

Francesco R Stellacci

List of Publications by Citations

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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.

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	Effect of surface properties on nanoparticle-cell interactions. <i>Small</i> , 2010 , 6, 12-21	11	1964
226	Surface-structure-regulated cell-membrane penetration by monolayer-protected nanoparticles. <i>Nature Materials</i> , 2008 , 7, 588-95	27	1058
225	Superwetting nanowire membranes for selective absorption. <i>Nature Nanotechnology</i> , 2008 , 3, 332-6	28.7	912
224	Antibacterial activity of silver nanoparticles: A surface science insight. <i>Nano Today</i> , 2015 , 10, 339-354	17.9	778
223	Low-voltage organic transistors with an amorphous molecular gate dielectric. <i>Nature</i> , 2004 , 431, 963-6	50.4	702
222	Divalent metal nanoparticles. <i>Science</i> , 2007 , 315, 358-61	33.3	571
221	Spontaneous assembly of subnanometre-ordered domains in the ligand shell of monolayer-protected nanoparticles. <i>Nature Materials</i> , 2004 , 3, 330-6	27	500
220	Identifying champion nanostructures for solar water-splitting. <i>Nature Materials</i> , 2013 , 12, 842-9	27	474
219	A Study of the Surface Plasmon Resonance of Silver Nanoparticles by the Discrete Dipole Approximation Method: Effect of Shape, Size, Structure, and Assembly. <i>Plasmonics</i> , 2010 , 5, 85-97	2.4	470
218	Integration of Photosynthetic Protein Molecular Complexes in Solid-State Electronic Devices. <i>Nano Letters</i> , 2004 , 4, 1079-1083	11.5	329
217	A general mechanism for intracellular toxicity of metal-containing nanoparticles. <i>Nanoscale</i> , 2014 , 6, 7052-61	7.7	320
216	Conductivity in organic semiconductors hybridized with the vacuum field. <i>Nature Materials</i> , 2015 , 14, 1123-9	27	305
215	Toward Nanotechnology-Enabled Approaches against the COVID-19 Pandemic. <i>ACS Nano</i> , 2020 , 14, 6383-6406	16.7	290
214	Broad-spectrum non-toxic antiviral nanoparticles with a virucidal inhibition mechanism. <i>Nature Materials</i> , 2018 , 17, 195-203	27	229
213	Entropy-mediated patterning of surfactant-coated nanoparticles and surfaces. <i>Physical Review Letters</i> , 2007 , 99, 226106	7.4	226
212	Silver nanoparticles with broad multiband linear optical absorption. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5921-6	16.4	223
211	High-Yield Synthesis of Multi-Branched Urchin-Like Gold Nanoparticles. <i>Chemistry of Materials</i> , 2006 , 18, 3297-3301	9.6	223

210	The effect of nanometre-scale structure on interfacial energy. <i>Nature Materials</i> , 2009 , 8, 837-42	27	196
209	From Nano- to Micrometer Scale: The Role of Antisolvent Treatment on High Performance Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2017 , 29, 3490-3498	9.6	194
208	Effect of particle diameter and surface composition on the spontaneous fusion of monolayer-protected gold nanoparticles with lipid bilayers. <i>Nano Letters</i> , 2013 , 13, 4060-7	11.5	192
207	Five Orders-of-Magnitude Enhancement of Two-Photon Absorption for Dyes on Silver Nanoparticle Fractal Clusters. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 6853-6863	3.4	188
206	Ultrasensitive detection of toxic cations through changes in the tunnelling current across films of striped nanoparticles. <i>Nature Materials</i> , 2012 , 11, 978-85	27	187
205	Determination of nanoparticle size distribution together with density or molecular weight by 2D analytical ultracentrifugation. <i>Nature Communications</i> , 2011 , 2, 335	17.4	182
204	Heterozygous germline mutations in the CBL tumor-suppressor gene cause a Noonan syndrome-like phenotype. <i>American Journal of Human Genetics</i> , 2010 , 87, 250-7	11	179
203	From homoligand- to mixed-ligand- monolayer-protected metal nanoparticles: a scanning tunneling microscopy investigation. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11135-49	16.4	174
202	Laser and Electron-Beam Induced Growth of Nanoparticles for 2D and 3D Metal Patterning. <i>Advanced Materials</i> , 2002 , 14, 194-198	24	174
201	Nanotechnology-based disinfectants and sensors for SARS-CoV-2. <i>Nature Nanotechnology</i> , 2020 , 15, 618-621	28.7	171
200	Lipid tail protrusions mediate the insertion of nanoparticles into model cell membranes. <i>Nature Communications</i> , 2014 , 5, 4482	17.4	163
199	Direct mapping of the solid-liquid adhesion energy with subnanometre resolution. <i>Nature Nanotechnology</i> , 2010 , 5, 401-5	28.7	146
198	Chains of Superparamagnetic Nanoparticles. <i>Advanced Materials</i> , 2008 , 20, 4294-4299	24	143
197	Determination of monolayer-protected gold nanoparticle ligand-shell morphology using NMR. <i>Nature Communications</i> , 2012 , 3, 1182	17.4	139
196	Ag ₄₄ (SR) ₃₀ (4-): a silver-thiolate superatom complex. <i>Nanoscale</i> , 2012 , 4, 4269-74	7.7	138
195	Direct visualization of single ions in the Stern layer of calcite. <i>Langmuir</i> , 2013 , 29, 2207-16	4	133
194	Size Fractionation of Metal Nanoparticles by Membrane Filtration. <i>Advanced Materials</i> , 2005 , 17, 532-535	24	133
193	Ordering surfaces on the nanoscale: implications for protein adsorption. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1438-50	16.4	130

192	Hydrophobic meshes for oil spill recovery devices. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 774-805	11.5	128
191	Photoresponsive Hydrogel Microstructure Fabricated by Two-Photon Initiated Polymerization. <i>Advanced Functional Materials</i> , 2002 , 12, 611-614	15.6	126
190	Effects of surface compositional and structural heterogeneity on nanoparticle-protein interactions: different protein configurations. <i>ACS Nano</i> , 2014 , 8, 5402-12	16.7	115
189	Concept of a molecular charge storage dielectric layer for organic thin-film memory transistors. <i>Advanced Materials</i> , 2010 , 22, 2525-8	24	109
188	Assembly of metal nanoparticles into nanogaps. <i>Small</i> , 2007 , 3, 488-99	11	106
187	A High Quantum Yield Diarylethene-Backbone Photochromic Polymer. <i>Advanced Materials</i> , 1999 , 11, 292-295	24	105
186	The role of nanostructure in the wetting behavior of mixed-monolayer-protected metal nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 9886-91	11.5	98
185	Low-voltage p- and n-type organic self-assembled monolayer field effect transistors. <i>Nano Letters</i> , 2011 , 11, 156-9	11.5	97
184	Size limitations for the formation of ordered striped nanoparticles. <i>Journal of the American Chemical Society</i> , 2008 , 130, 798-9	16.4	96
183	Shape-controlled growth of micrometer-sized gold crystals by a slow reduction method. <i>Small</i> , 2006 , 2, 1046-50	11	96
182	Phase separation on mixed-monolayer-protected metal nanoparticles: a study by infrared spectroscopy and scanning tunneling microscopy. <i>Small</i> , 2007 , 3, 814-7	11	93
181	Protein-nanoparticle interactions: the effects of surface compositional and structural heterogeneity are scale dependent. <i>Nanoscale</i> , 2013 , 5, 6928-35	7.7	92
180	Evolution of Nanoparticle Protein Corona across the Blood-Brain Barrier. <i>ACS Nano</i> , 2018 , 12, 7292-7300	16.7	92
179	Water-soluble amphiphilic gold nanoparticles with structured ligand shells. <i>Chemical Communications</i> , 2008 , 196-8	5.8	88
178	Modified cyclodextrins as broad-spectrum antivirals. <i>Science Advances</i> , 2020 , 6, eaax9318	14.3	87
177	Electrical method to quantify nanoparticle interaction with lipid bilayers. <i>ACS Nano</i> , 2013 , 7, 932-42	16.7	84
176	Enhancing radiotherapy by lipid nanocapsule-mediated delivery of amphiphilic gold nanoparticles to intracellular membranes. <i>ACS Nano</i> , 2014 , 8, 8992-9002	16.7	82
175	Ultrabright supramolecular beacons based on the self-assembly of two-photon chromophores on metal nanoparticles. <i>Journal of the American Chemical Society</i> , 2003 , 125, 328-9	16.4	82

174	Bis(dioxaborine) compounds with large two-photon cross sections, and their use in the photodeposition of silver. <i>Chemical Communications</i> , 2003 , 1490-1491	5.8	80
173	Edible sensors for meat and seafood freshness. <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 1108-1112	8.5	77
172	Direct investigation of intracellular presence of gold nanoparticles via photothermal heterodyne imaging. <i>ACS Nano</i> , 2011 , 5, 2587-92	16.7	75
171	High-throughput quantitation of inorganic nanoparticle biodistribution at the single-cell level using mass cytometry. <i>Nature Communications</i> , 2017 , 8, 14069	17.4	74
170	Silver Nanoparticles with Broad Multiband Linear Optical Absorption. <i>Angewandte Chemie</i> , 2009 , 121, 6035-6040	3.6	74
169	High-resolution scanning tunneling microscopy characterization of mixed monolayer protected gold nanoparticles. <i>ACS Nano</i> , 2013 , 7, 8529-39	16.7	73
168	Photoswitchable flexible and shape-persistent dendrimers: comparison of the interplay between a photochromic azobenzene core and dendrimer structure. <i>Journal of the American Chemical Society</i> , 2004 , 126, 2181-5	16.4	72
167	Stable Ultraconcentrated and Ultradilute Colloids of CsPbX (X = Cl, Br) Nanocrystals Using Natural Lecithin as a Capping Ligand. <i>Journal of the American Chemical Society</i> , 2019 , 141, 19839-19849	16.4	71
166	A centrifugation-based physicochemical characterization method for the interaction between proteins and nanoparticles. <i>Nature Communications</i> , 2016 , 7, 13121	17.4	70
165	Low-voltage self-assembled monolayer field-effect transistors on flexible substrates. <i>Advanced Materials</i> , 2013 , 25, 4511-4	24	69
164	A scalable synthesis of highly stable and water dispersible Ag ₄₄ (SR) ₃₀ nanoclusters. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10148	13	66
163	Nucleation and island growth of alkanethiolate ligand domains on gold nanoparticles. <i>ACS Nano</i> , 2012 , 6, 629-40	16.7	66
162	Synthesis and characterization of Janus gold nanoparticles. <i>Advanced Materials</i> , 2012 , 24, 3857-63	24	66
161	Oligonucleotide delivery by cell-penetrating "striped" nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12312-12315	16.4	66
160	Characterization of Ligand Shell for Mixed-Ligand Coated Gold Nanoparticles. <i>Accounts of Chemical Research</i> , 2017 , 50, 1911-1919	24.3	65
159	A novel synthetic approach of cerium oxide nanoparticles with improved biomedical activity. <i>Scientific Reports</i> , 2017 , 7, 4636	4.9	63
158	Long-lived charge-separated states in ligand-stabilized silver clusters. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11856-9	16.4	61
157	Gold Nanostar-Coated Polystyrene Beads as Multifunctional Nanoprobes for SERS Bioimaging. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 20860-20868	3.8	57

156	Supramolecular nanostamping: using DNA as movable type. <i>Nano Letters</i> , 2005 , 5, 1061-4	11.5	56
155	Diarylethene-based photochromic rewritable optical memories: on the possibility of reading in the mid-infrared. <i>Chemical Physics Letters</i> , 1999 , 302, 563-570	2.5	54
154	Additives for vaccine storage to improve thermal stability of adenoviruses from hours to months. <i>Nature Communications</i> , 2016 , 7, 13520	17.4	51
153	Host-guest chemistry with water-soluble gold nanoparticle supraspheres. <i>Nature Nanotechnology</i> , 2017 , 12, 170-176	28.7	48
152	Gold nanoparticles with patterned surface monolayers for nanomedicine: current perspectives. <i>European Biophysics Journal</i> , 2017 , 46, 749-771	1.9	46
151	Amphiphilic amino acids: a key to adsorbing proteins to nanopatterned surfaces?. <i>Chemical Science</i> , 2013 , 4, 928-937	9.4	45
150	Effect of composition on the catalytic properties of mixed-ligand-coated gold nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7900-5	16.4	45
149	High resolution printing of DNA feature on poly(methyl methacrylate) substrates using supramolecular nano-stamping. <i>Journal of the American Chemical Society</i> , 2005 , 127, 16774-5	16.4	45
148	Targeting small molecule drugs to T cells with antibody-directed cell-penetrating gold nanoparticles. <i>Biomaterials Science</i> , 2018 , 7, 113-124	7.4	45
147	Nanosensors for early cancer detection and for therapeutic drug monitoring. <i>Nanomedicine</i> , 2015 , 10, 3495-512	5.6	43
146	Influence of the glycocalyx and plasma membrane composition on amphiphilic gold nanoparticle association with erythrocytes. <i>Nanoscale</i> , 2015 , 7, 11420-32	7.7	42
145	Contact angle and adsorption energies of nanoparticles at the air-liquid interface determined by neutron reflectivity and molecular dynamics. <i>Nanoscale</i> , 2015 , 7, 5665-73	7.7	42
144	Quasi-periodic distribution of plasmon modes in two-dimensional Fibonacci arrays of metal nanoparticles. <i>Optics Express</i> , 2008 , 16, 5544-55	3.3	40
143	Order/Disorder Dynamics in a Dodecanethiol-Capped Gold Nanoparticles Supracrystal by Small-Angle Ultrafast Electron Diffraction. <i>Nano Letters</i> , 2016 , 16, 2705-13	11.5	38
142	Striped nanowires and nanorods from mixed SAMS. <i>Nanoscale</i> , 2011 , 3, 3244-50	7.7	37
141	Amorphous CaCO ₃ : Influence of the Formation Time on Its Degree of Hydration and Stability. <i>Journal of the American Chemical Society</i> , 2018 , 140, 14289-14299	16.4	37
140	Scanning tunneling microscopy and small angle neutron scattering study of mixed monolayer protected gold nanoparticles in organic solvents. <i>Chemical Science</i> , 2014 , 5, 1232	9.4	35
139	Dynamic cellular uptake of mixed-monolayer protected nanoparticles. <i>Biointerphases</i> , 2012 , 7, 17	1.8	34

138	Compartmentalization of Gold Nanocrystals in Polymer Microparticles using Electrohydrodynamic Co-Jetting. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 176-82	4.8	34
137	Gold nanoparticles protected by fluorinated ligands for 19F MRI. <i>Chemical Communications</i> , 2013 , 49, 8794-6	5.8	33
136	Mixed-ligand nanoparticles as supramolecular receptors. <i>Small</i> , 2011 , 7, 1961-6	11	33
135	Quantitative 3D determination of self-assembled structures on nanoparticles using small angle neutron scattering. <i>Nature Communications</i> , 2018 , 9, 1343	17.4	32
134	Two-photon excited fluorescence enhancement for ultrasensitive DNA detection on large-area gold nanopatterns. <i>Advanced Materials</i> , 2010 , 22, 2542-6	24	32
133	Ultrafast photoinduced ring-closure dynamics of a diarylethene polymer. <i>Chemical Physics Letters</i> , 2002 , 359, 278-282	2.5	31
132	Amphiphilic nanoparticle delivery enhances the anticancer efficacy of a TLR7 ligand via local immune activation. <i>Biomaterials</i> , 2019 , 190-191, 111-120	15.6	31
131	In Situ Mapping of the Molecular Arrangement of Amphiphilic Dye Molecules at the TiO ₂ Surface of Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10834-42	9.5	30
130	Nanoscale topography and chemistry affect embryonic stem cell self-renewal and early differentiation. <i>Advanced Healthcare Materials</i> , 2013 , 2, 1644-50	10.1	30
129	Quantitative analysis of scanning tunneling microscopy images of mixed-ligand-functionalized nanoparticles. <i>Langmuir</i> , 2013 , 29, 13723-34	4	30
128	Artificial surface-modified SiO ₂ Nanopores for single surface-modified gold nanoparticle scanning. <i>Small</i> , 2011 , 7, 455-9	11	30
127	Relationship Between Structure and Solubility of Thiol-Protected Silver Nanoparticles and Assemblies. <i>Topics in Catalysis</i> , 2008 , 47, 32-41	2.3	30
126	Growth and Dissolution of Calcite in the Presence of Adsorbed Stearic Acid. <i>Langmuir</i> , 2015 , 31, 7563-714		29
125	Future Perspectives Towards the Use of Nanomaterials for Smart Food Packaging and Quality Control. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 408-416	3.1	29
124	Thermally-nucleated self-assembly of water and alcohol into stable structures at hydrophobic interfaces. <i>Nature Communications</i> , 2016 , 7, 13064	17.4	29
123	Doping molecular wires. <i>Nano Letters</i> , 2009 , 9, 2559-64	11.5	29
122	Response to "Stripy Nanoparticles Revisited" <i>Small</i> , 2012 , 8, 3720-3726	11	28
121	Core-Shell Silver Nanoparticles in Endodontic Disinfection Solutions Enable Long-Term Antimicrobial Effect on Oral Biofilms. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 34762-34772	9.5	27

120	Near-field excitation and near-field detection of propagating surface plasmon polaritons on Au waveguide structures. <i>Applied Physics Letters</i> , 2009 , 94, 243118	3.4	27
119	Thermodynamic Study of the Reactivity of the Two Topological Point Defects Present in Mixed Self-Assembled Monolayers on Gold Nanoparticles. <i>Advanced Materials</i> , 2008 , 20, 4243-4247	24	27
118	Unraveling the complexity of amyloid polymorphism using gold nanoparticles and cryo-EM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 6866-6874	11.5	27
117	Colloidal stability of self-assembled monolayer-coated gold nanoparticles: the effects of surface compositional and structural heterogeneity. <i>Langmuir</i> , 2013 , 29, 11560-6	4	26
116	Evolution of the Ligand Shell Morphology during Ligand Exchange Reactions on Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13521-13525	16.4	26
115	Fabrication of biomolecular devices via supramolecular contact-based approaches. <i>Chemical Society Reviews</i> , 2010 , 39, 30-7	58.5	26
114	Exploiting substrate stress to modify nanoscale SAM patterns. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16377-9	16.4	25
113	Chemically directed assembly of monolayer protected gold nanoparticles on lithographically generated patterns. <i>Journal of Materials Chemistry</i> , 2006 , 16, 962		25
112	Electrophysiological study of single gold nanoparticle/alpha-Hemolysin complex formation: a nanotool to slow down ssDNA through the alpha-Hemolysin nanopore. <i>Small</i> , 2009 , 5, 1273-8	11	24
111	Effect of Ligand Shell Structure on the Interaction between Monolayer-Protected Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 6279-6284	3.8	24
110	A Generic Approach Towards Nanostructured Surfaces Based on Supramolecular Nanostamping on Reactive Polymer Coatings. <i>Advanced Materials</i> , 2007 , 19, 4333-4337	24	24
109	Microstructured Fibers for the Production of Food. <i>Advanced Materials</i> , 2019 , 31, e1807282	24	24
108	Chemical sensing with Au and Ag nanoparticles. <i>Chemical Society Reviews</i> , 2021 , 50, 1269-1304	58.5	24
107	Structure-Property Relationships of Amphiphilic Nanoparticles That Penetrate or Fuse Lipid Membranes. <i>Bioconjugate Chemistry</i> , 2018 , 29, 1131-1140	6.3	23
106	Advances in Janus nanoparticles. <i>Chimia</i> , 2013 , 67, 811-8	1.3	23
105	Generation of Various Complex Patterned Structures From a Single Ellipsoidal Dot Prepattern by Capillary Force Lithography. <i>Advanced Materials</i> , 2007 , 19, 4392-4398	24	23
104	Polymeric Micelles Loading Proteins through Concurrent Ion Complexation and pH-Cleavable Covalent Bonding for In Vivo Delivery. <i>Macromolecular Bioscience</i> , 2020 , 20, e1900161	5.5	23
103	High-Surface-Area Porous Platinum Electrodes for Enhanced Charge Transfer. <i>Advanced Energy Materials</i> , 2014 , 4, 1400510	21.8	22

102	Multi-sulfonated ligands on gold nanoparticles as virucidal antiviral for Dengue virus. <i>Scientific Reports</i> , 2020 , 10, 9052	4.9	21
101	Cyclodextrin Modulated Type I Collagen Self-Assembly to Engineer Biomimetic Cornea Implants. <i>Advanced Functional Materials</i> , 2018 , 28, 1804076	15.6	21
100	Application of supramolecular nanostamping to the replication of DNA nanoarrays. <i>Nano Letters</i> , 2007 , 7, 3493-8	11.5	21
99	Carbene-functionalized single-walled carbon nanotubes and their electrical properties. <i>Small</i> , 2011 , 7, 1257-63	11	20
98	Evolution of langmuir film of nanoparticles through successive compression cycles. <i>Small</i> , 2011 , 7, 2526-32	11	20
97	Optical limiting with complex plasmonic nanoparticles. <i>Journal of Optics (United Kingdom)</i> , 2010 , 12, 065001	10.1	20
96	On the effect of ligand shell heterogeneity on nanoparticle/protein binding thermodynamics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 174, 367-373	6	20
95	Two-Dimensional Nanoparticle Supracrystals: A Model System for Two-Dimensional Melting. <i>Nano Letters</i> , 2016 , 16, 1352-8	11.5	19
94	Sensing single mixed-monolayer protected gold nanoparticles by the Hemolysin nanopore. <i>Analytical Chemistry</i> , 2013 , 85, 10149-58	7.8	19
93	Morphology control in self-assembled monolayers written by dip pen nanolithography. <i>Langmuir</i> , 2004 , 20, 4795-8	4	19
92	Patchy Amphiphilic Dendrimers Bind Adenovirus and Control Its Host Interactions and in Vivo Distribution. <i>ACS Nano</i> , 2019 , 13, 8749-8759	16.7	18
91	Materials science. Droplets out of equilibrium. <i>Science</i> , 2013 , 341, 243-4	33.3	18
90	Erythrocyte incubation as a method for free-dye presence determination in fluorescently labeled nanoparticles. <i>Molecular Pharmaceutics</i> , 2013 , 10, 875-82	5.6	18
89	Response to "Critical Assessment of the Evidence for Striped Nanoparticles". <i>PLoS ONE</i> , 2015 , 10, e0135594	5.4	18
88	An antiviral trap made of protein nanofibrils and iron oxyhydroxide nanoparticles. <i>Nature Nanotechnology</i> , 2021 , 16, 918-925	28.7	18
87	Ubiquitous aluminium contamination in water and amyloid hybrid membranes as a sustainable possible solution. <i>Chemical Communications</i> , 2019 , 55, 11143-11146	5.8	17
86	Superparamagnetic Nanoparticles as High Efficiency Magnetic Resonance Imaging T Contrast Agent. <i>Bioconjugate Chemistry</i> , 2017 , 28, 161-170	6.3	17
85	Modular soft robotic microdevices for dexterous biomanipulation. <i>Lab on A Chip</i> , 2019 , 19, 778-788	7.2	16

84	Freestanding Ultrathin Nanoparticle Membranes Assembled at Transient Liquid-Liquid Interfaces. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600191	4.6	15
83	Towards Industrial-Scale Molecular Nanolithography. <i>Advanced Functional Materials</i> , 2006 , 16, 15-16	15.6	15
82	Statistical Analysis of Scanning Tunneling Microscopy Images of 'Striped' Mixed Monolayer Protected Gold Nanoparticles. <i>Journal of Scanning Probe Microscopy</i> , 2009 , 4, 24-35		15
81	Phase behaviour and applications of a binary liquid mixture of methanol and a thermotropic liquid crystal. <i>Soft Matter</i> , 2018 , 14, 4615-4620	3.6	14
80	Fluorinated and Charged Hydrogenated Alkanethiolates Grafted on Gold: Expanding the Diversity of Mixed-Monolayer Nanoparticles for Biological Applications. <i>Bioconjugate Chemistry</i> , 2017 , 28, 43-52	6.3	14
79	Polymer-protected sub-2-nm-nanogap fabrication for biological sensing in near-physiological conditions. <i>Small</i> , 2009 , 5, 2797-801	11	14
78	FM19G11-Loaded Gold Nanoparticles Enhance the Proliferation and Self-Renewal of Ependymal Stem Progenitor Cells Derived from ALS Mice. <i>Cells</i> , 2019 , 8,	7.9	13
77	Comparative STM studies of mixed ligand monolayers on gold nanoparticles in air and in 1-phenyloctane. <i>Chemical Communications</i> , 2014 , 50, 10456-9	5.8	13
76	Ligand-shell-directed assembly and depolymerization of patchy nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 968-72	16.4	13
75	A review of molecular phase separation in binary self-assembled monolayers of thiols on gold surfaces. <i>Europhysics Letters</i> , 2017 , 119, 66001	1.6	13
74	Regioselective placement of alkanethiolate domains on tetrahedral and octahedral gold nanocrystals. <i>Chemical Communications</i> , 2012 , 48, 9765-7	5.8	13
73	New mixed ligand coated platinum nanoparticles for heterogeneous catalytic applications. <i>Catalysis Today</i> , 2012 , 198, 77-84	5.3	13
72	Calcium-triggered fusion of lipid membranes is enabled by amphiphilic nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 18470-18476	11.5	13
71	Diameter Effect on the Sidewall Functionalization of Single-Walled Carbon Nanotubes by Addition of Dichlorocarbene. <i>Advanced Functional Materials</i> , 2012 , 22, 5216-5223	15.6	12
70	A silica-based magnetic platform decorated with mixed ligand gold nanoparticles: a recyclable catalyst for esterification reactions. <i>Chemical Communications</i> , 2016 , 52, 5573-6	5.8	11
69	An integrated system for large scale scanning of nuclear emulsions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 703, 204-212	1.2	11
68	Oligonucleotide Delivery by Cell-Penetrating 'Striped' Nanoparticles. <i>Angewandte Chemie</i> , 2011 , 123, 12520-12523	3.6	11
67	Solvent mediated assembly of nanoparticles confined in mesoporous alumina. <i>Physical Review B</i> , 2006 , 73,	3.3	11

66	Mass spectrometry and Monte Carlo method mapping of nanoparticle ligand shell morphology. <i>Nature Communications</i> , 2018 , 9, 4478	17.4	11
65	The van der Waals Interactions of n-Alkanethiol-Covered Surfaces: From Planar to Curved Surfaces. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16526-16530	16.4	10
64	Novel Sensing Strategies Based on Monolayer Protected Gold Nanoparticles for the Detection of Metal Ions and Small Molecules. <i>Chemical Record</i> , 2018 , 18, 819-828	6.6	10
63	Self-Assembled Monolayer of Short Carboxyl-Terminated Molecules Investigated with ex Situ Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 7431-7435	3.8	10
62	Stamping with high information density. <i>Journal of Materials Chemistry</i> , 2006 , 16, 2868		10
61	Broad-Spectrum Antiviral Agents Based on Multivalent Inhibitors of Viral Infectivity. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001433	10.1	10
60	Contact Printing Beyond Surface Roughness: Liquid Supramolecular Nanostamping. <i>Advanced Materials</i> , 2007 , 19, 4338-4342	24	9
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