold nanoparticles. <i>IEEE Transactions on Nanobioscience</i> , <b>2007</b> , 6, 262-9	3.4	80
205	Applying the retro-enantio approach to obtain a peptide capable of overcoming the blood-brain barrier. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 3967-72	16.4	79
204	Effect of Surface Chemistry and Associated Protein Corona on the Long-Term Biodegradation of Iron Oxide Nanoparticles In Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 4548-4560	9.5	77
203	DNA as a molecular local thermal probe for the analysis of magnetic hyperthermia. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 11526-9	16.4	77
202	Gold Glyconanoparticles as Water-Soluble Polyvalent Models To Study Carbohydrate Interactions. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 2317-2321	3.6	77
201	A tumor microenvironment responsive biodegradable CaCO <sub>3</sub> /MnO <sub>2</sub> - based nanoplatform for the enhanced photodynamic therapy and improved PD-L1 immunotherapy. <i>Theranostics</i> , <b>2019</b> , 9, 6867-6884 <sup>12.1</sup>	12.1	76
200	Microwave-assisted synthesis of biocompatible europium-doped calcium hydroxyapatite and fluoroapatite luminescent nanospindles functionalized with poly(acrylic acid). <i>Langmuir</i> , <b>2013</b> , 29, 1985-94	4	76
199	Magnetic-Responsive Release Controlled by Hot Spot Effect. <i>Langmuir</i> , <b>2015</b> , 31, 12777-82	4	76
198	Tumor-triggered drug release from calcium carbonate-encapsulated gold nanostars for near-infrared photodynamic/photothermal combination antitumor therapy. <i>Theranostics</i> , <b>2017</b> , 7, 1650-1662 <sup>12.1</sup>	12.1	75
197	Glyco-quantum dots: a new luminescent system with multivalent carbohydrate display. <i>Tetrahedron: Asymmetry</i> , <b>2005</b> , 16, 387-391		75
196	Aggregation effects on the magnetic properties of iron oxide colloids. <i>Nanotechnology</i> , <b>2019</b> , 30, 112001 <sup>3.4</sup>	3.4	75
195	Design, preparation, and evaluation of a fixed-orientation antibody/gold-nanoparticle conjugate as an immunosensing label. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 10753-9	9.5	72
194	Paramagnetic Gd-based gold glyconanoparticles as probes for MRI: tuning relaxivities with sugars. <i>Chemical Communications</i> , <b>2009</b> , 3922-4	5.8	72
193	Shape matters: synthesis and biomedical applications of high aspect ratio magnetic nanomaterials. <i>Nanoscale</i> , <b>2015</b> , 7, 8233-60	7.7	71

192	Gold-nanobeacons for simultaneous gene specific silencing and intracellular tracking of the silencing events. <i>Biomaterials</i> , <b>2013</b> , 34, 2516-23	15.6	71
191	Designing novel nano-immunoassays: antibody orientation versus sensitivity. <i>Journal Physics D: Applied Physics</i> , <b>2010</b> , 43, 474012	3	70
190	RNA quantification using gold nanoprobe - application to cancer diagnostics. <i>Journal of Nanobiotechnology</i> , <b>2010</b> , 8, 5	9.4	68
189	Amphiphilic dendritic derivatives as nanocarriers for the targeted delivery of antimalarial drugs. <i>Biomaterials</i> , <b>2014</b> , 35, 7940-50	15.6	65
188	Surface modified Eu:GdVO <sub>4</sub> nanocrystals for optical and MRI imaging. <i>Dalton Transactions</i> , <b>2013</b> , 42, 10725-34	4.3	65
187	Polyoxometalate-Ionic Liquids (POM-ILs) as Anticorrosion and Antibacterial Coatings for Natural Stones. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14926-14931	16.4	64
186	15 years on siRNA delivery: Beyond the State-of-the-Art on inorganic nanoparticles for RNAi therapeutics. <i>Nano Today</i> , <b>2015</b> , 10, 421-450	17.9	63
185	pH-responsive gold nanoclusters-based nanoprobe for lung cancer targeted near-infrared fluorescence imaging and chemo-photodynamic therapy. <i>Acta Biomaterialia</i> , <b>2018</b> , 68, 308-319	10.8	62
184	Quantum dot and superparamagnetic nanoparticle interaction with pathogenic fungi: internalization and toxicity profile. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 9100-10	9.5	61
183	Working together: the combined application of a magnetic field and penetratin for the delivery of magnetic nanoparticles to cells in 3D. <i>ACS Nano</i> , <b>2011</b> , 5, 7910-9	16.7	60
182	Gold nanoparticles with different capping systems: an electronic and structural XAS analysis. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 8761-6	3.4	60
181	Mitochondria-targeting near-infrared light-triggered thermosensitive liposomes for localized photothermal and photodynamic ablation of tumors combined with chemotherapy. <i>Nanoscale</i> , <b>2017</b> , 9, 11103-11118	7.7	59
180	The effect of static magnetic fields and tat peptides on cellular and nuclear uptake of magnetic nanoparticles. <i>Biomaterials</i> , <b>2010</b> , 31, 4392-400	15.6	58
179	Natural Polysaccharides for siRNA Delivery: Nanocarriers Based on Chitosan, Hyaluronic Acid, and Their Derivatives. <i>Molecules</i> , <b>2019</b> , 24,	4.8	57
178	Strategies for the biofunctionalization of gold and iron oxide nanoparticles. <i>Langmuir</i> , <b>2014</b> , 30, 15057-74		57
177	Sterilization matters: consequences of different sterilization techniques on gold nanoparticles. <i>Small</i> , <b>2010</b> , 6, 89-95	11	56
176	Gold nanoprisms as a hybrid in vivo cancer theranostic platform for in situ photoacoustic imaging, angiography, and localized hyperthermia. <i>Nano Research</i> , <b>2016</b> , 9, 1043-1056	10	56
175	Cytokine induced killer cells-assisted delivery of chlorin e6 mediated self-assembled gold nanoclusters to tumors for imaging and immuno-photodynamic therapy. <i>Biomaterials</i> , <b>2018</b> , 170, 1-11	15.6	55

174	Chemical Synthesis and Magnetic Properties of Monodisperse Nickel Ferrite Nanoparticles for Biomedical Applications. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 3492-3500	3.8	55
173	Imaging inward and outward trafficking of gold nanoparticles in whole animals. <i>ACS Nano</i> , <b>2013</b> , 7, 2431-2437	4.7	55
172	Flow cytometric analysis of <i>Saccharomyces cerevisiae</i> autolytic mutants and protoplasts. <i>Yeast</i> , <b>1992</b> , 8, 39-45	3.4	54
171	Triggering antitumoural drug release and gene expression by magnetic hyperthermia. <i>Advanced Drug Delivery Reviews</i> , <b>2019</b> , 138, 326-343	18.5	54
170	Silk fibroin nanoparticles constitute a vector for controlled release of resveratrol in an experimental model of inflammatory bowel disease in rats. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 4507-20	7.3	51
169	A promising road with challenges: where are gold nanoparticles in translational research?. <i>Nanomedicine</i> , <b>2014</b> , 9, 2353-70	5.6	50
168	Fe impurities weaken the ferromagnetic behavior in Au nanoparticles. <i>Physical Review Letters</i> , <b>2006</b> , 97, 177203	7.4	50
167	Ionic liquid mediated synthesis and surface modification of multifunctional mesoporous Eu:GdF <sub>3</sub> nanoparticles for biomedical applications. <i>Langmuir</i> , <b>2013</b> , 29, 3411-8	4	47
166	High Specific Absorption Rate and Transverse Relaxivity Effects in Manganese Ferrite Nanoparticles Obtained by an Electrochemical Route. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 6828-6834	3.8	45
165	Gold and gold-iron oxide magnetic glyconanoparticles: synthesis, characterization and magnetic properties. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 13021-8	3.4	45
164	Gold Glyconanoparticles as Building Blocks for Nanomaterials Design. <i>Advanced Materials</i> , <b>2002</b> , 14, 585-24	24	45
163	Long-Circulating Drug-Dye-Based Micelles with Ultrahigh pH-Sensitivity for Deep Tumor Penetration and Superior Chemo-Photothermal Therapy. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1906309	15.6	44
162	The impact of a specific blend of essential oil components and sodium butyrate in feed on growth performance and Salmonella counts in experimentally challenged broilers. <i>Poultry Science</i> , <b>2014</b> , 93, 599-606	3.9	44
161	Plasmonic-driven thermal sensing: ultralow detection of cancer markers. <i>Chemical Communications</i> , <b>2013</b> , 49, 3676-8	5.8	41
160	Functionalized Fe <sub>3</sub> O <sub>4</sub> @Au superparamagnetic nanoparticles: in vitro bioactivity. <i>Nanotechnology</i> , <b>2012</b> , 23, 315102	3.4	40
159	Ultrathin MgO Coating of Superparamagnetic Magnetite Nanoparticles by Combined Coprecipitation and Sol-Gel Synthesis. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 451-456	9.6	39
158	The synergistic behavior of polyoxometalates and metal nanoparticles: from synthetic approaches to functional nanohybrid materials. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 18091		38
157	Gold-nanobeacons for real-time monitoring of RNA synthesis. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 36, 161-7	11.8	37

156	Protein-templated biomimetic silica nanoparticles. <i>Langmuir</i> , <b>2015</b> , 31, 3687-95	4	36
155	Glucose-functionalized Au nanoprisms for optoacoustic imaging and near-infrared photothermal therapy. <i>Nanoscale</i> , <b>2016</b> , 8, 492-9	7.7	36
154	Improving immunosensor performance through oriented immobilization of antibodies on carbon nanotube composite surfaces. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 43, 274-80	11.8	36
153	Cell response to magnetic glyconanoparticles: does the carbohydrate matter?. <i>IEEE Transactions on Nanobioscience</i> , <b>2007</b> , 6, 275-81	3.4	36
152	Current status and future perspectives of gold nanoparticle vectors for siRNA delivery. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 876-896	7.3	35
151	Photo-Fenton-like Metal-Protein Self-Assemblies as Multifunctional Tumor Theranostic Agent. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1900192	10.1	35
150	Modulating glycosidase degradation and lectin recognition of gold glyconanoparticles. <i>Carbohydrate Research</i> , <b>2009</b> , 344, 1474-8	2.9	35
149	Mimicking Pathogenic Invasion with the Complexes of Au(SG)-Engineered Assemblies and Folic Acid. <i>ACS Nano</i> , <b>2018</b> , 12, 4408-4418	16.7	34
148	Synthesis of Lex-neoglycoconjugate to study carbohydrate-carbohydrate associations and its intramolecular interaction. <i>Tetrahedron: Asymmetry</i> , <b>2002</b> , 13, 1879-1888		34
147	RGD-Functionalized FeO nanoparticles for magnetic hyperthermia. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 165, 315-324	6	32
146	Gold nanoprisms for photothermal cell ablation in vivo. <i>Nanomedicine</i> , <b>2014</b> , 9, 1913-22	5.6	32
145	Creating biomimetic surfaces through covalent and oriented binding of proteins. <i>Langmuir</i> , <b>2010</b> , 26, 14707-15	4	32
144	The fate of nanocarriers as nanomedicines in vivo: important considerations and biological barriers to overcome. <i>Current Medicinal Chemistry</i> , <b>2013</b> , 20, 2759-78	4.3	32
143	A ceramic microreactor for the synthesis of water soluble CdS and CdS/ZnS nanocrystals with on-line optical characterization. <i>Nanoscale</i> , <b>2012</b> , 4, 1328-35	7.7	31
142	Deciphering intracellular events triggered by mild magnetic hyperthermia in vitro and in vivo. <i>Nanomedicine</i> , <b>2015</b> , 10, 2167-83	5.6	30
141	Salivary Analysis Based on Surface Enhanced Raman Scattering Sensors Distinguishes Early and Advanced Gastric Cancer Patients from Healthy Persons. <i>Journal of Biomedical Nanotechnology</i> , <b>2018</b> , 14, 1773-1784	4	30
140	Spatially-resolved EELS analysis of antibody distribution on biofunctionalized magnetic nanoparticles. <i>ACS Nano</i> , <b>2013</b> , 7, 4006-13	16.7	30
139	New active formulations against M. tuberculosis: Bedaquiline encapsulation in lipid nanoparticles and chitosan nanocapsules. <i>Chemical Engineering Journal</i> , <b>2018</b> , 340, 181-191	14.7	29

138	Gold nanoprism-nanorod face off: comparing the heating efficiency, cellular internalization and thermoablation capacity. <i>Nanomedicine</i> , <b>2016</b> , 11, 2903-2916	5.6	29
137	Quantum dots protected with tiopronin: a new fluorescence system for cell-biology studies. <i>ChemBioChem</i> , <b>2005</b> , 6, 989-91	3.8	29
136	Ligand-Free Synthesis of Tunable Size Ln:BaGdF <sub>4</sub> (Ln = Eu <sup>3+</sup> and Nd <sup>3+</sup> ) Nanoparticles: Luminescence, Magnetic Properties, and Biocompatibility. <i>Langmuir</i> , <b>2016</b> , 32, 411-20	4	29
135	A polyoxometalate-assisted approach for synthesis of Pd nanoparticles on graphene nanosheets: synergistic behaviour for enhanced electrocatalytic activity. <i>RSC Advances</i> , <b>2015</b> , 5, 24319-24326	3.7	28
134	RNAi-based glyconanoparticles trigger apoptotic pathways for in vitro and in vivo enhanced cancer-cell killing. <i>Nanoscale</i> , <b>2015</b> , 7, 9083-91	7.7	28
133	Intestinal anti-inflammatory effects of RGD-functionalized silk fibroin nanoparticles in trinitrobenzenesulfonic acid-induced experimental colitis in rats. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 5945-5958	7.3	28
132	Gold Glyconanoparticles as Water-Soluble Polyvalent Models To Study Carbohydrate Interactions This work was supported by the DGICYT (PB96-0820), J.M.F. thanks the MEC for a predoctoral fellowship. A.G.B. thanks CSIC for financial support. We thank Prof. Martiñ-Lomas for his scientific and financial support.. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 2257-2261	16.4	27
131	Nanomaterials for reversion of multidrug resistance in cancer: a new hope for an old idea?. <i>Frontiers in Pharmacology</i> , <b>2013</b> , 4, 134	5.6	26
130	Effect of PEG biofunctional spacers and TAT peptide on dsRNA loading on gold nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	25
129	Investigating the role of shape on the biological impact of gold nanoparticles in vitro. <i>Nanomedicine</i> , <b>2015</b> , 10, 2643-57	5.6	24
128	Dual Role of Magnetic Nanoparticles as Intracellular Hotspots and Extracellular Matrix Disruptors Triggered by Magnetic Hyperthermia in 3D Cell Culture Models. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 44301-44313	9.5	24
127	Characterization of the wheat germ agglutinin binding to self-assembled monolayers of neoglycoconjugates by AFM and SPR. <i>Glycobiology</i> , <b>2009</b> , 19, 633-43	5.8	23
126	A Model System Mimicking Glycosphingolipid Clusters to Quantify Carbohydrate Self-Interactions by Surface Plasmon Resonance. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 1624-1627	3.6	23
125	Preparation of quinolines by reduction of ortho-nitroarenes with zinc in near-critical water. <i>New Journal of Chemistry</i> , <b>1999</b> , 23, 641-643	3.6	23
124	A simple and universal enzyme-free approach for the detection of multiple microRNAs using a single nanostructured enhancer of surface plasmon resonance imaging. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 1873-1885	4.4	23
123	Enzyme activation by alternating magnetic field: Importance of the bioconjugation methodology. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 537, 615-628	9.3	23
122	HoF3 and DyF3 Nanoparticles as Contrast Agents for High-Field Magnetic Resonance Imaging. <i>Particle and Particle Systems Characterization</i> , <b>2017</b> , 34, 1700116	3.1	22
121	Supramolecular antimicrobial capsules assembled from polyoxometalates and chitosan. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 7114-7117	7.3	21



120	A plasmonic thermal sensing based portable device for lateral flow assay detection and quantification. <i>Nanoscale Research Letters</i> , <b>2020</b> , 15, 10	5	20
119	Triangular gold nanoparticles conjugated with peptide ligands: a new class of inhibitor for <i>Candida albicans</i> secreted aspartyl proteinase. <i>Biochemical Pharmacology</i> , <b>2014</b> , 90, 349-55	6	20
118	In vitro transcription and translation inhibition via DNA functionalized gold nanoparticles. <i>Nanotechnology</i> , <b>2010</b> , 21, 505101	3.4	20
117	Mn-Doping level dependence on the magnetic response of MnFeO ferrite nanoparticles. <i>Dalton Transactions</i> , <b>2019</b> , 48, 11480-11491	4.3	19
116	Tackling reproducibility in microcantilever biosensors: a statistical approach for sensitive and specific end-point detection of immunoreactions. <i>Analyst, The</i> , <b>2013</b> , 138, 863-72	5	19
115	Human iPS Cells Loaded with MnO-Based Nanoprobes for Photodynamic and Simultaneous Enhanced Immunotherapy Against Cancer. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 127	19.5	18
114	Recent advances in biosensing using magnetic glyconanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 1783-803	4.4	18
113	Heating at the Nanoscale through Drug-Delivery Devices: Fabrication and Synergic Effects in Cancer Treatment with Nanoparticles. <i>Small Methods</i> , <b>2018</b> , 2, 1800007	12.8	18
112	Influence of both a static magnetic field and penetratin on magnetic nanoparticle delivery into fibroblasts. <i>Nanomedicine</i> , <b>2011</b> , 6, 1719-31	5.6	18
111	Fluorescent aromatic platforms for cell patterning. <i>Langmuir</i> , <b>2006</b> , 22, 5528-32	4	18
110	Controlling Properties and Cytotoxicity of Chitosan Nanocapsules by Chemical Grafting. <i>Marine Drugs</i> , <b>2016</b> , 14,	6	18
109	Targeted Nanoparticles for the Treatment of Alzheimer's Disease. <i>Current Pharmaceutical Design</i> , <b>2017</b> , 23, 1927-1952	3.3	17
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