Neus Bastus

List of Publications by Year
in descending order

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72 papers	6,127 citations	159358 30 h-index	91712 69 g-index
73 all docs	73 docs citations	73 times ranked	10289 citing authors

#	Article	IF	Citations
1	Kinetically Controlled Seeded Growth Synthesis of Citrate-Stabilized Gold Nanoparticles of up to 200 nm: Size Focusing versus Ostwald Ripening. Langmuir, 2011, 27, 11098-11105.	1.6	1,394
2	Synthesis of Highly Monodisperse Citrate-Stabilized Silver Nanoparticles of up to 200 nm: Kinetic Control and Catalytic Properties. Chemistry of Materials, 2014, 26, 2836-2846.	3.2	699
3	Size-Controlled Synthesis of Sub-10-nanometer Citrate-Stabilized Gold Nanoparticles and Related Optical Properties.. Chemistry of Materials, 2016, 28, 1066-1075.	3.2	419
4	Nanoparticle-Mediated Local and Remote Manipulation of Protein Aggregation. Nano Letters, 2006, 6, 110-115.	4.5	305
5	Collective behaviour in two-dimensional cobalt nanoparticle assemblies observed by magnetic force microscopy. Nature Materials, 2004, 3, 263-268.	13.3	297
6	Size-Dependent Proteinâ€“Nanoparticle Interactions in Citrate-Stabilized Gold Nanoparticles: The Emergence of the Protein Corona. Bioconjugate Chemistry, 2017, 28, 88-97.	1.8	264
7	Small Gold Nanoparticles Synthesized with Sodium Citrate and Heavy Water: Insights into the Reaction Mechanism. Journal of Physical Chemistry C, 2010, 114, 1800-1804.	1.5	207
8	Formation of the Protein Corona: The Interface between Nanoparticles and the Immune System. Seminars in Immunology, 2017, 34, 52-60.	2.7	191
9	Little Adjustments Significantly Improve the Turkevich Synthesis of Gold Nanoparticles. Langmuir, 2014, 30, 10779-10784.	1.6	155
10	Homogeneous Conjugation of Peptides onto Gold Nanoparticles Enhances Macrophage Response. ACS Nano, 2009, 3, 1335-1344.	7.3	148
11	Influence of the Sequence of the Reagents Addition in the Citrate-Mediated Synthesis of Gold Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 15752-15757.	1.5	136
12	Peptides conjugated to gold nanoparticles induce macrophage activation. Molecular Immunology, 2009, 46, 743-748.	1.0	130
13	Distribution and potential toxicity of engineered inorganic nanoparticles and carbon nanostructures in biological systems. TrAC - Trends in Analytical Chemistry, 2008, 27, 672-683.	5.8	120
14	Hollow metal nanostructures for enhanced plasmonics: synthesis, local plasmonic properties and applications. Nanophotonics, 2017, 6, 193-213.	2.9	107
15	Quantifying the Sensitivity of Multipolar (Dipolar, Quadrupolar, and Octapolar) Surface Plasmon Resonances in Silver Nanoparticles: The Effect of Size, Composition, and Surface Coating. Langmuir, 2016, 32, 290-300.	1.6	104
16	MOF-Beads Containing Inorganic Nanoparticles for the Simultaneous Removal of Multiple Heavy Metals from Water. ACS Applied Materials & Interfaces, 2020, 12, 10554-10562.	4.0	89
17	Tunable Plasmon Coupling in Distance-Controlled Gold Nanoparticles. Langmuir, 2012, 28, 8862-8866.	1.6	85
18	Effect of the Spacer Structure on the Stability of Gold Nanoparticles Functionalized with Monodentate Thiolated Poly(ethylene glycol) Ligands. Langmuir, 2013, 29, 9897-9908.	1.6	80

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19	Gold Nanoparticles and Microwave Irradiation Inhibit Beta-Amyloid Amyloidogenesis. Nanoscale Research Letters, 2008, 3, .	3.1	75
20	Seeded Growth Synthesis of Auâ€“Fe₃O₄ Heterostructured Nanocrystals: Rational Design and Mechanistic Insights. Chemistry of Materials, 2017, 29, 4022-4035.	3.2	67
21	Hepato(Geno)Toxicity Assessment of Nanoparticles in a HepG2 Liver Spheroid Model. Nanomaterials, 2020, 10, 545.	1.9	55
22	Reactivity of engineered inorganic nanoparticles and carbon nanostructures in biological media. Nanotoxicology, 2008, 2, 99-112.	1.6	52
23	Shuttling Gold Nanoparticles into Tumoral Cells with an Amphipathic Prolineâ€Rich Peptide. ChemBioChem, 2009, 10, 1025-1031.	1.3	50
24	Tuning the Plasmonic Response up: Hollow Cuboid Metal Nanostructures. ACS Photonics, 2016, 3, 770-779.	3.2	49
25	Probing the surface reactivity of nanocrystals by the catalytic degradation of organic dyes: the effect of size, surface chemistry and composition. Journal of Materials Chemistry A, 2017, 5, 11917-11929.	5.2	49
26	Amphiphilic, cross-linkable diblock copolymers for multifunctionalized nanoparticles as biological probes. Nanoscale, 2013, 5, 7433.	2.8	39
27	Gold nanoparticles for selective and remote heating of Î²-amyloid protein aggregates. Materials Science and Engineering C, 2007, 27, 1236-1240.	3.8	38
28	Addressing Nanomaterial Immunosafety by Evaluating Innate Immunity across Living Species. Small, 2020, 16, e2000598.	5.2	35
29	A lab-on-a-chip system with an embedded porous membrane-based impedance biosensor array for nanoparticle risk assessment on placental Bewo trophoblast cells. Sensors and Actuators B: Chemical, 2020, 312, 127946.	4.0	34
30	SERS efficiencies of micrometric polystyrene beads coated with gold and silver nanoparticles: the effect of nanoparticle size. Journal of Optics (United Kingdom), 2015, 17, 114012.	1.0	33
31	Enhanced reactivity of high-index surface platinum hollow nanocrystals. Journal of Materials Chemistry A, 2016, 4, 200-208.	5.2	32
32	Time- and Size-Resolved Plasmonic Evolution with nm Resolution of Galvanic Replacement Reaction in AuAg Nanoshells Synthesis. Chemistry of Materials, 2018, 30, 5098-5107.	3.2	27
33	In Situ Functionalization and PEO Coating of Iron Oxide Nanocrystals Using Seeded Emulsion Polymerization. Langmuir, 2013, 29, 4915-4921.	1.6	26
34	Inorganic Engineered Nanoparticles and Their Impact on the Immune Response. Current Drug Metabolism, 2009, 10, 895-904.	0.7	25
35	Gold nanoparticles functionalized with a fragment of the neural cell adhesion molecule L1 stimulate L1-mediated functions. Nanoscale, 2013, 5, 10605.	2.8	25
36	Coreâ€“shell Au/CeO₂ nanoparticles supported in UiO-66 beads exhibiting full CO conversion at 100 Â°C. Journal of Materials Chemistry A, 2017, 5, 13966-13970.	5.2	24

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37	Microfluidic In Vitro Platform for (Nano)Safety and (Nano)Drug Efficiency Screening. Small, 2021, 17, 2006012.	5.2	24
38	Understanding galvanic replacement reactions: the case of Pt and Ag. Materials Today Advances, 2020, 5, 100037.	2.5	23
39	Antibacterial Films Based on MOF Composites that Release Iodine Passively or Upon Triggering by Nearâ€Infrared Light. Advanced Functional Materials, 2022, 32, .	7.8	23
40	Growth and reductive transformation of a gold shell around pyramidal cadmium selenide nanocrystals. Journal of Materials Chemistry, 2010, 20, 10602.	6.7	22
41	A general route towards well-defined magneto- or fluorescent-plasmonic nanohybrids. Nanoscale, 2013, 5, 11783.	2.8	22
42	Dynamic Equilibrium in the Cetyltrimethylammonium Bromideâ€“Au Nanoparticle Bilayer, and the Consequent Impact on the Formation of the Nanoparticle Protein Corona. Bioconjugate Chemistry, 2019, 30, 2917-2930.	1.8	22
43	Formation and evolution of the nanoparticle environmental corona: The case of Au and humic acid. Science of the Total Environment, 2021, 768, 144792.	3.9	22
44	Radical Initiated Reactions on Biocompatible CdSe-Based Quantum Dots: Ligand Cross-Linking, Crystal Annealing, and Fluorescence Enhancement. Journal of Physical Chemistry C, 2013, 117, 8570-8578.	1.5	21
45	Fluorescently labelled nanomaterials in nanosafety research: Practical advice to avoid artefacts and trace unbound dye. NanoImpact, 2018, 9, 102-113.	2.4	21
46	One-pot polyol synthesis of highly monodisperse short green silver nanorods. Chemical Communications, 2016, 52, 10960-10963.	2.2	20
47	Gold nanoparticles coated with polyvinylpyrrolidone and sea urchin extracellular molecules induce transient immune activation. Journal of Hazardous Materials, 2021, 402, 123793.	6.5	20
48	Pharmacokinetics of PEGylated Gold Nanoparticles: In Vitroâ€”In Vivo Correlation. Nanomaterials, 2022, 12, 511.	1.9	20
49	Nanosafety: Towards Safer Nanoparticles by Design. Current Medicinal Chemistry, 2018, 25, 4587-4601.	1.2	19
50	The influence of the MOF shell thickness on the catalytic performance of composites made of inorganic (hollow) nanoparticles encapsulated into MOFs. Catalysis Science and Technology, 2016, 6, 8388-8391.	2.1	18
51	Seeded-Growth Aqueous Synthesis of Colloidal-Stable Citrate-Stabilized Au/CeO₂ Hybrid Nanocrystals: Heterodimers, Core@Shell, and Clover- and Star-Like Structures. Chemistry of Materials, 2019, 31, 7922-7932.	3.2	17
52	Probing the immune responses to nanoparticles across environmental species. A perspective of the EU Horizon 2020 project PANDORA. Environmental Science: Nano, 2020, 7, 3216-3232.	2.2	17
53	Plasmon-Exciton Interactions on Single Thermoresponsive Platforms Demonstrated by Optical Tweezers. Nano Letters, 2011, 11, 4742-4747.	4.5	14
54	Modeling the Optical Responses of Noble Metal Nanoparticles Subjected to Physicochemical Transformations in Physiological Environments: Aggregation, Dissolution and Oxidation. Zeitschrift Fur Physikalische Chemie, 2017, 231, 33-50.	1.4	13

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55	Hollow PdAg-CeO2 heterodimer nanocrystals as highly structured heterogeneous catalysts. Scientific Reports, 2019, 9, 18776.	1.6	13
56	Introducing visible-light sensitivity into photocatalytic CeO₂ nanoparticles by hybrid particle preparation exploiting plasmonic properties of gold: enhanced photoelectrocatalysis exemplified for hydrogen peroxide sensing. Nanoscale, 2021, 13, 980-990.	2.8	13
57	Sequential Deconstructionâ€“Reconstruction of Metalâ€“Organic Frameworks: An Alternative Strategy for Synthesizing (Multi)-Layered ZIF Composites. ACS Applied Materials & Interfaces, 2018, 10, 23952-23960.	4.0	10
58	Exploring New Synthetic Strategies for the Production of Advanced Complex Inorganic Nanocrystals. Zeitschrift Fur Physikalische Chemie, 2015, 229, 65-83.	1.4	9
59	Robust one-pot synthesis of citrate-stabilized Au@CeO2 hybrid nanocrystals with different thickness and dimensionality. Applied Materials Today, 2019, 15, 445-452.	2.3	9
60	Shell or Dots â^' Precursor Controlled Morphology of Auâ€“Se Deposits on CdSe Nanoparticles. Chemistry of Materials, 2016, 28, 2704-2714.	3.2	8
61	Mechanomodulation of Lipid Membranes by Weakly Aggregating Silver Nanoparticles. Biochemistry, 2019, 58, 4761-4773.	1.2	7
62	Antibody cooperative adsorption onto AuNPs and its exploitation to force natural killer cells to kill HIV-infected T cells. Nano Today, 2021, 36, 101056.	6.2	7
63	Nanocrystalâ€“Molecular Hybrids for the Photocatalytic Oxidation of Water. ACS Applied Energy Materials, 2020, 3, 10008-10014.	2.5	5
64	Assessment of iron oxide nanoparticle ecotoxicity on regeneration and homeostasis in the replacement model system Schmidtea mediterranea. ALTEX: Alternatives To Animal Experimentation, 2019, 36, 583-596.	0.9	5
65	Heterogeneous Rate Constant for Amorphous Silica Nanoparticle Adsorption on Phospholipid Monolayers. Langmuir, 2022, 38, 5372-5380.	1.6	5
66	Analysis of time-dependent conjugation of gold nanoparticles with an antiparkinsonian molecule by using curve resolution methods. Analytica Chimica Acta, 2011, 683, 170-177.	2.6	4
67	Characterizing Nanoparticles Reactivity: Structure-Photocatalytic Activity Relationship. Journal of Physics: Conference Series, 2013, 429, 012040.	0.3	4
68	One-Pot Synthesis of Cationic Gold Nanoparticles by Differential Reduction. Zeitschrift Fur Physikalische Chemie, 2017, 231, 7-18.	1.4	4
69	Pathways Related to NLRP3 Inflammasome Activation Induced by Gold Nanorods. International Journal of Molecular Sciences, 2022, 23, 5763.	1.8	1
70	Inorganic nanoparticles and the immune system: detection, selective activation and tolerance. , 2012, , .		0
71	Hollow metal nanostructures for enhanced plasmonics (Conference Presentation). , 2016, , .		0
72	Increasing complexity of nanocrystals. Nano Today, 2020, 32, 100859.	6.2	0