Jorge Perez-Juste

List of Publications by Year in Descending Order

189 papers	17,198 citations	69 h-index	129 g-index
201 ext. papers	19,283 ext. citations	9 avg, IF	6.66 L-index

#	Paper	IF	Citations
189	Polyallylamine assisted synthesis of 3D branched AuNPs with plasmon tunability in the vis-NIR region as refractive index sensitivity probes.. *Journal of Colloid and Interface Science*, **2022**, 611, 695-705	9.3	0
188	Multiple SERS Detection of Phenol Derivatives in Tap Water. *Proceedings (mdpi)*, **2021**, 70, 88	0.3	2
187	Colloidal Metal-Halide Perovskite Nanoplatelets: Thickness-Controlled Synthesis, Properties and Application in Light-Emitting Diodes. *Advanced Materials*, **2021**, e2107105	24	23
186	Prospects and applications of synergistic noble metal nanoparticle-bacterial hybrid systems. *Nanoscale*, **2021**, 13, 18054-18069	7.7	0
185	Dimensionality Control of Inorganic and Hybrid Perovskite Nanocrystals by Reaction Temperature: From No-Confinement to 3D and 1D Quantum Confinement. *Angewandte Chemie - International Edition*, **2021**, 60, 26677-26684	16.4	7
184	Structure and Formation Kinetics of Millimeter-Size Single Domain Supercrystals. *Advanced Functional Materials*, **2021**, 31, 2101869	15.6	3
183	Cyclodextrins and inorganic nanoparticles: Another tale of synergy. *Advances in Colloid and Interface Science*, **2021**, 288, 102338	14.3	9
182	Discrete metal nanoparticles with plasmonic chirality. *Chemical Society Reviews*, **2021**, 50, 3738-3754	58.5	26
181	Effect of Gold Nanoparticles on Transport Properties of the Protic Ionic Liquid Propylammonium Nitrate. *Journal of Chemical & Engineering Data*, **2021**, 66, 3028-3037	2.8	0
180	Plasmonic Au@Ag@mSiO Nanorattles for In Situ Imaging of Bacterial Metabolism by Surface-Enhanced Raman Scattering Spectroscopy.. *ACS Applied Materials & Interfaces*, **2021**, 13, 61587-61597	9.5	2
179	Programmable Modular Assembly of Functional Proteins on Raman-Encoded Zeolitic Imidazolate Framework-8 (ZIF-8) Nanoparticles as SERS Tags. *Chemistry of Materials*, **2020**, 32, 5739-5749	9.6	17
178	The versatility of Fe(II) in the synthesis of uniform citrate-stabilized plasmonic nanoparticles with tunable size at room temperature. *Nano Research*, **2020**, 13, 2351-2355	10	4
177	Ultrasensitive inkjet-printed based SERS sensor combining a high-performance gold nanosphere ink and hydrophobic paper. *Sensors and Actuators B: Chemical*, **2020**, 320, 128412	8.5	16
176	Pd@Au Heteropentamers: Selective Growth of Au on Pd Tetrahedral Nanoparticles with Enhanced Electrocatalytic Activity. *Crystal Growth and Design*, **2020**, 20, 5863-5867	3.5	5
175	SERS-Based Molecularly Imprinted Plasmonic Sensor for Highly Sensitive PAH Detection. *ACS Sensors*, **2020**, 5, 693-702	9.2	30
174	Pd nanoparticles as a plasmonic material: synthesis, optical properties and applications. *Nanoscale*, **2020**, 12, 23424-23443	7.7	18
173	An Expanded Surface-Enhanced Raman Scattering Tags Library by Combinatorial Encapsulation of Reporter Molecules in Metal Nanoshells. *ACS Nano*, **2020**, 14, 14655-14664	16.7	6

172	Integrating Plasmonic Supercrystals in Microfluidics for Ultrasensitive, Label-Free, and Selective Surface-Enhanced Raman Spectroscopy Detection. *ACS Applied Materials & Interfaces*, **2020**, 12, 46537-46564	9.5	13
171	Present and Future of Surface-Enhanced Raman Scattering. *ACS Nano*, **2020**, 14, 28-117	16.7	1000
170	Plasmonic Supercrystals. *Accounts of Chemical Research*, **2019**, 52, 1855-1864	24.3	42
169	Iron(II) as a Green Reducing Agent in Gold Nanoparticle Synthesis. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 8295-8302	8.3	10
168	Highly porous palladium nanodendrites: wet-chemical synthesis, electron tomography and catalytic activity. *Dalton Transactions*, **2019**, 48, 3758-3767	4.3	12
167	Surface-enhanced Raman scattering (SERS) imaging of bioactive metabolites in mixed bacterial populations. *Applied Materials Today*, **2019**, 14, 207-215	6.6	26
166	Seeded Growth Synthesis of Gold Nanotriangles: Size Control, SAXS Analysis, and SERS Performance. *ACS Applied Materials & Interfaces*, **2018**, 10, 11152-11163	9.5	99
165	Surface-Enhanced Raman Scattering Spectroscopy for Label-Free Analysis of Quorum Sensing. *Frontiers in Cellular and Infection Microbiology*, **2018**, 8, 143	5.9	20
164	Nitric oxide release from a cucurbituril encapsulated NO-donor. *Organic and Biomolecular Chemistry* , **2018**, 16, 4272-4278	3.9	3
163	Pillar[5]arene-stabilized Plasmonic Nanoparticles as Selective SERS Sensors. *Israel Journal of Chemistry*, **2018**, 58, 1251-1260	3.4	4
162	Tuning the Morphology and Chiroptical Properties of Discrete Gold Nanorods with Amino Acids. *Angewandte Chemie*, **2018**, 130, 16690-16695	3.6	2
161	Tuning the Morphology and Chiroptical Properties of Discrete Gold Nanorods with Amino Acids. *Angewandte Chemie - International Edition*, **2018**, 57, 16452-16457	16.4	39
160	Plasmonic polymer nanocomposites. *Nature Reviews Materials*, **2018**, 3, 375-391	73.3	117
159	Gold nanoparticles for regulation of cell function and behavior. *Nano Today*, **2017**, 13, 40-60	17.9	61
158	Screen-printed carbon electrodes doped with TiO2-Au nanocomposites with improved electrocatalytic performance. *Materials Today Communications*, **2017**, 11, 11-17	2.5	11
157	Imaging Bacterial Interspecies Chemical Interactions by Surface-Enhanced Raman Scattering. *ACS Nano*, **2017**, 11, 4631-4640	16.7	49
156	Plasmonic/magnetic nanocomposites: Gold nanorods-functionalized silica coated magnetic nanoparticles. *Journal of Colloid and Interface Science*, **2017**, 502, 201-209	9.3	29
155	Au@Ag SERRS tags coupled to a lateral flow immunoassay for the sensitive detection of pneumolysin. *Nanoscale*, **2017**, 9, 2051-2058	7.7	67

154	Pillar[5]arene-Based Supramolecular Plasmonic Thin Films for Label-Free, Quantitative and Multiplex SERS Detection. *ACS Applied Materials & Interfaces*, **2017**, 9, 26372-26382	9.5	24
153	Shape control in ZIF-8 nanocrystals and metal nanoparticles@ZIF-8 heterostructures. *Nanoscale*, **2017**, 9, 16645-16651	7.7	67
152	Biogenic Synthesis of Metal Nanoparticles Using a Biosurfactant Extracted from Corn and Their Antimicrobial Properties. *Nanomaterials*, **2017**, 7,	5.4	28
151	Galvanic Replacement Coupled to Seeded Growth as a Route for Shape-Controlled Synthesis of Plasmonic Nanorattles. *Journal of the American Chemical Society*, **2016**, 138, 11453-6	16.4	75
150	Synthesis of vinyl-terminated Au nanoprisms and nanooctahedra mediated by 3-butenoic acid: direct Au@pNIPAM fabrication with improved SERS capabilities. *Nanoscale*, **2016**, 8, 4557-64	7.7	22
149	Nanocolloids of Noble Metals **2016**, 37-73		
148	Encapsulation of Single Plasmonic Nanoparticles within ZIF-8 and SERS Analysis of the MOF Flexibility. *Small*, **2016**, 12, 3935-43	11	96
147	Plasmonic [email´protected] Nanorods with Boosted Refractive Index Susceptibility and SERS Efficiency: A Multifunctional Platform for Hydrogen Sensing and Monitoring of Catalytic Reactions. *Chemistry of Materials*, **2016**, 28, 9169-9180	9.6	71
146	Hydrophilic Pt nanoflowers: synthesis, crystallographic analysis and catalytic performance. *CrystEngComm*, **2016**, 18, 3422-3427	3.3	23
145	Detection and imaging of quorum sensing in Pseudomonas aeruginosa biofilm communities by surface-enhanced resonance Raman scattering. *Nature Materials*, **2016**, 15, 1203-1211	27	222
144	Governing the morphology of Pt-Au heteronanocrystals with improved electrocatalytic performance. *Nanoscale*, **2015**, 7, 8739-47	7.7	34
143	Using surface enhanced Raman scattering to analyze the interactions of protein receptors with bacterial quorum sensing modulators. *ACS Nano*, **2015**, 9, 5567-76	16.7	47
142	Gold Nanorod-pNIPAM Hybrids with Reversible Plasmon Coupling: Synthesis, Modeling, and SERS Properties. *ACS Applied Materials & Interfaces*, **2015**, 7, 12530-8	9.5	87
141	Au@pNIPAM SERRS Tags for Multiplex Immunophenotyping Cellular Receptors and Imaging Tumor Cells. *Small*, **2015**, 11, 4149-57	11	57
140	Nanocrystal engineering of noble metals and metal chalcogenides: controlling the morphology, composition and crystallinity. *CrystEngComm*, **2015**, 17, 3727-3762	3.3	100
139	Gold Nanooctahedra with Tunable Size and Microfluidic-Induced 3D Assembly for Highly Uniform SERS-Active Supercrystals. *Chemistry of Materials*, **2015**, 27, 8310-8317	9.6	75
138	A "Tips and Tricks" Practical Guide to the Synthesis of Gold Nanorods. *Journal of Physical Chemistry Letters*, **2015**, 6, 4270-9	6.4	251
137	Gold nanoparticle-loaded filter paper: a recyclable dip-catalyst for real-time reaction monitoring by surface enhanced Raman scattering. *Chemical Communications*, **2015**, 51, 4572-5	5.8	154

136	Enhanced electrochemical sensing of polyphenols by an oxygen-mediated surface. *RSC Advances*, **2015**, 5, 5024-5031	3.7	22
135	Palladium Nanoparticle-Loaded Cellulose Paper: A Highly Efficient, Robust, and Recyclable Self-Assembled Composite Catalytic System. *Journal of Physical Chemistry Letters*, **2015**, 6, 230-8	6.4	74
134	Cationic Mixed Micelles as Reaction Medium for Hydrolysis Reactions. *Journal of Solution Chemistry*, **2015**, 44, 1866-1874	1.8	7
133	Effect of the cross-linking density on the thermoresponsive behavior of hollow PNIPAM microgels. *Langmuir*, **2015**, 31, 1142-9	4	36
132	Nickel nanoparticle-doped paper as a bioactive scaffold for targeted and robust immobilization of functional proteins. *ACS Nano*, **2014**, 8, 6221-31	16.7	28
131	Optical sensing of biological, chemical and ionic species through aggregation of plasmonic nanoparticles. *Journal of Materials Chemistry C*, **2014**, 2, 7460	7.1	177
130	Plasmon Mapping in Au@Ag Nanocube Assemblies. *Journal of Physical Chemistry C*, **2014**, 118, 15356-15362	4.8	38
129	Metal nanoparticles and supramolecular macrocycles: a tale of synergy. *Chemistry - A European Journal*, **2014**, 20, 10874-83	5.9	108
128	Laser heating tunability by off-resonant irradiation of gold nanoparticles. *Small*, **2014**, 10, 376-84	11	16
127	Pillar[5]arene-mediated synthesis of gold nanoparticles: size control and sensing capabilities. *Chemistry - A European Journal*, **2014**, 20, 8404-9	4.8	37
126	Supported Pd Nanoparticles for Carbon–Carbon Coupling Reactions. *Topics in Catalysis*, **2013**, 56, 1154-1170	2.9	61
125	Multifunctionality in metal@microgel colloidal nanocomposites. *Journal of Materials Chemistry A*, **2013**, 1, 20-26	13	61
124	Size tunable Au@Ag core-shell nanoparticles: synthesis and surface-enhanced Raman scattering properties. *Langmuir*, **2013**, 29, 15076-82	4	255
123	Layer-by-layer assembled gold nanoparticles with a tunable payload of a nitric oxide photocage. *Journal of Colloid and Interface Science*, **2013**, 407, 524-8	9.3	16
122	Dimethylformamide-mediated synthesis of water-soluble platinum nanodendrites for ethanol oxidation electrocatalysis. *Nanoscale*, **2013**, 5, 4776-84	7.7	46
121	Size-dependent surface plasmon resonance broadening in nonspherical nanoparticles: single gold nanorods. *Nano Letters*, **2013**, 13, 2234-40	11.5	147
120	Controllable nitric oxide release in the presence of gold nanoparticles. *Langmuir*, **2013**, 29, 8061-9	4	33
119	Self-Assembly of Au@Ag Nanorods Mediated by Gemini Surfactants for Highly Efficient SERS-Active Supercrystals. *Advanced Optical Materials*, **2013**, 1, 477-481	8.1	91

118	Au@Ag Nanoparticles: Halides Stabilize {100} Facets. *Journal of Physical Chemistry Letters*, **2013**, 4, 2209-2216	6.4	126
117	Growth and branching of gold nanoparticles through mesoporous silica thin films. *Nanoscale*, **2012**, 4, 931-9	7.7	33
116	Hydrophobic interactions modulate self-assembly of nanoparticles. *ACS Nano*, **2012**, 6, 11059-65	16.7	257
115	Highly transparent and conductive films of densely aligned ultrathin Au nanowire monolayers. *Nano Letters*, **2012**, 12, 6066-70	11.5	96
114	Seedless Synthesis of Single Crystalline Au Nanoparticles with Unusual Shapes and Tunable LSPR in the near-IR. *Chemistry of Materials*, **2012**, 24, 1393-1399	9.6	44
113	Acoustic Vibrations in Bimetallic Au@Pd Core-Shell Nanorods. *Journal of Physical Chemistry Letters*, **2012**, 3, 613-9	6.4	45
112	Effects of gold nanoparticles on the stability of microbubbles. *Langmuir*, **2012**, 28, 13808-15	4	34
111	Antibonding plasmon modes in colloidal gold nanorod clusters. *Langmuir*, **2012**, 28, 8826-33	4	26
110	Ordered arrays of gold nanostructures from interfacially assembled Au@PNIPAM hybrid nanoparticles. *Langmuir*, **2012**, 28, 8985-93	4	75
109	A general LbL strategy for the growth of pNIPAM microgels on Au nanoparticles with arbitrary shapes. *Soft Matter*, **2012**, 8, 4165-4170	3.6	40
108	Protein/Polymer-Based Dual-Responsive Gold Nanoparticles with pH-Dependent Thermal Sensitivity. *Advanced Functional Materials*, **2012**, 22, 1436-1444	15.6	97
107	Steric hindrance induces crosslike self-assembly of gold nanodumbbells. *Nano Letters*, **2012**, 12, 4380-4	11.5	78
106	Overgrowth and Crystalline Structure of Gold Nanorods. *Microscopy and Microanalysis*, **2012**, 18, 67-68	0.5	1
105	Reshaping and LSPR tuning of Au nanostars in the presence of CTAB. *Journal of Materials Chemistry* , **2011**, 21, 11544		97
104	Synthesis of thermosensitive microgels with a tunable magnetic core. *Langmuir*, **2011**, 27, 10484-91	4	35
103	Multifunctional microgel magnetic/optical traps for SERS ultradetection. *Langmuir*, **2011**, 27, 4520-5	4	91
102	Flow dichroism as a reliable method to measure the hydrodynamic aspect ratio of gold nanoparticles. *ACS Nano*, **2011**, 5, 4935-44	16.7	29
101	Reversible assembly of metal nanoparticles induced by penicillamine. Dynamic formation of SERS hot spots. *Journal of Materials Chemistry*, **2011**, 21, 16880		69

100	Growth of pentatwinned gold nanorods into truncated decahedra. *Nanoscale*, **2010**, 2, 2377-83	7.7	52
99	Heating rate influence on the synthesis of iron oxide nanoparticles: the case of decanoic acid. *Chemical Communications*, **2010**, 46, 6108-10	5.8	83
98	Evidence for Hydrogen-Bonding-Directed Assembly of Gold Nanorods in Aqueous Solution. *Journal of Physical Chemistry Letters*, **2010**, 1, 1181-1185	6.4	69
97	Catalysis by [email´protected] Nanocomposites: Effect of the Cross-Linking Density. *Chemistry of Materials*, **2010**, 22, 3051-3059	9.6	152
96	Growth of Sharp Tips on Gold Nanowires Leads to Increased Surface-Enhanced Raman Scattering Activity. *Journal of Physical Chemistry Letters*, **2010**, 1, 24-7	6.4	60
95	Colloidal gold-catalyzed reduction of ferrocyanate (III) by borohydride ions: a model system for redox catalysis. *Langmuir*, **2010**, 26, 1271-7	4	86
94	Modulation of Localized Surface Plasmons and SERS Response in Gold Dumbbells through Silver Coating. *Journal of Physical Chemistry C*, **2010**, 114, 10417-10423	3.8	118
93	Recent progress on silica coating of nanoparticles and related nanomaterials. *Advanced Materials*, **2010**, 22, 1182-95	24	613
92	Rapid epitaxial growth of Ag on Au nanoparticles: from Au nanorods to core-shell Au@Ag octahedrons. *Chemistry - A European Journal*, **2010**, 16, 5558-63	4.8	79
91	Growing Au/Ag nanoparticles within microgel colloids for improved surface-enhanced Raman scattering detection. *Chemistry - A European Journal*, **2010**, 16, 9462-7	4.8	72
90	The Crystalline Structure of Gold Nanorods Revisited: Evidence for Higher-Index Lateral Facets. *Angewandte Chemie*, **2010**, 122, 9587-9590	3.6	22
89	Binary Self-Assembly of Gold Nanowires with Nanospheres and Nanorods. *Angewandte Chemie*, **2010**, 122, 10181-10185	3.6	20
88	The crystalline structure of gold nanorods revisited: evidence for higher-index lateral facets. *Angewandte Chemie - International Edition*, **2010**, 49, 9397-400	16.4	131
87	Binary self-assembly of gold nanowires with nanospheres and nanorods. *Angewandte Chemie - International Edition*, **2010**, 49, 9985-9	16.4	111
86	Chemical seeded growth of Ag nanoparticle arrays and their application as reproducible SERS substrates. *Nano Today*, **2010**, 5, 21-27	17.9	96
85	Au@pNIPAM Thermosensitive Nanostructures: Control over Shell Cross-linking, Overall Dimensions, and Core Growth. *Advanced Functional Materials*, **2009**, 19, 3070-3076	15.6	136
84	Au@pNIPAM Colloids as Molecular Traps for Surface-Enhanced, Spectroscopic, Ultra-Sensitive Analysis. *Angewandte Chemie*, **2009**, 121, 144-149	3.6	26
83	Gemini-Surfactant-Directed Self-Assembly of Monodisperse Gold Nanorods into Standing Superlattices. *Angewandte Chemie*, **2009**, 121, 9648-9652	3.6	23

82	Au@pNIPAM colloids as molecular traps for surface-enhanced, spectroscopic, ultra-sensitive analysis. *Angewandte Chemie - International Edition*, **2009**, 48, 138-43	16.4	263
81	Gemini-surfactant-directed self-assembly of monodisperse gold nanorods into standing superlattices. *Angewandte Chemie - International Edition*, **2009**, 48, 9484-8	16.4	192
80	Kinetic study of nitrosation of methylformamide. *Journal of Physical Organic Chemistry*, **2009**, 22, 504-507	1.1	
79	Multiresponsive hybrid colloids based on gold nanorods and poly(NIPAM-co-allylacetic acid) microgels: temperature- and pH-tunable plasmon resonance. *Langmuir*, **2009**, 25, 3163-7	4	110
78	Fully uncomplexed cyclodextrin in mixed systems of vesicle-cyclodextrin: solvolysis of benzoyl chlorides. *Journal of Physical Chemistry B*, **2009**, 113, 6749-55	3.4	12
77	Spectroscopy, Imaging, and Modeling of Individual Gold Decahedra. *Journal of Physical Chemistry C*, **2009**, 113, 18623-18631	3.8	63
76	Highly controlled silica coating of PEG-capped metal nanoparticles and preparation of SERS-encoded particles. *Langmuir*, **2009**, 25, 13894-9	4	176
75	Field gradient imaging of nanoparticle systems: analysis of geometry and surface coating effects. *Nanotechnology*, **2009**, 20, 095708	3.4	7
74	The effect of surface roughness on the plasmonic response of individual sub-micron gold spheres. *Physical Chemistry Chemical Physics*, **2009**, 11, 5909-14	3.6	107
73	Synthesis of multifunctional composite microgels via in situ Ni growth on pNIPAM-coated Au nanoparticles. *ACS Nano*, **2009**, 3, 3184-90	16.7	69
72	Preparation And Properties Of Flexible Nanocomposites, Obtained By A Combination Of Colloidal Chemistry And Sol-Gel Approach. *NATO Science for Peace and Security Series B: Physics and Biophysics*, **2009**, 245-250	0.2	
71	Pt-Catalyzed Growth of Ni Nanoparticles in Aqueous CTAB Solution. *Chemistry of Materials*, **2008**, 20, 5399-5405	9.6	48
70	Organization of Magnetic/Noble Metal Heterostructures by an Applied External Magnetic Field. *Materials Research Society Symposia Proceedings*, **2008**, 1079, 1		
69	Redshift of surface plasmon modes of small gold rods due to their atomic roughness and end-cap geometry. *Physical Review B*, **2008**, 77,	3.3	45
68	Influence of Iodide Ions on the Growth of Gold Nanorods: Tuning Tip Curvature and Surface Plasmon Resonance. *Advanced Functional Materials*, **2008**, 18, 3780-3786	15.6	112
67	Modeling the Optical Response of Highly Faceted Metal Nanoparticles with a Fully 3D Boundary Element Method. *Advanced Materials*, **2008**, 20, 4288-4293	24	103
66	Encapsulation and Growth of Gold Nanoparticles in Thermoresponsive Microgels. *Advanced Materials*, **2008**, 20, 1666-1670	24	234
65	Optical gas sensing of TiO2 and TiO2/Au nanocomposite thin films. *Sensors and Actuators B: Chemical*, **2008**, 132, 107-115	8.5	78

64	Shape control in gold nanoparticle synthesis. *Chemical Society Reviews*, **2008**, 37, 1783-91	58.5	1571
63	Synthesis and optical characterization of submicrometer gold nanotubes grown on goethite rods. *Langmuir*, **2008**, 24, 9675-81	4	20
62	Overgrowth of gold nanorods: From rods to octahedrons **2008**, 259-260		
61	TEM characterization of metallic Ni nanoshells grown on gold nanorods and on carbon nanotubes **2008**, 153-154		
60	Plasmonics of Gold Nanorods. Considerations for Biosensing. *NATO Science for Peace and Security Series B: Physics and Biophysics*, **2008**, 103-111	0.2	2
59	Optical Properties of Platinum-Coated Gold Nanorods. *Journal of Physical Chemistry C*, **2007**, 111, 6183-6188	3.8	110
58	Plasmon coupling in layer-by-layer assembled gold nanorod films. *Langmuir*, **2007**, 23, 4606-11	4	108
57	Chemical sharpening of gold nanorods: the rod-to-octahedron transition. *Angewandte Chemie - International Edition*, **2007**, 46, 8983-7	16.4	117
56	Chemical Sharpening of Gold Nanorods: The Rod-to-Octahedron Transition. *Angewandte Chemie*, **2007**, 119, 9141-9145	3.6	27
55	Quasi-Epitaxial Growth of Ni Nanoshells on Au Nanorods. *Advanced Materials*, **2007**, 19, 2262-2266	24	75
54	Spectrophotometric study of metal–ligand reactions in isooctane/Brij30/water nonionic microemulsions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2007**, 295, 49-54	5.1	2
53	Nonionic microemulsions: Effects of the interface on metal–ligand reactions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2007**, 309, 286-291	5.1	3
52	Hematite spindles with optical functionalities: growth of gold nanoshells and assembly of gold nanorods. *Journal of Colloid and Interface Science*, **2007**, 310, 297-301	9.3	27
51	Nanorod-coated PNIPAM microgels: thermoresponsive optical properties. *Small*, **2007**, 3, 1222-9	11	240
50	Magnetic–Noble Metal Nanocomposites with Morphology-Dependent Optical Response. *Chemistry of Materials*, **2007**, 19, 4415-4422	9.6	59
49	The Effect of Silica Coating on the Optical Response of Sub-micrometer Gold Spheres. *Journal of Physical Chemistry C*, **2007**, 111, 13361-13366	3.8	90
48	Drastic Surface Plasmon Mode Shifts in Gold Nanorods Due to Electron Charging. *Plasmonics*, **2006**, 1, 61-66	2.4	129
47	Synthesis and Optical Properties of Gold Nanodecahedra with Size Control. *Advanced Materials*, **2006**, 18, 2529-2534	24	329

46	In search of fully uncomplexed cyclodextrin in the presence of micellar aggregates. *Journal of Physical Chemistry B*, **2006**, 110, 15831-8	3.4	19
45	Seeded growth of submicron Au colloids with quadrupole plasmon resonance modes. *Langmuir*, **2006**, 22, 7007-10	4	316
44	Influence of silver ions on the growth mode of platinum on gold nanorods. *Journal of Materials Chemistry*, **2006**, 16, 3946-3951		110
43	Contributions from radiation damping and surface scattering to the linewidth of the longitudinal plasmon band of gold nanorods: a single particle study. *Physical Chemistry Chemical Physics*, **2006**, 8, 3540-6	3.6	253
42	Effects of zwitterionic vesicles on the reactivity of benzoyl chlorides. *Journal of Physical Chemistry B* , **2006**, 110, 8524-30	3.4	11
41	Silica-Coating and Hydrophobation of CTAB-Stabilized Gold Nanorods. *Chemistry of Materials*, **2006**, 18, 2465-2467	9.6	347
40	Optically active poly(dimethylsiloxane) elastomer films through doping with gold nanoparticles. *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 453-8	1.3	23
39	Evidence for complexes of different stoichiometries between organic solvents and cyclodextrins. *Organic and Biomolecular Chemistry*, **2006**, 4, 1038-48	3.9	23
38	Metallodielectric hollow shells: optical and catalytic properties. *Chemistry - an Asian Journal*, **2006**, 1, 730-6	4.5	35
37	Crystal structure dependence of the elastic constants of gold nanorods. *Journal of Materials Chemistry*, **2006**, 16, 3957		91
36	Characterization of Alkane Diol-CD Complexes. Acid Denitrosation of N-Methyl-N-Nitroso-p-Toluenesulphonamide as a Chemical Probe. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2006**, 54, 209-216		4
35	Reactivity of benzoyl chlorides in nonionic microemulsions: potential application as indicators of system properties. *Journal of Physical Chemistry B*, **2005**, 109, 22614-22	3.4	19
34	Gold nanorods: Synthesis, characterization and applications. *Coordination Chemistry Reviews*, **2005**, 249, 1870-1901	23.2	1640
33	Spatially-directed oxidation of gold nanoparticles by Au(III)-CTAB complexes. *Journal of Physical Chemistry B*, **2005**, 109, 14257-61	3.4	289
32	Aligning Au nanorods by using carbon nanotubes as templates. *Angewandte Chemie - International Edition*, **2005**, 44, 4375-8	16.4	216
31	Aligning Au Nanorods by Using Carbon Nanotubes as Templates. *Angewandte Chemie*, **2005**, 117, 4449-4452	3.6	25
30	Optical Control and Patterning of Gold-Nanorod–Poly(vinyl alcohol) Nanocomposite Films. *Advanced Functional Materials*, **2005**, 15, 1065-1071	15.6	234
29	Denitrosation of N-Nitrososulfonamide as Chemical Probe for Determination of Binding Constants to Cyclodextrins. *Supramolecular Chemistry*, **2005**, 17, 649-653	1.8	8

28	Electric-Field-Directed Growth of Gold Nanorods in Aqueous Surfactant Solutions. *Advanced Functional Materials*, **2004**, 14, 571-579	15.6	504
27	Silica gels with tailored, gold nanorod-driven optical functionalities. *Applied Surface Science*, **2004**, 226, 137-143	6.7	68
26	Flexible ureasil hybrids with tailored optical properties through doping with metal nanoparticles. *Langmuir*, **2004**, 20, 10268-72	4	41
25	Determination of the Elastic Constants of Gold Nanorods Produced by Seed Mediated Growth. *Nano Letters*, **2004**, 4, 2493-2497	11.5	68
24	Basic hydrolysis of crystal violet in beta-cyclodextrin/surfactant mixed systems. *Langmuir*, **2004**, 20, 606-13	4	46
23	Optical properties of metal nanoparticle coated silica spheres: a simple effective medium approach. *Physical Chemistry Chemical Physics*, **2004**, 6, 5056-5060	3.6	110
22	Pseudophase Approach to Reactivity in Microemulsions: Quantitative Explanation of the Kinetics of the Nitroso Group Transfer Reactions between N-methyl-N-nitroso-p- toluenesulfonamide and Secondary Alkylamines in Water/AOT/Isooctane Microemulsions. *Industrial & Engineering Chemistry Research*, **2003**, 42, 5450-5456	3.9	25
21	Comparative study of nitroso group transfer in colloidal aggregates: micelles, vesicles and microemulsions. *New Journal of Chemistry*, **2003**, 27, 372-380	3.6	29
20	Determination of the hydrolysis rate of AOT in AOT□Isooctane□water microemulsions using sodium□nitroprusside as chemical probe. *Journal of Physical Organic Chemistry*, **2002**, 15, 576-581	2.1	13
19	Changes in the Fraction of Uncomplexed Cyclodextrin in Equilibrium with the Micellar System as a Result of Balance between Micellization and Cyclodextrin□Surfactant Complexation. Cationic Alkylammonium Surfactants. *Journal of Physical Chemistry B*, **2001**, 105, 4912-4920	3.4	30
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