

# Natalia L Pacioni

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4001315/publications.pdf>

Version: 2024-02-01

26  
papers

947  
citations

623734

14  
h-index

642732

23  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1502  
citing authors

#	ARTICLE	IF	CITATIONS
1	The biocompatibility and antibacterial properties of collagen-stabilized, photochemically prepared silver nanoparticles. <i>Biomaterials</i> , 2012, 33, 4947-4956.	11.4	200
2	Gold nanoparticle catalysis of the cis $\leftrightarrow$ trans isomerization of azobenzene. <i>Chemical Communications</i> , 2013, 49, 10073.	4.1	73
3	Synthetic Routes for the Preparation of Silver Nanoparticles. <i>Engineering Materials</i> , 2015, , 13-46.	0.6	71
4	Determination of carbaryl and carbofuran in fruits and tap water by $\beta$ -cyclodextrin enhanced fluorimetric method. <i>Analytica Chimica Acta</i> , 2003, 488, 193-202.	5.4	70
5	Surface Plasmons Control the Dynamics of Excited Triplet States in the Presence of Gold Nanoparticles. <i>Journal of the American Chemical Society</i> , 2010, 132, 6298-6299.	13.7	68
6	Human serum albumin as protecting agent of silver nanoparticles: role of the protein conformation and amine groups in the nanoparticle stabilization. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	58
7	Oxidation of copper nanoparticles in water: mechanistic insights revealed by oxygen uptake and spectroscopic methods. <i>Dalton Transactions</i> , 2013, 42, 5832.	3.3	53
8	Synthesis of copper nanoparticles mediated by photogenerated free radicals: catalytic role of chloride anions. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 766.	2.9	47
9	Determination of poorly fluorescent carbamate pesticides in water, bendiocarb and promecarb, using cyclodextrin nanocavities and related media. <i>Analytica Chimica Acta</i> , 2007, 583, 63-71.	5.4	45
10	Plasmon-Mediated Photopolymerization Maps Plasmon Fields for Silver Nanoparticles. <i>Journal of the American Chemical Society</i> , 2011, 133, 9160-9163.	13.7	43
11	Spectrofluorimetric determination of benzoimidazolic pesticides: Effect of p-sulfonatocalix[6]arene and cyclodextrins. <i>Analytica Chimica Acta</i> , 2008, 624, 133-140.	5.4	42
12	Association models for binding of molecules to nanostructures. <i>Analyst, The</i> , 2017, 142, 2067-2089.	3.5	39
13	Tuning plasmon transitions and their applications in organic photochemistry. <i>Pure and Applied Chemistry</i> , 2011, 83, 913-930.	1.9	38
14	Ultraclean Derivatized Monodisperse Gold Nanoparticles through Laser Drop Ablation Customization of Polymorph Gold Nanostructures. <i>Langmuir</i> , 2012, 28, 8183-8189.	3.5	24
15	Improving reproducibility between batches of silver nanoparticles using an experimental design approach. <i>Microchemical Journal</i> , 2018, 141, 110-117.	4.5	15
16	Structural characterization of N-methylcarbamate: $\beta$ -Cyclodextrin complexes by experimental methods and molecular dynamics simulations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 319-324.	3.9	11
17	Spherical silver nanoparticles in the detection of thermally denatured collagens. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1993-1996.	3.7	11
18	Role of a cystine-based Gemini surfactant ligand in the synthesis of catalytic active silver nanoparticles. <i>Journal of Molecular Liquids</i> , 2019, 284, 110-116.	4.9	11

#	ARTICLE	IF	CITATIONS
19	Nanoparticle Concentration vs Surface Area in the Interaction of Thiol-Containing Molecules: Toward a Rational Nanoarchitectural Design of Hybrid Materials. ACS Applied Materials & Interfaces, 2019, 11, 17697-17705.	8.0	9
20	Analytical strategy to detect metal nanoparticles in mixtures without previous separation. Sensors and Actuators B: Chemical, 2016, 228, 557-564.	7.8	6
21	Comparative effect of cyclodextrin nanocavities versus organic solvents on the fluorescence of carbamate and indole compounds. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 198, 179-185.	3.9	5
22	Metrology for Metal Nanoparticles. , 2019, , 2327-2342.		3
23	The fluorescence quenching of rhodamine 6G as an alternative sensing strategy for the quantification of silver and gold nanoparticles. Microchemical Journal, 2021, 160, 105645.	4.5	2
24	Integrating Chemical Security into Chemistry Degree Programs in Argentina through an Interactive One-Day Course Addressing Illicit or Harmful Applications of Chemistry Knowledge. Journal of Chemical Education, 2020, 97, 1789-1794.	2.3	1
25	Synthesis and Characterization of Nanomaterials for Biomedical Applications. , 2019, , 13-34.		1
26	Metrology for Metal Nanoparticles. , 2018, , 1-16.		1