

# Victor Puentes

## 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.

206  
papers

17,742  
citations

62  
h-index

131  
g-index

229  
ext. papers

19,667  
ext. citations

7.5  
avg, IF

6.88  
L-index

#	Paper	IF	Citations
206	Pharmacokinetics of PEGylated Gold Nanoparticles: In Vitro-In Vivo Correlation.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	4
205	How Does Immunomodulatory Nanoceria Work? ROS and Immunometabolism.. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 750175	8.4	3
204	Innate Memory Reprogramming by Gold Nanoparticles Depends on the Microbial Agents That Induce Memory. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 751683	8.4	2
203	The Interactions between Nanoparticles and the Innate Immune System from a Nanotechnologist Perspective. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	7
202	Immunomodulatory Function of Polyvinylpyrrolidone (PVP)-Functionalized Gold Nanoparticles in -Stimulated Sea Urchin Immune Cells. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
201	Interaction of nanoparticles with endotoxin. <i>Nanotoxicology</i> , <b>2021</b> , 15, 558-576	5.3	5
200	Cerium Oxide Nanoparticles: A New Therapeutic Tool in Liver Diseases. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	10
199	Stressor-Dependant Changes in Immune Parameters in the Terrestrial Isopod Crustacean, : A Focus on Nanomaterials. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
198	Formation and evolution of the nanoparticle environmental corona: The case of Au and humic acid. <i>Science of the Total Environment</i> , <b>2021</b> , 768, 144792	10.2	6
197	Preclinical studies conducted on nanozyme antioxidants: shortcomings and challenges based on USFDA regulations. <i>Nanomedicine</i> , <b>2021</b> , 16, 1133-1151	5.6	3
196	Paradigms to assess the human health risks of nano- and microplastics. <i>Microplastics and Nanoplastics</i> , <b>2021</b> , 1,		9
195	Introducing visible-light sensitivity into photocatalytic CeO nanoparticles by hybrid particle preparation exploiting plasmonic properties of gold: enhanced photoelectrocatalysis exemplified for hydrogen peroxide sensing. <i>Nanoscale</i> , <b>2021</b> , 13, 980-990	7.7	4
194	Gold nanoparticles coated with polyvinylpyrrolidone and sea urchin extracellular molecules induce transient immune activation. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 402, 123793	12.8	12
193	Interaction between Macrophages and Nanoparticles: In Vitro 3D Cultures for the Realistic Assessment of Inflammatory Activation and Modulation of Innate Memory. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	5
192	Mesoporous silica coated CeO nanozymes with combined lipid-lowering and antioxidant activity induce long-term improvement of the metabolic profile in obese Zucker rats. <i>Nanoscale</i> , <b>2021</b> , 13, 8452-8466	7.7	8
191	Functional and Morphological Changes Induced in Hemocytes by Selected Nanoparticles. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	5
190	Antibody cooperative adsorption onto AuNPs and its exploitation to force natural killer cells to kill HIV-infected T cells. <i>Nano Today</i> , <b>2021</b> , 36, 101056-101056	17.9	4

189	Sustained effect of zero-valent iron nanoparticles under semi-continuous anaerobic digestion of sewage sludge: Evolution of nanoparticles and microbial community dynamics. <i>Science of the Total Environment</i> , <b>2021</b> , 777, 145969	10.2	11
188	Scalable synthesis of multicomponent multifunctional inorganic core@mesoporous silica shell nanocomposites. <i>Materials Science and Engineering C</i> , <b>2021</b> , 128, 112272	8.3	1
187	In situ nanoremediation of soils and groundwaters from the nanoparticle@ standpoint: A review. <i>Science of the Total Environment</i> , <b>2021</b> , 791, 148324	10.2	10
186	Microfluidic In Vitro Platform for (Nano)Safety and (Nano)Drug Efficiency Screening. <i>Small</i> , <b>2021</b> , 17, e2006012	11	13
185	Gold nanoparticles (AuNPs) impair LPS-driven immune responses by promoting a tolerogenic-like dendritic cell phenotype with altered endosomal structures. <i>Nanoscale</i> , <b>2021</b> , 13, 7648-7666	7.7	5
184	Epigenetics in Breast Cancer Therapy-New Strategies and Future Nanomedicine Perspectives. <i>Cancers</i> , <b>2020</b> , 12,	6.6	17
183	Addressing Nanomaterial Immunotoxicity by Evaluating Innate Immunity across Living Species. <i>Small</i> , <b>2020</b> , 16, e2000598	11	18
182	Increasing complexity of nanocrystals. <i>Nano Today</i> , <b>2020</b> , 32, 100859	17.9	
181	Hepato(Geno)Toxicity Assessment of Nanoparticles in a HepG2 Liver Spheroid Model. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	34
180	Simple spectroscopic determination of the hard protein corona composition in AuNPs: albumin at 75. <i>Nanoscale</i> , <b>2020</b> , 12, 15832-15844	7.7	5
179	MOF-Beads Containing Inorganic Nanoparticles for the Simultaneous Removal of Multiple Heavy Metals from Water. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 10554-10562	9.5	53
178	Gold Nanoparticles Modulate BCG-Induced Innate Immune Memory in Human Monocytes by Shifting the Memory Response towards Tolerance. <i>Cells</i> , <b>2020</b> , 9,	7.9	17
177	Bespoken Nanoceria: An Effective Treatment in Experimental Hepatocellular Carcinoma. <i>Hepatology</i> , <b>2020</b> , 72, 1267-1282	11.2	15
176	Understanding galvanic replacement reactions: the case of Pt and Ag. <i>Materials Today Advances</i> , <b>2020</b> , 5, 100037	7.4	11
175	A lab-on-a-chip system with an embedded porous membrane-based impedance biosensor array for nanoparticle risk assessment on placental BeWo trophoblast cells. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 312, 127946	8.5	16
174	Cerium Oxide Nanoparticles: Advances in Biodistribution, Toxicity, and Preclinical Exploration. <i>Small</i> , <b>2020</b> , 16, e1907322	11	38
173	Writing chemical patterns using electrospun fibers as nanoscale inkpots for directed assembly of colloidal nanocrystals. <i>Nanoscale</i> , <b>2020</b> , 12, 895-903	7.7	4
172	Impact of AgS NPs on soil bacterial community - A terrestrial mesocosm approach. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 206, 111405	7	7

171	Probing the immune responses to nanoparticles across environmental species. A perspective of the EU Horizon 2020 project PANDORA. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 3216-3232	7.1	9
170	Nanocrystal/Molecular Hybrids for the Photocatalytic Oxidation of Water. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 10008-10014	6.1	3
169	Beyond the Scavenging of Reactive Oxygen Species (ROS): Direct Effect of Cerium Oxide Nanoparticles in Reducing Fatty Acids Content in an In Vitro Model of Hepatocellular Steatosis. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	23
168	Seeded-Growth Aqueous Synthesis of Colloidal-Stable Citrate-Stabilized Au/CeO <sub>2</sub> Hybrid Nanocrystals: Heterodimers, Core@Shell, and Clover- and Star-Like Structures. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 7922-7932	9.6	9
167	Cerium oxide nanoparticles display antilipogenic effect in rats with non-alcoholic fatty liver disease. <i>Scientific Reports</i> , <b>2019</b> , 9, 12848	4.9	19
166	Mechanomodulation of Lipid Membranes by Weakly Aggregating Silver Nanoparticles. <i>Biochemistry</i> , <b>2019</b> , 58, 4761-4773	3.2	4
165	Kidney nanotoxicity studied in human renal proximal tubule epithelial cell line TH1. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2019</b> , 845, 403017	3	11
164	Functionalized cerium oxide nanoparticles mitigate the oxidative stress and pro-inflammatory activity associated to the portal vein endothelium of cirrhotic rats. <i>PLoS ONE</i> , <b>2019</b> , 14, e0218716	3.7	12
163	Detection of resistance protein A (MxA) in paper-based immunoassays with surface enhanced Raman spectroscopy with AuAg nanoshells. <i>Nanoscale</i> , <b>2019</b> , 11, 10819-10827	7.7	19
162	Internalization and toxicological mechanisms of uncoated and PVP-coated cerium oxide nanoparticles in the freshwater alga <i>Chlamydomonas reinhardtii</i> . <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 1959-1972	7.1	13
161	Biodistribution, Excretion, and Toxicity of Inorganic Nanoparticles <b>2019</b> , 3-26		7
160	Coating aerosolized nanoparticles with low-volatile organic compound (LVOC) vapors modifies surface functionality and oxidative reactivity. <i>NanoImpact</i> , <b>2019</b> , 14, 100150	5.6	4
159	Robust one-pot synthesis of citrate-stabilized Au@CeO <sub>2</sub> hybrid nanocrystals with different thickness and dimensionality. <i>Applied Materials Today</i> , <b>2019</b> , 15, 445-452	6.6	7
158	Dynamic Equilibrium in the Cetyltrimethylammonium Bromide-Au Nanoparticle Bilayer, and the Consequent Impact on the Formation of the Nanoparticle Protein Corona. <i>Bioconjugate Chemistry</i> , <b>2019</b> , 30, 2917-2930	6.3	10
157	Cerium oxide nanoparticles improve liver regeneration after acetaminophen-induced liver injury and partial hepatectomy in rats. <i>Journal of Nanobiotechnology</i> , <b>2019</b> , 17, 112	9.4	17
156	Assessment of iron oxide nanoparticle ecotoxicity on regeneration and homeostasis in the replacement model system <i>Schmidtea mediterranea</i> . <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2019</b> , 36, 583-596	4.3	4
155	Cerium Oxide Nanoparticles Protect against Oxidant Injury and Interfere with Oxidative Mediated Kinase Signaling in Human-Derived Hepatocytes. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	12
154	Hollow PdAg-CeO heterodimer nanocrystals as highly structured heterogeneous catalysts. <i>Scientific Reports</i> , <b>2019</b> , 9, 18776	4.9	9

153	Inter-laboratory comparison of nanoparticle size measurements using dynamic light scattering and differential centrifugal sedimentation. <i>NanoImpact</i> , <b>2018</b> , 10, 97-107	5.6	41
152	Effects of Systematic Variation in Size and Surface Coating of Silver Nanoparticles on Their In Vitro Toxicity to Macrophage RAW 264.7 Cells. <i>Toxicological Sciences</i> , <b>2018</b> , 162, 79-88	4.4	26
151	Sequential Deconstruction-Reconstruction of Metal-Organic Frameworks: An Alternative Strategy for Synthesizing (Multi)-Layered ZIF Composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 23952-23960	2.5	6
150	Plasmonic assemblies of gold nanorods on nanoscale patterns of poly(ethylene glycol): Application in surface-enhanced Raman spectroscopy. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 532, 449-455	9.3	23
149	Characterization of Nanoparticle Batch-To-Batch Variability. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	42
148	Time- and Size-Resolved Plasmonic Evolution with nm Resolution of Galvanic Replacement Reaction in AuAg Nanoshells Synthesis. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 5098-5107	9.6	20
147	Influence of soil porewater properties on the fate and toxicity of silver nanoparticles to <i>Caenorhabditis elegans</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 2609-2618	3.8	12
146	Tunable electrochemistry of gold-silver alloy nanoshells. <i>Nano Research</i> , <b>2018</b> , 11, 6336-6345	10	8
145	Nanosafety: Towards Safer Nanoparticles by Design. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 4587-4601	4.3	15
144	Fluorescently labelled nanomaterials in nanosafety research: Practical advice to avoid artefacts and trace unbound dye. <i>NanoImpact</i> , <b>2018</b> , 9, 102-113	5.6	12
143	Low-Cost Strategy for the Development of a Rapid Electrochemical Assay for Bacteria Detection Based on AuAg Nanoshells. <i>ACS Omega</i> , <b>2018</b> , 3, 18849-18856	3.9	23
142	Aging reduces the toxicity of pristine but not sulphidised silver nanoparticles to soil bacteria. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 2618-2630	7.1	20
141	Conserved effects and altered trafficking of Cetuximab antibodies conjugated to gold nanoparticles with precise control of their number and orientation. <i>Nanoscale</i> , <b>2017</b> , 9, 6111-6121	7.7	25
140	Confining Functional Nanoparticles into Colloidal Imine-Based COF Spheres by a Sequential Encapsulation-Crystallization Method. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 8623-8627	4.8	42
139	Probing the surface reactivity of nanocrystals by the catalytic degradation of organic dyes: the effect of size, surface chemistry and composition. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11917-11929	13	41
138	Assembly of Plasmonic Nanoparticles on Nanopatterns of Polymer Brushes Fabricated by Electrospin Nanolithography. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 603-608	6.6	16
137	Core-shell Au/CeO <sub>2</sub> nanoparticles supported in UiO-66 beads exhibiting full CO conversion at 100 °C. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 13966-13970	13	21
136	Critical review of existing nanomaterial adsorbents to capture carbon dioxide and methane. <i>Science of the Total Environment</i> , <b>2017</b> , 595, 51-62	10.2	102

135	Seeded Growth Synthesis of AuBe <sub>3</sub> O <sub>4</sub> Heterostructured Nanocrystals: Rational Design and Mechanistic Insights. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 4022-4035	9.6	53
134	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , <b>2017</b> , 11, 2313-2381	16.7	714
133	Modeling the Optical Responses of Noble Metal Nanoparticles Subjected to Physicochemical Transformations in Physiological Environments: Aggregation, Dissolution and Oxidation. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2017</b> , 231,	3.1	9
132	Formation of the Protein Corona: The Interface between Nanoparticles and the Immune System. <i>Seminars in Immunology</i> , <b>2017</b> , 34, 52-60	10.7	125
131	Safer by design strategies. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 838, 012016	0.3	9
130	Domain Formation and Conformational Changes in Gold Nanoparticle Conjugates Studied Using DPD Simulations. <i>Langmuir</i> , <b>2017</b> , 33, 14502-14512	4	8
129	Bacterial endotoxin (lipopolysaccharide) binds to the surface of gold nanoparticles, interferes with biocorona formation and induces human monocyte inflammatory activation. <i>Nanotoxicology</i> , <b>2017</b> , 11, 1157-1175	5.3	55
128	One-Pot Synthesis of Cationic Gold Nanoparticles by Differential Reduction. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2017</b> , 231,	3.1	3
127	Size-Dependent Protein-Nanoparticle Interactions in Citrate-Stabilized Gold Nanoparticles: The Emergence of the Protein Corona. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 88-97	6.3	184
126	Hollow metal nanostructures for enhanced plasmonics: synthesis, local plasmonic properties and applications. <i>Nanophotonics</i> , <b>2017</b> , 6, 193-213	6.3	73
125	Cancer resistance to treatment and antiresistance tools offered by multimodal multifunctional nanoparticles. <i>Cancer Nanotechnology</i> , <b>2017</b> , 8, 7	7.9	29
124	Intrinsic and Extrinsic Properties Affecting Innate Immune Responses to Nanoparticles: The Case of Cerium Oxide. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 970	8.4	31
123	Interaction of gold nanoparticles and nickel(II) sulfate affects dendritic cell maturation. <i>Nanotoxicology</i> , <b>2016</b> , 10, 1395-1403	5.3	14
122	Properties of silver nanoparticles influencing their uptake in and toxicity to the earthworm <i>Lumbricus rubellus</i> following exposure in soil. <i>Environmental Pollution</i> , <b>2016</b> , 218, 870-878	9.3	49
121	Enhanced detection with spectral imaging fluorescence microscopy reveals tissue- and cell-type-specific compartmentalization of surface-modified polystyrene nanoparticles. <i>Journal of Nanobiotechnology</i> , <b>2016</b> , 14, 55	9.4	16
120	Galvanic Replacement onto Complex Metal-Oxide Nanoparticles: Impact of Water or Other Oxidizers in the Formation of either Fully Dense Onion-like or Multicomponent Hollow MnOx/FeOx Structures. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 8025-8031	9.6	22
119	The influence of the MOF shell thickness on the catalytic performance of composites made of inorganic (hollow) nanoparticles encapsulated into MOFs. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 8388-8391 <sup>12</sup>	5.5	12
118	Size-Controlled Synthesis of Sub-10-nanometer Citrate-Stabilized Gold Nanoparticles and Related Optical Properties.. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 1066-1075	9.6	294



117	Quantifying the Sensitivity of Multipolar (Dipolar, Quadrupolar, and Octapolar) Surface Plasmon Resonances in Silver Nanoparticles: The Effect of Size, Composition, and Surface Coating. <i>Langmuir</i> , <b>2016</b> , 32, 290-300	4	80
116	Tuning the Plasmonic Response up: Hollow Cuboid Metal Nanostructures. <i>ACS Photonics</i> , <b>2016</b> , 3, 770-779	3	36
115	Influence of Nanomaterial Compatibilization Strategies on Polyamide Nanocomposites Properties and Nanomaterial Release during the Use Phase. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 2584-94	10.3	17
114	Toxicity of nickel in the marine calanoid copepod <i>Acartia tonsa</i> : Nickel chloride versus nanoparticles. <i>Aquatic Toxicology</i> , <b>2016</b> , 170, 1-12	5.1	28
113	Enhanced reactivity of high-index surface platinum hollow nanocrystals. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 200-208	13	30
112	Cerium oxide nanoparticles reduce steatosis, portal hypertension and display anti-inflammatory properties in rats with liver fibrosis. <i>Journal of Hepatology</i> , <b>2016</b> , 64, 691-8	13.4	120
111	Design and pharmacokinetical aspects for the use of inorganic nanoparticles in radiomedicine. <i>British Journal of Radiology</i> , <b>2016</b> , 89, 20150210	3.4	8
110	Nanoparticle Interaction with Biomolecules: How it Shapes the Nano-Effects on Immunity. <i>Current Bionanotechnology</i> , <b>2016</b> , 2, 11-19		3
109	Assessing the Immunosafety of Engineered Nanoparticles with a Novel in Vitro Model Based on Human Primary Monocytes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 28437-28447	9.5	31
108	One-pot polyol synthesis of highly monodisperse short green silver nanorods. <i>Chemical Communications</i> , <b>2016</b> , 52, 10960-3	5.8	14
107	The oxidative potential of differently charged silver and gold nanoparticles on three human lung epithelial cell types. <i>Journal of Nanobiotechnology</i> , <b>2015</b> , 13, 1	9.4	148
106	High Aspect Ratio Gold Nanorods Grown with Platinum Seeds. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 11818-11825	3.8	6
105	Optimising the use of commercial LAL assays for the analysis of endotoxin contamination in metal colloids and metal oxide nanoparticles. <i>Nanotoxicology</i> , <b>2015</b> , 9, 462-73	5.3	42
104	Longitudinal domain wall formation in elongated assemblies of ferromagnetic nanoparticles. <i>Scientific Reports</i> , <b>2015</b> , 5, 14536	4.9	7
103	SERS efficiencies of micrometric polystyrene beads coated with gold and silver nanoparticles: the effect of nanoparticle size. <i>Journal of Optics (United Kingdom)</i> , <b>2015</b> , 17, 114012	1.7	29
102	Chitosan functionalisation of gold nanoparticles encourages particle uptake and induces cytotoxicity and pro-inflammatory conditions in phagocytic cells, as well as enhancing particle interactions with serum components. <i>Journal of Nanobiotechnology</i> , <b>2015</b> , 13, 84	9.4	62
101	Exploring New Synthetic Strategies for the Production of Advanced Complex Inorganic Nanocrystals. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2015</b> , 229,	3.1	5
100	Use of cerium oxide (CeO <sub>2</sub> ) nanoparticles for the adsorption of dissolved cadmium (II), lead (II) and chromium (VI) at two different pHs in single and multi-component systems. <i>Global Nest Journal</i> , <b>2015</b> , 17, 536-543	1.4	23

99	Nanoparticles for imaging, sensing, and therapeutic intervention. <i>ACS Nano</i> , <b>2014</b> , 8, 3107-22	16.7	211
98	Synthesis of Highly Monodisperse Citrate-Stabilized Silver Nanoparticles of up to 200 nm: Kinetic Control and Catalytic Properties. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 2836-2846	9.6	548
97	Programmed iron oxide nanoparticles disintegration in anaerobic digesters boosts biogas production. <i>Small</i> , <b>2014</b> , 10, 2801-8, 2741	11	114
96	Little adjustments significantly improve the Turkevich synthesis of gold nanoparticles. <i>Langmuir</i> , <b>2014</b> , 30, 10779-84	4	118
95	Common strategies and technologies for the ecosafety assessment and design of nanomaterials entering the marine environment. <i>ACS Nano</i> , <b>2014</b> , 8, 9694-709	16.7	123
94	Gene expression profiles reveal distinct immunological responses of cobalt and cerium dioxide nanoparticles in two in vitro lung epithelial cell models. <i>Toxicology Letters</i> , <b>2014</b> , 228, 157-69	4.4	19
93	Interaction of differently functionalized fluorescent silica nanoparticles with neural stem- and tissue-type cells. <i>Nanotoxicology</i> , <b>2014</b> , 8 Suppl 1, 138-48	5.3	31
92	Absence of Ce <sup>3+</sup> sites in chemically active colloidal ceria nanoparticles. <i>ACS Nano</i> , <b>2013</b> , 7, 10726-32	16.7	128
91	Radiochemical synthesis of <sup>105</sup> gAg-labelled silver nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	6
90	Altered characteristics of silica nanoparticles in bovine and human serum: the importance of nanomaterial characterization prior to its toxicological evaluation. <i>Particle and Fibre Toxicology</i> , <b>2013</b> , 10, 56	8.4	90
89	Spontaneous formation of hollow cobalt oxide nanoparticles by the Kirkendall effect at room temperature at the water-air interface. <i>Nanoscale</i> , <b>2013</b> , 5, 2429-36	7.7	32
88	Dipolar magnetism in ordered and disordered low-dimensional nanoparticle assemblies. <i>Scientific Reports</i> , <b>2013</b> , 3, 1234	4.9	101
87	Stability of polymer encapsulated quantum dots in cell culture media. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 429, 012009	0.3	1
86	Monitoring migration and transformation of nanomaterials in polymeric composites during accelerated aging. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 429, 012044	0.3	17
85	The social context of nanotechnology and regulating its uncertainty: A nanotechnologist approach. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 429, 012059	0.3	2
84	Characterizing Nanoparticles Reactivity: Structure-Photocatalytic Activity Relationship. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 429, 012040	0.3	3
83	Exploring release and recovery of nanomaterials from commercial polymeric nanocomposites. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 429, 012048	0.3	16
82	Engineered inorganic nanoparticles for drug delivery applications. <i>Current Drug Metabolism</i> , <b>2013</b> , 14, 518-30	3.5	43



81	Stabilizing gold nanoparticle bioconjugates in physiological conditions by PEGylation. <i>Methods in Molecular Biology</i> , <b>2013</b> , 1025, 281-9	1.4	
80	Effect of cerium dioxide, titanium dioxide, silver, and gold nanoparticles on the activity of microbial communities intended in wastewater treatment. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 199-200, 64-72	12.8	173
79	Synthesis of Co <sup>0</sup> Organosilane <sup>1</sup> Au Nanocomposites via a Controlled Interphasic Reduction. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 4019-4027	9.6	2
78	Controlled positioning of nanoparticles on graphene by noninvasive AFM lithography. <i>Langmuir</i> , <b>2012</b> , 28, 12400-9	4	13
77	Rational nanoconjugation improves biocatalytic performance of enzymes: aldol addition catalyzed by immobilized rhamnulose-1-phosphate aldolase. <i>Langmuir</i> , <b>2012</b> , 28, 6461-7	4	43
76	Preliminary study of phosphate adsorption onto cerium oxide nanoparticles for use in water purification; nanoparticles synthesis and characterization. <i>Water Science and Technology</i> , <b>2012</b> , 66, 503-9 <sup>2.2</sup>	9 <sup>2.2</sup>	22
75	Inorganic nanoparticle biomolecular corona: formation, evolution and biological impact. <i>Nanomedicine</i> , <b>2012</b> , 7, 1917-30	5.6	70
74	Citrate-coated gold nanoparticles as smart scavengers for mercury(II) removal from polluted waters. <i>ACS Nano</i> , <b>2012</b> , 6, 2253-60	16.7	156
73	Inorganic Nanoparticles and the Environment: Balancing Benefits and Risks. <i>Comprehensive Analytical Chemistry</i> , <b>2012</b> , 59, 265-290	1.9	4
72	Facile preparation of cationic gold nanoparticle-bioconjugates for cell penetration and nuclear targeting. <i>ACS Nano</i> , <b>2012</b> , 6, 7692-702	16.7	92
71	Reactivity of inorganic nanoparticles in biological environments: insights into nanotoxicity mechanisms. <i>Journal Physics D: Applied Physics</i> , <b>2012</b> , 45, 443001	3	60
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