Francesco R Stellacci

List of Publications by Year in Descending Order

227 papers	18,352 citations	66 h-index	132 g-index
268 ext. papers	20,260 ext. citations	12 avg, IF	7 L-index

#	Paper	IF	Citations
227	Site-selective surface enhanced Raman scattering study of ligand exchange reactions on aggregated Ag nanocubes.. *Journal of Colloid and Interface Science*, **2022**, 616, 110-120	9.3	1
226	Broad-spectrum nanoparticles against bacteriophage infections. *Nanoscale*, **2021**, 13, 18684-18694	7.7	2
225	Amphiphilic nanoparticles generate curvature in lipid membranes and shape liposome-liposome interfaces. *Nanoscale*, **2021**, 13, 16879-16884	7.7	1
224	Nature-Inspired Circular-Economy Recycling for Proteins: Proof of Concept (Adv. Mater. 44/2021). *Advanced Materials*, **2021**, 33, 2170345	24	
223	An antiviral trap made of protein nanofibrils and iron oxyhydroxide nanoparticles. *Nature Nanotechnology*, **2021**, 16, 918-925	28.7	18
222	Chemical sensing with Au and Ag nanoparticles. *Chemical Society Reviews*, **2021**, 50, 1269-1304	58.5	24
221	Non-Toxic Virucidal Macromolecules Show High Efficacy Against Influenza Virus Ex Vivo and In Vivo. *Advanced Science*, **2021**, 8, 2001012	13.6	3
220	Advances in the development of entry inhibitors for sialic-acid-targeting viruses. *Drug Discovery Today*, **2021**, 26, 122-137	8.8	9
219	Cholesterol Hinders the Passive Uptake of Amphiphilic Nanoparticles into Fluid Lipid Membranes. *Journal of Physical Chemistry Letters*, **2021**, 12, 8583-8590	6.4	1
218	Nanoparticle-Induced Disorder at Complex Liquid-Liquid Interfaces: Effects of Curvature and Compositional Synergy on Functional Surfaces. *ACS Nano*, **2021**, 15, 14285-14294	16.7	7
217	Nature-Inspired Circular-Economy Recycling for Proteins: Proof of Concept. *Advanced Materials*, **2021**, 33, e2104581	24	4
216	Broad-Spectrum Antiviral Agents Based on Multivalent Inhibitors of Viral Infectivity. *Advanced Healthcare Materials*, **2021**, 10, e2001433	10.1	10
215	Therapeutic approaches against coronaviruses acute respiratory syndrome. *Pharmacology Research and Perspectives*, **2021**, 9, e00691	3.1	4
214	Control and Characterization of the Compactness of Single-Chain Nanoparticles. *Macromolecules*, **2021**, 54, 11459-11467	5.5	0
213	Comparative characterisation of non-monodisperse gold nanoparticle populations by X-ray scattering and electron microscopy. *Nanoscale*, **2020**, 12, 12007-12013	7.7	3
212	Multi-sulfonated ligands on gold nanoparticles as virucidal antiviral for Dengue virus. *Scientific Reports*, **2020**, 10, 9052	4.9	21
211	Toward Nanotechnology-Enabled Approaches against the COVID-19 Pandemic. *ACS Nano*, **2020**, 14, 6383-6406	16.7	290

210	Reproducibility warning: The curious case of polyethylene glycol 6000 and spheroid cell culture. *PLoS ONE*, **2020**, 15, e0224002	3.7	2
209	The Clustering of mApoE Anti-Amyloidogenic Peptide on Nanoparticle Surface Does Not Alter Its Performance in Controlling Beta-Amyloid Aggregation. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
208	Modified cyclodextrins as broad-spectrum antivirals. *Science Advances*, **2020**, 6, eaax9318	14.3	87
207	Quantification of surface composition and segregation on AuAg bimetallic nanoparticles by MALDI MS. *Nanoscale*, **2020**, 12, 22639-22644	7.7	2
206	Sulfonated Nanomaterials with Broad-Spectrum Antiviral Activity Extending beyond Heparan Sulfate-Dependent Viruses. *Antimicrobial Agents and Chemotherapy*, **2020**, 64,	5.9	7
205	Calcium-triggered fusion of lipid membranes is enabled by amphiphilic nanoparticles. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 18470-18476	11.5	13
204	SARS-CoV-2 Inhibition by Sulfonated Compounds. *Microorganisms*, **2020**, 8,	4.9	9
203	Nanotechnology-based disinfectants and sensors for SARS-CoV-2. *Nature Nanotechnology*, **2020**, 15, 618-621	28.7	171
202	New approach for time-resolved and dynamic investigations on nanoparticles agglomeration. *Nano Research*, **2020**, 13, 2847-2856	10	9
201	Amphiphilic gold nanoparticles perturb phase separation in multidomain lipid membranes. *Nanoscale*, **2020**, 12, 19746-19759	7.7	9
200	Polymeric Micelles Loading Proteins through Concurrent Ion Complexation and pH-Cleavable Covalent Bonding for In Vivo Delivery. *Macromolecular Bioscience*, **2020**, 20, e1900161	5.5	23
199	Unraveling the complexity of amyloid polymorphism using gold nanoparticles and cryo-EM. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 6866-6874	11.5	27
198	Selective Localization of Hierarchically Assembled Particles to Plasma Membranes of Living Cells. *Small Methods*, **2019**, 3, 1800408	12.8	2
197	Multidimensional Characterization of Mixed Ligand Nanoparticles Using Small Angle Neutron Scattering. *Chemistry of Materials*, **2019**, 31, 6750-6758	9.6	6
196	Local photo-mechanical stiffness revealed in gold nanoparticles supracrystals by ultrafast small-angle electron diffraction. *Structural Dynamics*, **2019**, 6, 024304	3.2	1
195	Direct observation of photo-mechanical stiffness in alkanethiol-capped gold nanoparticles supracrystals by ultrafast small-angle electron diffraction. *EPJ Web of Conferences*, **2019**, 205, 04004	0.3	
194	FM19G11-Loaded Gold Nanoparticles Enhance the Proliferation and Self-Renewal of Ependymal Stem Progenitor Cells Derived from ALS Mice. *Cells*, **2019**, 8,	7.9	13
193	An Atomistic Look into Bio-inspired Nanoparticles and their Molecular Interactions with Cells. *Chimia*, **2019**, 73, 78-80	1.3	2

192	Modular soft robotic microdevices for dexterous biomanipulation. *Lab on A Chip*, **2019**, 19, 778-788	7.2	16
191	Ubiquitous aluminium contamination in water and amyloid hybrid membranes as a sustainable possible solution. *Chemical Communications*, **2019**, 55, 11143-11146	5.8	17
190	Patchy Amphiphilic Dendrimers Bind Adenovirus and Control Its Host Interactions and in Vivo Distribution. *ACS Nano*, **2019**, 13, 8749-8759	16.7	18
189	Synthesis and Characterization of Amphiphilic Gold Nanoparticles. *Journal of Visualized Experiments* , **2019**,	1.6	4
188	Microstructured Fibers for the Production of Food. *Advanced Materials*, **2019**, 31, e1807282	24	24
187	Stable Ultraconcentrated and Ultradilute Colloids of CsPbX (X = Cl, Br) Nanocrystals Using Natural Lecithin as a Capping Ligand. *Journal of the American Chemical Society*, **2019**, 141, 19839-19849	16.4	71
186	Determination and evaluation of the nonadditivity in wetting of molecularly heterogeneous surfaces. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 25516-25523	11.5	6
185	On the effect of ligand shell heterogeneity on nanoparticle/protein binding thermodynamics. *Colloids and Surfaces B: Biointerfaces*, **2019**, 174, 367-373	6	20
184	Amphiphilic nanoparticle delivery enhances the anticancer efficacy of a TLR7 ligand via local immune activation. *Biomaterials*, **2019**, 190-191, 111-120	15.6	31
183	Structure-Property Relationships of Amphiphilic Nanoparticles That Penetrate or Fuse Lipid Membranes. *Bioconjugate Chemistry*, **2018**, 29, 1131-1140	6.3	23
182	pH-Mediated molecular differentiation for fluorimetric quantification of chemotherapeutic drugs in human plasma. *Chemical Communications*, **2018**, 54, 1485-1488	5.8	7
181	Novel Sensing Strategies Based on Monolayer Protected Gold Nanoparticles for the Detection of Metal Ions and Small Molecules. *Chemical Record*, **2018**, 18, 819-828	6.6	10
180	Broad-spectrum non-toxic antiviral nanoparticles with a virucidal inhibition mechanism. *Nature Materials*, **2018**, 17, 195-203	27	229
179	Phase behaviour and applications of a binary liquid mixture of methanol and a thermotropic liquid crystal. *Soft Matter*, **2018**, 14, 4615-4620	3.6	14
178	Quantitative 3D determination of self-assembled structures on nanoparticles using small angle neutron scattering. *Nature Communications*, **2018**, 9, 1343	17.4	32
177	Cyclodextrin Modulated Type I Collagen Self-Assembly to Engineer Biomimetic Cornea Implants. *Advanced Functional Materials*, **2018**, 28, 1804076	15.6	21
176	Targeting small molecule drugs to T cells with antibody-directed cell-penetrating gold nanoparticles. *Biomaterials Science*, **2018**, 7, 113-124	7.4	45
175	Edible sensors for meat and seafood freshness. *Sensors and Actuators B: Chemical*, **2018**, 259, 1108-1112	8.5	77

174	Distribution of superparamagnetic Au/Fe nanoparticles in an isolated guinea pig brain with an intact blood brain barrier. *Nanoscale*, **2018**, 10, 22420-22428	7.7	7
173	3D to 2D reorganization of silver-thiol nanostructures, triggered by solvent vapor annealing. *Nanoscale*, **2018**, 10, 23018-23026	7.7	3
172	Bimodal atomic force microscopy for the characterization of thiolated self-assembled monolayers. *Nanoscale*, **2018**, 10, 23027-23036	7.7	9
171	Amorphous CaCO: Influence of the Formation Time on Its Degree of Hydration and Stability. *Journal of the American Chemical Society*, **2018**, 140, 14289-14299	16.4	37
170	Cornea Implants: Cyclodextrin Modulated Type I Collagen Self-Assembly to Engineer Biomimetic Cornea Implants (Adv. Funct. Mater. 41/2018). *Advanced Functional Materials*, **2018**, 28, 1870297	15.6	
169	Mass spectrometry and Monte Carlo method mapping of nanoparticle ligand shell morphology. *Nature Communications*, **2018**, 9, 4478	17.4	11
168	Evolution of Nanoparticle Protein Corona across the Blood-Brain Barrier. *ACS Nano*, **2018**, 12, 7292-7300	16.7	92
167	High-throughput quantitation of inorganic nanoparticle biodistribution at the single-cell level using mass cytometry. *Nature Communications*, **2017**, 8, 14069	17.4	74
166	From Nano- to Micrometer Scale: The Role of Antisolvent Treatment on High Performance Perovskite Solar Cells. *Chemistry of Materials*, **2017**, 29, 3490-3498	9.6	194
165	The van der Waals Interactions of n-Alkanethiol-Covered Surfaces: From Planar to Curved Surfaces. *Angewandte Chemie*, **2017**, 129, 16753-16757	3.6	4
164	The van der Waals Interactions of n-Alkanethiol-Covered Surfaces: From Planar to Curved Surfaces. *Angewandte Chemie - International Edition*, **2017**, 56, 16526-16530	16.4	10
163	Evolution of the Ligand Shell Morphology during Ligand Exchange Reactions on Gold Nanoparticles. *Angewandte Chemie - International Edition*, **2017**, 56, 13521-13525	16.4	26
162	Evolution of the Ligand Shell Morphology during Ligand Exchange Reactions on Gold Nanoparticles. *Angewandte Chemie*, **2017**, 129, 13706-13710	3.6	4
161	Core-Shell Silver Nanoparticles in Endodontic Disinfection Solutions Enable Long-Term Antimicrobial Effect on Oral Biofilms. *ACS Applied Materials & Interfaces*, **2017**, 9, 34762-34772	9.5	27
160	Gold nanoparticles with patterned surface monolayers for nanomedicine: current perspectives. *European Biophysics Journal*, **2017**, 46, 749-771	1.9	46
159	Characterization of Ligand Shell for Mixed-Ligand Coated Gold Nanoparticles. *Accounts of Chemical Research*, **2017**, 50, 1911-1919	24.3	65
158	A novel synthetic approach of cerium oxide nanoparticles with improved biomedical activity. *Scientific Reports*, **2017**, 7, 4636	4.9	63
157	Superparamagnetic Nanoparticles as High Efficiency Magnetic Resonance Imaging T Contrast Agent. *Bioconjugate Chemistry*, **2017**, 28, 161-170	6.3	17

156	Host-guest chemistry with water-soluble gold nanoparticle supraspheres. *Nature Nanotechnology*, **2017**, 12, 170-176	28.7	48
155	Fluorinated and Charged Hydrogenated Alkanethiolates Grafted on Gold: Expanding the Diversity of Mixed-Monolayer Nanoparticles for Biological Applications. *Bioconjugate Chemistry*, **2017**, 28, 43-52	6.3	14
154	A review of molecular phase separation in binary self-assembled monolayers of thiols on gold surfaces. *Europhysics Letters*, **2017**, 119, 66001	1.6	13
153	Recent Advances in the Synthesis and Applications of Multimodal Gold-Iron Nanoparticles. *Current Medicinal Chemistry*, **2017**, 24, 497-511	4.3	5
152	Thermally-nucleated self-assembly of water and alcohol into stable structures at hydrophobic interfaces. *Nature Communications*, **2016**, 7, 13064	17.4	29
151	A centrifugation-based physicochemical characterization method for the interaction between proteins and nanoparticles. *Nature Communications*, **2016**, 7, 13121	17.4	70
150	Synthesis and characterization of mixed ligand chiral nanoclusters. *Dalton Transactions*, **2016**, 45, 11297-300	4.0	7
149	Freestanding Ultrathin Nanoparticle Membranes Assembled at Transient Liquid–Liquid Interfaces. *Advanced Materials Interfaces*, **2016**, 3, 1600191	4.6	15
148	Two-Dimensional Nanoparticle Supracrystals: A Model System for Two-Dimensional Melting. *Nano Letters*, **2016**, 16, 1352-8	11.5	19
147	A silica-based magnetic platform decorated with mixed ligand gold nanoparticles: a recyclable catalyst for esterification reactions. *Chemical Communications*, **2016**, 52, 5573-6	5.8	11
146	Light-induced Dynamics of a Dodecanethiol-capped Gold Nanoparticles Supracrystal Revealed by Ultrafast Small-angle Electron Diffraction **2016**,		2
145	Additives for vaccine storage to improve thermal stability of adenoviruses from hours to months. *Nature Communications*, **2016**, 7, 13520	17.4	51
144	Gold Nanostar-Coated Polystyrene Beads as Multifunctional Nanoprobes for SERS Bioimaging. *Journal of Physical Chemistry C*, **2016**, 120, 20860-20868	3.8	57
143	Order/Disorder Dynamics in a Dodecanethiol-Capped Gold Nanoparticles Supracrystal by Small-Angle Ultrafast Electron Diffraction. *Nano Letters*, **2016**, 16, 2705-13	11.5	38
142	Influence of the glycocalyx and plasma membrane composition on amphiphilic gold nanoparticle association with erythrocytes. *Nanoscale*, **2015**, 7, 11420-32	7.7	42
141	Growth and Dissolution of Calcite in the Presence of Adsorbed Stearic Acid. *Langmuir*, **2015**, 31, 7563-714		29
140	In Situ Mapping of the Molecular Arrangement of Amphiphilic Dye Molecules at the TiO_2 Surface of Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2015**, 7, 10834-42	9.5	30
139	Antibacterial activity of silver nanoparticles: A surface science insight. *Nano Today*, **2015**, 10, 339-354	17.9	778

138	Isolation and Characterization of Monodisperse Core-Shell Nanoparticle Fractions. *Langmuir*, **2015**, 31, 11179-85	4	3
137	Conductivity in organic semiconductors hybridized with the vacuum field. *Nature Materials*, **2015**, 14, 1123-9	27	305
136	Nanosensors for early cancer detection and for therapeutic drug monitoring. *Nanomedicine*, **2015**, 10, 3495-512	5.6	43
135	Future Perspectives Towards the Use of Nanomaterials for Smart Food Packaging and Quality Control. *Particle and Particle Systems Characterization*, **2015**, 32, 408-416	3.1	29
134	Response to "Critical Assessment of the Evidence for Striped Nanoparticles". *PLoS ONE*, **2015**, 10, e0135594	3.7	18
133	Co-precipitation of oppositely charged nanoparticles: the case of mixed ligand nanoparticles. *Journal Physics D: Applied Physics*, **2015**, 48, 434001	3	6
132	Contact angle and adsorption energies of nanoparticles at the air-liquid interface determined by neutron reflectivity and molecular dynamics. *Nanoscale*, **2015**, 7, 5665-73	7.7	42
131	Scanning tunneling microscopy and small angle neutron scattering study of mixed monolayer protected gold nanoparticles in organic solvents. *Chemical Science*, **2014**, 5, 1232	9.4	35
130	Lipid tail protrusions mediate the insertion of nanoparticles into model cell membranes. *Nature Communications*, **2014**, 5, 4482	17.4	163
129	Comparative STM studies of mixed ligand monolayers on gold nanoparticles in air and in 1-phenyloctane. *Chemical Communications*, **2014**, 50, 10456-9	5.8	13
128	A general mechanism for intracellular toxicity of metal-containing nanoparticles. *Nanoscale*, **2014**, 6, 7052-61	7.7	320
127	Enhancing radiotherapy by lipid nanocapsule-mediated delivery of amphiphilic gold nanoparticles to intracellular membranes. *ACS Nano*, **2014**, 8, 8992-9002	16.7	82
126	Effects of surface compositional and structural heterogeneity on nanoparticle-protein interactions: different protein configurations. *ACS Nano*, **2014**, 8, 5402-12	16.7	115
125	Change of Luminescence Properties of Europium Ions Captured by Mixed-Ligand Silver Nanoparticles. *Israel Journal of Chemistry*, **2014**, 54, 708-711	3.4	
124	High-Surface-Area Porous Platinum Electrodes for Enhanced Charge Transfer. *Advanced Energy Materials*, **2014**, 4, 1400510	21.8	22
123	Protein-nanoparticle interactions: the effects of surface compositional and structural heterogeneity are scale dependent. *Nanoscale*, **2013**, 5, 6928-35	7.7	92
122	Nanoscale topography and chemistry affect embryonic stem cell self-renewal and early differentiation. *Advanced Healthcare Materials*, **2013**, 2, 1644-50	10.1	30
121	Effect of particle diameter and surface composition on the spontaneous fusion of monolayer-protected gold nanoparticles with lipid bilayers. *Nano Letters*, **2013**, 13, 4060-7	11.5	192

120	Colloidal stability of self-assembled monolayer-coated gold nanoparticles: the effects of surface compositional and structural heterogeneity. *Langmuir*, **2013**, 29, 11560-6	4	26
119	Gold nanoparticles protected by fluorinated ligands for 19F MRI. *Chemical Communications*, **2013**, 49, 8794-6	5.8	33
118	Amphiphilic amino acids: a key to adsorbing proteins to nanopatterned surfaces?. *Chemical Science*, **2013**, 4, 928-937	9.4	45
117	Sensing single mixed-monolayer protected gold nanoparticles by the □hemolysin nanopore. *Analytical Chemistry*, **2013**, 85, 10149-58	7.8	19
116	Quantitative analysis of scanning tunneling microscopy images of mixed-ligand-functionalized nanoparticles. *Langmuir*, **2013**, 29, 13723-34	4	30
115	A scalable synthesis of highly stable and water dispersible Ag44(SR)30 nanoclusters. *Journal of Materials Chemistry A*, **2013**, 1, 10148	13	66
114	Materials science. Droplets out of equilibrium. *Science*, **2013**, 341, 243-4	33.3	18
113	High-resolution scanning tunneling microscopy characterization of mixed monolayer protected gold nanoparticles. *ACS Nano*, **2013**, 7, 8529-39	16.7	73
112	Seeded solution growth of nanoparticles into ordered three-dimensional supracrystals. *RSC Advances*, **2013**, 3, 10628	3.7	2
111	Ligand-Shell-Directed Assembly and Depolymerization of Patchy Nanoparticles. *Angewandte Chemie*, **2013**, 125, 1002-1006	3.6	5
110	Ligand-shell-directed assembly and depolymerization of patchy nanoparticles. *Angewandte Chemie - International Edition*, **2013**, 52, 968-72	16.4	13
109	An integrated system for large scale scanning of nuclear emulsions. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2013**, 703, 204-212	1.2	11
108	Direct visualization of single ions in the Stern layer of calcite. *Langmuir*, **2013**, 29, 2207-16	4	133
107	Electrical method to quantify nanoparticle interaction with lipid bilayers. *ACS Nano*, **2013**, 7, 932-42	16.7	84
106	Erythrocyte incubation as a method for free-dye presence determination in fluorescently labeled nanoparticles. *Molecular Pharmaceutics*, **2013**, 10, 875-82	5.6	18
105	Low-voltage self-assembled monolayer field-effect transistors on flexible substrates. *Advanced Materials*, **2013**, 25, 4511-4	24	69
104	Identifying champion nanostructures for solar water-splitting. *Nature Materials*, **2013**, 12, 842-9	27	474
103	Hydrophobic meshes for oil spill recovery devices. *ACS Applied Materials & Interfaces*, **2013**, 5, 774-81	9.5	128

102	Advances in Janus nanoparticles. *Chimia*, **2013**, 67, 811-8	1.3	23
101	Stem Cells: Nanoscale Topography and Chemistry Affect Embryonic Stem Cell Self-Renewal and Early Differentiation (Adv. Healthcare Mater. 12/2013). *Advanced Healthcare Materials*, **2013**, 2, 1538-1538	10.1	
100	Dynamic cellular uptake of mixed-monolayer protected nanoparticles. *Biointerphases*, **2012**, 7, 17	1.8	34
99	Long-lived charge-separated states in ligand-stabilized silver clusters. *Journal of the American Chemical Society*, **2012**, 134, 11856-9	16.4	61
98	Response to "Stripy Nanoparticles Revisited". *Small*, **2012**, 8, 3720-3726	11	28
97	Diameter Effect on the Sidewall Functionalization of Single-Walled Carbon Nanotubes by Addition of Dichlorocarbene. *Advanced Functional Materials*, **2012**, 22, 5216-5223	15.6	12
96	Regioselective placement of alkanethiolate domains on tetrahedral and octahedral gold nanocrystals. *Chemical Communications*, **2012**, 48, 9765-7	5.8	13
95	Determination of monolayer-protected gold nanoparticle ligand-shell morphology using NMR. *Nature Communications*, **2012**, 3, 1182	17.4	139
94	Ultrasensitive detection of toxic cations through changes in the tunnelling current across films of striped nanoparticles. *Nature Materials*, **2012**, 11, 978-85	27	187
93	Ag44(SR)30(4-): a silver-thiolate superatom complex. *Nanoscale*, **2012**, 4, 4269-74	7.7	138
92	Nucleation and island growth of alkanethiolate ligand domains on gold nanoparticles. *ACS Nano*, **2012**, 6, 629-40	16.7	66
91	New mixed ligand coated platinum nanoparticles for heterogeneous catalytic applications. *Catalysis Today*, **2012**, 198, 77-84	5.3	13
90	Synthesis and characterization of Janus gold nanoparticles. *Advanced Materials*, **2012**, 24, 3857-63	24	66
89	Direct investigation of intracellular presence of gold nanoparticles via photothermal heterodyne imaging. *ACS Nano*, **2011**, 5, 2587-92	16.7	75
88	Ordering surfaces on the nanoscale: implications for protein adsorption. *Journal of the American Chemical Society*, **2011**, 133, 1438-50	16.4	130
87	Low-voltage p- and n-type organic self-assembled monolayer field effect transistors. *Nano Letters*, **2011**, 11, 156-9	11.5	97
86	Artificial surface-modified Si_3N_4 nanopores for single surface-modified gold nanoparticle scanning. *Small*, **2011**, 7, 455-9	11	30
85	Carbene-functionalized single-walled carbon nanotubes and their electrical properties. *Small*, **2011**, 7, 1257-63	11	20

84	Evolution of langmuir film of nanoparticles through successive compression cycles. *Small*, **2011**, 7, 2526-32	11	20
83	Mixed-ligand nanoparticles as supramolecular receptors. *Small*, **2011**, 7, 1961-6	11	33
82	Effect of Composition on the Catalytic Properties of Mixed-Ligand-Coated Gold Nanoparticles. *Angewandte Chemie*, **2011**, 123, 8046-8051	3.6	4
81	Oligonucleotide Delivery by Cell-Penetrating "Striped" Nanoparticles. *Angewandte Chemie*, **2011**, 123, 12520-12523	3.6	11
80	Effect of composition on the catalytic properties of mixed-ligand-coated gold nanoparticles. *Angewandte Chemie - International Edition*, **2011**, 50, 7900-5	16.4	45
79	Oligonucleotide delivery by cell-penetrating "striped" nanoparticles. *Angewandte Chemie - International Edition*, **2011**, 50, 12312-12315	16.4	66
78	Striped nanowires and nanorods from mixed SAMS. *Nanoscale*, **2011**, 3, 3244-50	7.7	37
77	Determination of nanoparticle size distribution together with density or molecular weight by 2D analytical ultracentrifugation. *Nature Communications*, **2011**, 2, 335	17.4	182
76	Direct mapping of the solid-liquid adhesion energy with subnanometre resolution. *Nature Nanotechnology*, **2010**, 5, 401-5	28.7	146
75	Capturing a DNA duplex under near-physiological conditions. *Applied Physics Letters*, **2010**, 97, 163702	3.4	6
74	Parallel fabrication of polymer-protected nanogaps. *Nanotechnology*, **2010**, 21, 385303	3.4	7
73	Self-aligned nanolithography by selective polymer dissolution. *Nanoscale*, **2010**, 2, 2302-6	7.7	8
72	Fabrication of biomolecular devices via supramolecular contact-based approaches. *Chemical Society Reviews*, **2010**, 39, 30-7	58.5	26
71	Optical limiting with complex plasmonic nanoparticles. *Journal of Optics (United Kingdom)*, **2010**, 12, 065001	2.1	20
70	Supramolecular replication of peptide and DNA patterned arrays. *Journal of Materials Chemistry*, **2010**, 20, 68-70		3
69	Heterozygous germline mutations in the CBL tumor-suppressor gene cause a Noonan syndrome-like phenotype. *American Journal of Human Genetics*, **2010**, 87, 250-7	11	179
68	A Study of the Surface Plasmon Resonance of Silver Nanoparticles by the Discrete Dipole Approximation Method: Effect of Shape, Size, Structure, and Assembly. *Plasmonics*, **2010**, 5, 85-97	2.4	470
67	Two-photon excited fluorescence enhancement for ultrasensitive DNA detection on large-area gold nanopatterns. *Advanced Materials*, **2010**, 22, 2542-6	24	32

66	Concept of a molecular charge storage dielectric layer for organic thin-film memory transistors. *Advanced Materials*, **2010**, 22, 2525-8	24	109
65	Compartmentalization of Gold Nanocrystals in Polymer Microparticles using Electrohydrodynamic Co-Jetting. *Macromolecular Rapid Communications*, **2010**, 31, 176-82	4.8	34
64	Effect of surface properties on nanoparticle-cell interactions. *Small*, **2010**, 6, 12-21	11	1964
63	Near-field excitation and near-field detection of propagating surface plasmon polaritons on Au waveguide structures. *Applied Physics Letters*, **2009**, 94, 243118	3.4	27
62	Silver Nanoparticles with Broad Multiband Linear Optical Absorption. *Angewandte Chemie*, **2009**, 121, 6035-6040	3.6	74
61	Silver nanoparticles with broad multiband linear optical absorption. *Angewandte Chemie - International Edition*, **2009**, 48, 5921-6	16.4	223
60	Electrophysiological study of single gold nanoparticle/alpha-Hemolysin complex formation: a nanotool to slow down ssDNA through the alpha-Hemolysin nanopore. *Small*, **2009**, 5, 1273-8	11	24
59	Polymer-protected sub-2-nm-nanogap fabrication for biological sensing in near-physiological conditions. *Small*, **2009**, 5, 2797-801	11	14
58	The effect of nanometre-scale structure on interfacial energy. *Nature Materials*, **2009**, 8, 837-42	27	196
57	Exploiting substrate stress to modify nanoscale SAM patterns. *Journal of the American Chemical Society*, **2009**, 131, 16377-9	16.4	25
56	Doping molecular wires. *Nano Letters*, **2009**, 9, 2559-64	11.5	29
55	Statistical Analysis of Scanning Tunneling Microscopy Images of 'Striped' Mixed Monolayer Protected Gold Nanoparticles. *Journal of Scanning Probe Microscopy*, **2009**, 4, 24-35		15
54	Surface-structure-regulated cell-membrane penetration by monolayer-protected nanoparticles. *Nature Materials*, **2008**, 7, 588-95	27	1058
53	Superwetting nanowire membranes for selective absorption. *Nature Nanotechnology*, **2008**, 3, 332-6	28.7	912
52	Size limitations for the formation of ordered striped nanoparticles. *Journal of the American Chemical Society*, **2008**, 130, 798-9	16.4	96
51	Water-soluble amphiphilic gold nanoparticles with structured ligand shells. *Chemical Communications*, **2008**, 196-8	5.8	88
50	Reversible aggregation of porphyrins in the solid state View all notes. *Journal of Experimental Nanoscience*, **2008**, 3, 53-60	1.9	6
49	The role of nanostructure in the wetting behavior of mixed-monolayer-protected metal nanoparticles. *Proceedings of the National Academy of Sciences of the United States of America*, **2008** , 105, 9886-91	11.5	98

48	Quasi-periodic distribution of plasmon modes in two-dimensional Fibonacci arrays of metal nanoparticles. *Optics Express*, **2008**, 16, 5544-55	3.3	40
47	Ultra-fast and scalable sidewall functionalisation of single-walled carbon nanotubes with carboxylic acid. *Chemical Communications*, **2008**, 2788-90	5.8	7
46	Effect of Ligand Shell Structure on the Interaction between Monolayer-Protected Gold Nanoparticles. *Journal of Physical Chemistry C*, **2008**, 112, 6279-6284	3.8	24
45	Self-Assembled Monolayer of Short Carboxyl-Terminated Molecules Investigated with ex Situ Scanning Tunneling Microscopy. *Journal of Physical Chemistry C*, **2008**, 112, 7431-7435	3.8	10
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