

Isabel pastoriza Santos

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.

184
papers

19,643
citations

69
h-index

139
g-index

196
ext. papers

21,757
ext. citations

9.5
avg, IF

6.77
L-index

#	Paper	IF	Citations
184	Polyallylamine assisted synthesis of 3D branched AuNPs with plasmon tunability in the vis-NIR region as refractive index sensitivity probes.. <i>Journal of Colloid and Interface Science</i> , 2022 , 611, 695-705	9.3	0
183	Multiple SERS Detection of Phenol Derivatives in Tap Water. <i>Proceedings (mdpi)</i> , 2021 , 70, 88	0.3	2
182	Colloidal Metal-Halide Perovskite Nanoplatelets: Thickness-Controlled Synthesis, Properties and Application in Light-Emitting Diodes. <i>Advanced Materials</i> , 2021 , e2107105	24	23
181	Prospects and applications of synergistic noble metal nanoparticle-bacterial hybrid systems. <i>Nanoscale</i> , 2021 , 13, 18054-18069	7.7	0
180	Dimensionality Control of Inorganic and Hybrid Perovskite Nanocrystals by Reaction Temperature: From No-Confinement to 3D and 1D Quantum Confinement. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26677-26684	16.4	7
179	Advances in Plasmonic Sensing at the NIR-A Review. <i>Sensors</i> , 2021 , 21,	3.8	10
178	Structure and Formation Kinetics of Millimeter-Size Single Domain Supercrystals. <i>Advanced Functional Materials</i> , 2021 , 31, 2101869	15.6	3
177	Plasmonic MOF Thin Films with Raman Internal Standard for Fast and Ultrasensitive SERS Detection of Chemical Warfare Agents in Ambient Air. <i>ACS Sensors</i> , 2021 , 6, 2241-2251	9.2	14
176	Discrete metal nanoparticles with plasmonic chirality. <i>Chemical Society Reviews</i> , 2021 , 50, 3738-3754	58.5	26
175	Effect of Gold Nanoparticles on Transport Properties of the Protic Ionic Liquid Propylammonium Nitrate. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 3028-3037	2.8	0
174	Plasmonic Au@Ag@mSiO Nanorattles for In Situ Imaging of Bacterial Metabolism by Surface-Enhanced Raman Scattering Spectroscopy.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 61587-61597	9.5	2
173	Programmable Modular Assembly of Functional Proteins on Raman-Encoded Zeolitic Imidazolate Framework-8 (ZIF-8) Nanoparticles as SERS Tags. <i>Chemistry of Materials</i> , 2020 , 32, 5739-5749	9.6	17
172	The versatility of Fe(II) in the synthesis of uniform citrate-stabilized plasmonic nanoparticles with tunable size at room temperature. <i>Nano Research</i> , 2020 , 13, 2351-2355	10	4
171	Ultrasensitive inkjet-printed based SERS sensor combining a high-performance gold nanosphere ink and hydrophobic paper. <i>Sensors and Actuators B: Chemical</i> , 2020 , 320, 128412	8.5	16
170	PdAu Heteropentamers: Selective Growth of Au on Pd Tetrahedral Nanoparticles with Enhanced Electrocatalytic Activity. <i>Crystal Growth and Design</i> , 2020 , 20, 5863-5867	3.5	5
169	Recent Progress in Surface-Enhanced Raman Scattering for the Detection of Chemical Contaminants in Water. <i>Frontiers in Chemistry</i> , 2020 , 8, 478	5	25
168	SERS-Based Molecularly Imprinted Plasmonic Sensor for Highly Sensitive PAH Detection. <i>ACS Sensors</i> , 2020 , 5, 693-702	9.2	30

167	Pd nanoparticles as a plasmonic material: synthesis, optical properties and applications. <i>Nanoscale</i> , 2020 , 12, 23424-23443	7.7	18
166	An Expanded Surface-Enhanced Raman Scattering Tags Library by Combinatorial Encapsulation of Reporter Molecules in Metal Nanoshells. <i>ACS Nano</i> , 2020 , 14, 14655-14664	16.7	6
165	Integrating Plasmonic Supercrystals in Microfluidics for Ultrasensitive, Label-Free, and Selective Surface-Enhanced Raman Spectroscopy Detection. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 46537-46564	8.5	13
164	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
163	Plasmonic Supercrystals. <i>Accounts of Chemical Research</i> , 2019 , 52, 1855-1864	24.3	42
162	Screen-printed GPH electrode modified with Ru nanoplates and PoPD polymer film for NADH sensing: Design and characterization. <i>Electrochimica Acta</i> , 2019 , 300, 316-323	6.7	11
161	Iron(II) as a Green Reducing Agent in Gold Nanoparticle Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 8295-8302	8.3	10
160	Highly porous palladium nanodendrites: wet-chemical synthesis, electron tomography and catalytic activity. <i>Dalton Transactions</i> , 2019 , 48, 3758-3767	4.3	12
159	Surface-enhanced Raman scattering (SERS) imaging of bioactive metabolites in mixed bacterial populations. <i>Applied Materials Today</i> , 2019 , 14, 207-215	6.6	26
158	Osteogenic effects of simvastatin-loaded mesoporous titania thin films. <i>Biomedical Materials (Bristol)</i> , 2018 , 13, 025017	3.5	9
157	Surface-Enhanced Raman Scattering Spectroscopy for Label-Free Analysis of Quorum Sensing. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 143	5.9	20
156	Pillar[5]arene-stabilized Plasmonic Nanoparticles as Selective SERS Sensors. <i>Israel Journal of Chemistry</i> , 2018 , 58, 1251-1260	3.4	4
155	Light Scattering versus Plasmon Effects: Optical Transitions in Molecular Oxygen near a Metal Nanoparticle. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 15625-15634	3.8	14
154	Plasmonic polymer nanocomposites. <i>Nature Reviews Materials</i> , 2018 , 3, 375-391	73.3	117
153	Gold nanoparticles for regulation of cell function and behavior. <i>Nano Today</i> , 2017 , 13, 40-60	17.9	61
152	Screen-printed carbon electrodes doped with TiO ₂ -Au nanocomposites with improved electrocatalytic performance. <i>Materials Today Communications</i> , 2017 , 11, 11-17	2.5	11
151	Imaging Bacterial Interspecies Chemical Interactions by Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2017 , 11, 4631-4640	16.7	49
150	Plasmonic/magnetic nanocomposites: Gold nanorods-functionalized silica coated magnetic nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2017 , 502, 201-209	9.3	29

149	Nanoplasmonically-engineered random lasing in organic semiconductor thin films. <i>Nanoscale Horizons</i> , 2017 , 2, 261-266	10.8	10
148	Structure and vacancy distribution in copper telluride nanoparticles influence plasmonic activity in the near-infrared. <i>Nature Communications</i> , 2017 , 8, 14925	17.4	26
147	Au@Ag SERRS tags coupled to a lateral flow immunoassay for the sensitive detection of pneumolysin. <i>Nanoscale</i> , 2017 , 9, 2051-2058	7.7	67
146	Pillar[5]arene-Based Supramolecular Plasmonic Thin Films for Label-Free, Quantitative and Multiplex SERS Detection. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 26372-26382	9.5	24
145	Shape control in ZIF-8 nanocrystals and metal nanoparticles@ZIF-8 heterostructures. <i>Nanoscale</i> , 2017 , 9, 16645-16651	7.7	67
144	Biogenic Synthesis of Metal Nanoparticles Using a Biosurfactant Extracted from Corn and Their Antimicrobial Properties. <i>Nanomaterials</i> , 2017 , 7,	5.4	28
143	Silver Ions Direct Twin-Plane Formation during the Overgrowth of Single-Crystal Gold Nanoparticles. <i>ACS Omega</i> , 2016 , 1, 177-181	3.9	17
142	Galvanic Replacement Coupled to Seeded Growth as a Route for Shape-Controlled Synthesis of Plasmonic Nanorattles. <i>Journal of the American Chemical Society</i> , 2016 , 138, 11453-6	16.4	75
141	Fano Interference in the Optical Absorption of an Individual Gold-Silver Nanodimer. <i>Nano Letters</i> , 2016 , 16, 6311-6316	11.5	18
140	Nanocolloids of Noble Metals 2016 , 37-73		
139	Encapsulation of Single Plasmonic Nanoparticles within ZIF-8 and SERS Analysis of the MOF Flexibility. <i>Small</i> , 2016 , 12, 3935-43	11	96
138	Plasmonic [email[protected]] Nanorods with Boosted Refractive Index Susceptibility and SERS Efficiency: A Multifunctional Platform for Hydrogen Sensing and Monitoring of Catalytic Reactions. <i>Chemistry of Materials</i> , 2016 , 28, 9169-9180	9.6	71
137	Sterilization Case Study 1: Effects of Different Sterilization Techniques on Gold Nanoparticles. <i>Frontiers in Nanobiomedical Research</i> , 2016 , 77-92		
136	Hydrophilic Pt nanoflowers: synthesis, crystallographic analysis and catalytic performance. <i>CrystEngComm</i> , 2016 , 18, 3422-3427	3.3	23
135	Detection and imaging of quorum sensing in <i>Pseudomonas aeruginosa</i> biofilm communities by surface-enhanced resonance Raman scattering. <i>Nature Materials</i> , 2016 , 15, 1203-1211	27	222
134	Governing the morphology of Pt-Au heteronanocrystals with improved electrocatalytic performance. <i>Nanoscale</i> , 2015 , 7, 8739-47	7.7	34
133	Using surface enhanced Raman scattering to analyze the interactions of protein receptors with bacterial quorum sensing modulators. <i>ACS Nano</i> , 2015 , 9, 5567-76	16.7	47
132	Time-Resolved Investigations of the Cooling Dynamics of Metal Nanoparticles: Impact of Environment. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 12757-12764	3.8	33

131	Plasmon-enhanced light harvesting: applications in enhanced photocatalysis, photodynamic therapy and photovoltaics. <i>RSC Advances</i> , 2015 , 5, 29076-29097	3.7	163
130	Gold Nanorod-pNIPAM Hybrids with Reversible Plasmon Coupling: Synthesis, Modeling, and SERS Properties. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 12530-8	9.5	87
129	Au@pNIPAM SERRS Tags for Multiplex Immunophenotyping Cellular Receptors and Imaging Tumor Cells. <i>Small</i> , 2015 , 11, 4149-57	11	57
128	Nanocrystal engineering of noble metals and metal chalcogenides: controlling the morphology, composition and crystallinity. <i>CrystEngComm</i> , 2015 , 17, 3727-3762	3.3	100
127	Gold Nanooctahedra with Tunable Size and Microfluidic-Induced 3D Assembly for Highly Uniform SERS-Active Supercrystals. <i>Chemistry of Materials</i> , 2015 , 27, 8310-8317	9.6	75
126	Gold nanoparticle-loaded filter paper: a recyclable dip-catalyst for real-time reaction monitoring by surface enhanced Raman scattering. <i>Chemical Communications</i> , 2015 , 51, 4572-5	5.8	154
125	Enhanced electrochemical sensing of polyphenols by an oxygen-mediated surface. <i>RSC Advances</i> , 2015 , 5, 5024-5031	3.7	22
124	Palladium Nanoparticle-Loaded Cellulose Paper: A Highly Efficient, Robust, and Recyclable Self-Assembled Composite Catalytic System. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 230-8	6.4	74
123	Bioimaging: Au@pNIPAM SERRS Tags for Multiplex Immunophenotyping Cellular Receptors and Imaging Tumor Cells (Small 33/2015). <i>Small</i> , 2015 , 11, 4220-4220	11	1
122	Effect of the cross-linking density on the thermoresponsive behavior of hollow PNIPAM microgels. <i>Langmuir</i> , 2015 , 31, 1142-9	4	36
121	Nickel nanoparticle-doped paper as a bioactive scaffold for targeted and robust immobilization of functional proteins. <i>ACS Nano</i> , 2014 , 8, 6221-31	16.7	28
120	Star-shaped magnetite@gold nanoparticles for protein magnetic separation and SERS detection. <i>RSC Advances</i> , 2014 , 4, 3690-3698	3.7	70
119	Inactivation and adsorption of human carbonic anhydrase II by nanoparticles. <i>Langmuir</i> , 2014 , 30, 9448-56	5	15
118	Metal nanoparticles and supramolecular macrocycles: a tale of synergy. <i>Chemistry - A European Journal</i> , 2014 , 20, 10874-83	4.8	108
117	Nontoxic impact of PEG-coated gold nanospheres on functional pulmonary surfactant-secreting alveolar type II cells. <i>Nanotoxicology</i> , 2014 , 8, 813-23	5.3	19
116	Pillar[5]arene-mediated synthesis of gold nanoparticles: size control and sensing capabilities. <i>Chemistry - A European Journal</i> , 2014 , 20, 8404-9	4.8	37
115	Nanoplasmonic Enhancement of the Emission of Semiconductor Polymer Composites. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 16577-16583	3.8	18
114	Reliable methods for silica coating of Au nanoparticles. <i>Methods in Molecular Biology</i> , 2013 , 1025, 75-93	1.4	7

113	Multifunctionality in metal@microgel colloidal nanocomposites. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 20-26	13	61
112	Size tunable Au@Ag core-shell nanoparticles: synthesis and surface-enhanced Raman scattering properties. <i>Langmuir</i> , 2013 , 29, 15076-82	4	255
111	All-in-one optical heater-thermometer nanoplatfom operative from 300 to 2000 k based on Er(3+) emission and blackbody radiation. <i>Advanced Materials</i> , 2013 , 25, 4868-74	24	219
110	Dimethylformamide-mediated synthesis of water-soluble platinum nanodendrites for ethanol oxidation electrocatalysis. <i>Nanoscale</i> , 2013 , 5, 4776-84	7.7	46
109	Optical response of individual Au-Ag@SiO ₂ heterodimers. <i>ACS Nano</i> , 2013 , 7, 2522-31	16.7	77
108	Au@Ag Nanoparticles: Halides Stabilize {100} Facets. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2209-2216	2.16	126
107	Shape-Templated Growth of Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2474-2479	3.8	25
106	Growth and branching of gold nanoparticles through mesoporous silica thin films. <i>Nanoscale</i> , 2012 , 4, 931-9	7.7	33
105	Static and Dynamic Plasmon-Enhanced Light Scattering from Dispersions of Polymer-Grafted Silver Nanoprisms in the Bulk and Near Solid Surfaces. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 3888-3896	3.8	14
104	Tailoring the properties of grafted silver nanoprism composites. <i>Polymer</i> , 2012 , 53, 5771-5778	3.9	5
103	Seedless Synthesis of Single Crystalline Au Nanoparticles with Unusual Shapes and Tunable LSPR in the near-IR. <i>Chemistry of Materials</i> , 2012 , 24, 1393-1399	9.6	44
102	Effects of gold nanoparticles on the stability of microbubbles. <i>Langmuir</i> , 2012 , 28, 13808-15	4	34
101	Plasmon spectroscopy and imaging of individual gold nanodecahedra: a combined optical microscopy, cathodoluminescence, and electron energy-loss spectroscopy study. <i>Nano Letters</i> , 2012 , 12, 4172-80	11.5	120
100	A general LbL strategy for the growth of pNIPAM microgels on Au nanoparticles with arbitrary shapes. <i>Soft Matter</i> , 2012 , 8, 4165-4170	3.6	40
99	Colloidal synthesis of gold semishells. <i>ChemistryOpen</i> , 2012 , 1, 90-5	2.3	14
98	Protein/Polymer-Based Dual-Responsive Gold Nanoparticles with pH-Dependent Thermal Sensitivity. <i>Advanced Functional Materials</i> , 2012 , 22, 1436-1444	15.6	97
97	Spiked gold beads as substrates for single-particle SERS. <i>ChemPhysChem</i> , 2012 , 13, 2561-5	3.2	53
96	Overgrowth and Crystalline Structure of Gold Nanorods. <i>Microscopy and Microanalysis</i> , 2012 , 18, 67-68	0.5	1

95	Physical aging of polystyrene/gold nanocomposites and its relation to the calorimetric Tg depression. <i>Soft Matter</i> , 2011 , 7, 3607	3.6	84
94	Photoluminescence of Individual Au/CdSe Nanocrystal Complexes with Variable Interparticle Distances. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 2466-2471	6.4	45
93	Spatially resolved measurements of plasmonic eigenstates in complex-shaped, asymmetric nanoparticles: gold nanostars. <i>EPJ Applied Physics</i> , 2011 , 54, 33512	1.1	26
92	Chemical solution approaches to YBa ₂ Cu ₃ O _{7-δ} -Au nanocomposite superconducting thin films. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 3245-55	1.3	15
91	Flow dichroism as a reliable method to measure the hydrodynamic aspect ratio of gold nanoparticles. <i>ACS Nano</i> , 2011 , 5, 4935-44	16.7	29
90	Nanostars shine bright for you: Colloidal synthesis, properties and applications of branched metallic nanoparticles. <i>Current Opinion in Colloid and Interface Science</i> , 2011 , 16, 118-127	7.6	319
89	Dispersed and encapsulated gain medium in plasmonic nanoparticles: a multipronged approach to mitigate optical losses. <i>ACS Nano</i> , 2011 , 5, 5823-9	16.7	55
88	Acoustic vibrations of metal-dielectric core-shell nanoparticles. <i>Nano Letters</i> , 2011 , 11, 3016-21	11.5	42
87	Growth of pentatwinned gold nanorods into truncated decahedra. <i>Nanoscale</i> , 2010 , 2, 2377-83	7.7	52
86	Two-dimensional quasistatic stationary short range surface plasmons in flat nanoprisms. <i>Nano Letters</i> , 2010 , 10, 902-7	11.5	93
85	Symmetry Cancellations in the Quadratic Hyperpolarizability of Non-Centrosymmetric Gold Decahedra. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 874-880	6.4	18
84	Growth of Sharp Tips on Gold Nanowires Leads to Increased Surface-Enhanced Raman Scattering Activity. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 24-7	6.4	60
83	Tuning size and sensing properties in colloidal gold nanostars. <i>Langmuir</i> , 2010 , 26, 14943-50	4	378
82	Synthetic Routes and Plasmonic Properties of Noble Metal Nanoplates. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 4288-4297	2.3	60
81	Rapid epitaxial growth of Ag on Au nanoparticles: from Au nanorods to core-shell Au@Ag octahedrons. <i>Chemistry - A European Journal</i> , 2010 , 16, 5558-63	4.8	79
80	Growing Au/Ag nanoparticles within microgel colloids for improved surface-enhanced Raman scattering detection. <i>Chemistry - A European Journal</i> , 2010 , 16, 9462-7	4.8	72
79	The Crystalline Structure of Gold Nanorods Revisited: Evidence for Higher-Index Lateral Facets. <i>Angewandte Chemie</i> , 2010 , 122, 9587-9590	3.6	22
78	The crystalline structure of gold nanorods revisited: evidence for higher-index lateral facets. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9397-400	16.4	131

77	Chemical seeded growth of Ag nanoparticle arrays and their application as reproducible SERS substrates. <i>Nano Today</i> , 2010 , 5, 21-27	17.9	96
76	Sterilization matters: consequences of different sterilization techniques on gold nanoparticles. <i>Small</i> , 2010 , 6, 89-95	11	56
75	Influence of silver nanoparticles concentration on the alpha- to beta-phase transformation and the physical properties of silver nanoparticles doped poly(vinylidene fluoride) nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 2910-6	1.3	38
74	N,N-Dimethylformamide as a Reaction Medium for Metal Nanoparticle Synthesis. <i>Advanced Functional Materials</i> , 2009 , 19, 679-688	15.6	314
73	Au@pNIPAM Thermosensitive Nanostructures: Control over Shell Cross-linking, Overall Dimensions, and Core Growth. <i>Advanced Functional Materials</i> , 2009 , 19, 3070-3076	15.6	136
72	Au@pNIPAM Colloids as Molecular Traps for Surface-Enhanced, Spectroscopic, Ultra-Sensitive Analysis. <i>Angewandte Chemie</i> , 2009 , 121, 144-149	3.6	26
71	Microcontainers with Fluorescent Anisotropic Zeolite L Cores and Isotropic Silica Shells. <i>Angewandte Chemie</i> , 2009 , 121, 1292-1296	3.6	11
70	Au@pNIPAM colloids as molecular traps for surface-enhanced, spectroscopic, ultra-sensitive analysis. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 138-43	16.4	263
69	Microcontainers with fluorescent anisotropic zeolite L cores and isotropic silica shells. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1266-70	16.4	42
68	Aerobic synthesis of cu nanoplates with intense plasmon resonances. <i>Small</i> , 2009 , 5, 440-3	11	140
67	Multiresponsive hybrid colloids based on gold nanorods and poly(NIPAM-co-allylacetic acid) microgels: temperature- and pH-tunable plasmon resonance. <i>Langmuir</i> , 2009 , 25, 3163-7	4	110
66	Direct imaging of surface plasmon resonances on single triangular silver nanoprisms at optical wavelength using low-loss EFTEM imaging. <i>Optics Letters</i> , 2009 , 34, 1003-5	3	77
65	Quantitative determination of the size dependence of surface plasmon resonance damping in single Ag@SiO(2) nanoparticles. <i>Nano Letters</i> , 2009 , 9, 3463-9	11.5	173
64	Spectroscopy, Imaging, and Modeling of Individual Gold Decahedra. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18623-18631	3.8	63
63	Highly controlled silica coating of PEG-capped metal nanoparticles and preparation of SERS-encoded particles. <i>Langmuir</i> , 2009 , 25, 13894-9	4	176
62	Field gradient imaging of nanoparticle systems: analysis of geometry and surface coating effects. <i>Nanotechnology</i> , 2009 , 20, 095708	3.4	7
61	Synthesis of multifunctional composite microgels via in situ Ni growth on pNIPAM-coated Au nanoparticles. <i>ACS Nano</i> , 2009 , 3, 3184-90	16.7	69
60	Zeptomol detection through controlled ultrasensitive surface-enhanced Raman scattering. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4616-8	16.4	479

59	Preparation And Properties Of Flexible Nanocomposites, Obtained By A Combination Of Colloidal Chemistry And Sol-Gel Approach. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2009 , 245-250	0.2	
58	Effects of elastic anisotropy on strain distributions in decahedral gold nanoparticles. <i>Nature Materials</i> , 2008 , 7, 120-4	27	263
57	High-yield synthesis and optical response of gold nanostars. <i>Nanotechnology</i> , 2008 , 19, 015606	3.4	537
56	Temperature, pH, and ionic strength induced changes of the swelling behavior of PNIPAM-poly(allylacetic acid) copolymer microgels. <i>Langmuir</i> , 2008 , 24, 6300-6	4	155
55	Thermoresponsive core-shell microgels with silica nanoparticle cores: size, structure, and volume phase transition of the polymer shell. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 6708-16	3.6	35
54	Influence of the Medium Refractive Index on the Optical Properties of Single Gold Triangular Prisms on a Substrate. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 3-7	3.8	132
53	Fabrication of nano-structured gold films by electrohydrodynamic atomisation. <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 91, 141-147	2.6	28
52	Modeling the Optical Response of Highly Faceted Metal Nanoparticles with a Fully 3D Boundary Element Method. <i>Advanced Materials</i> , 2008 , 20, 4288-4293	24	103
51	Encapsulation and Growth of Gold Nanoparticles in Thermoresponsive Microgels. <i>Advanced Materials</i> , 2008 , 20, 1666-1670	24	234
50	Modelling the optical response of gold nanoparticles. <i>Chemical Society Reviews</i> , 2008 , 37, 1792-805	58.5	924
49	Colloidal silver nanoplates. State of the art and future challenges. <i>Journal of Materials Chemistry</i> , 2008 , 18, 1724		341
48	Quantitative strain determination in nanoparticles using aberration-corrected HREM 2008 , 221-222		
47	Overgrowth of gold nanorods: From rods to octahedrons 2008 , 259-260		
46	Plasmonics of Gold Nanorods. Considerations for Biosensing. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2008 , 103-111	0.2	2
45	Plasmon coupling in layer-by-layer assembled gold nanorod films. <i>Langmuir</i> , 2007 , 23, 4606-11	4	108
44	Spectroscopy and high-resolution microscopy of single nanocrystals by a focused ion beam registration method. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3517-20	16.4	50
43	Chemical sharpening of gold nanorods: the rod-to-octahedron transition. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8983-7	16.4	117
42	Spectroscopy and High-Resolution Microscopy of Single Nanocrystals by a Focused Ion Beam Registration Method. <i>Angewandte Chemie</i> , 2007 , 119, 3587-3590	3.6	9

41	Chemical Sharpening of Gold Nanorods: The Rod-to-Octahedron Transition. <i>Angewandte Chemie</i> , 2007 , 119, 9141-9145	3.6	27
40	Environmental Optical Sensitivity of Gold Nanodecahedra. <i>Advanced Functional Materials</i> , 2007 , 17, 1443-1450	15.6	99
39	Inside Front Cover: Environmental Optical Sensitivity of Gold Nanodecahedra (Adv. Funct. Mater. 9/2007). <i>Advanced Functional Materials</i> , 2007 , 17,	15.6	1
38	Nanorod-coated PNIPAM microgels: thermoresponsive optical properties. <i>Small</i> , 2007 , 3, 1222-9	11	240
37	Mapping surface plasmons on a single metallic nanoparticle. <i>Nature Physics</i> , 2007 , 3, 348-353	16.2	818
36	Mapping Surface Plasmons on a Single Metallic Nanoparticle using Sub-nm Resolved EELS Spectrum-Imaging. <i>Microscopy and Microanalysis</i> , 2007 , 13,	0.5	10
35	The Effect of Silica Coating on the Optical Response of Sub-micrometer Gold Spheres. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 13361-13366	3.8	90
34	Printing gold nanoparticles with an electrohydrodynamic direct-write device 2006 , 39, 48-53		47
33	A versatile approach for the preparation of thermosensitive PNIPAM core-shell microgels with nanoparticle cores. <i>ChemPhysChem</i> , 2006 , 7, 2298-301	3.2	129
32	Formation of Silver Nanoprisms with Surface Plasmons at Communication Wavelengths. <i>Advanced Functional Materials</i> , 2006 , 16, 766-773	15.6	220
31	Synthesis and Optical Properties of Gold Nanodecahedra with Size Control. <i>Advanced Materials</i> , 2006 , 18, 2529-2534	24	329
30	Unstable reshaping of gold nanorods prepared by a wet chemical method in the presence of silver nitrate. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 3355-9	1.3	21
29	On the temperature stability of gold nanorods: comparison between thermal and ultrafast laser-induced heating. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 814-21	3.6	260
28	Bending contours in silver nanoprisms. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 11796-9	3.4	49
27	Silica-Coating and Hydrophobation of CTAB-Stabilized Gold Nanorods. <i>Chemistry of Materials</i> , 2006 , 18, 2465-2467	9.6	347
26	Optically active poly(dimethylsiloxane) elastomer films through doping with gold nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 453-8	1.3	23
25	Metallodielectric hollow shells: optical and catalytic properties. <i>Chemistry - an Asian Journal</i> , 2006 , 1, 730-6	4.5	35
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