

Ramon A Alvarez-Puebla

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.

201
papers

14,006
citations

64
h-index

114
g-index

224
ext. papers

15,848
ext. citations

8.6
avg, IF

6.79
L-index

#	Paper	IF	Citations
201	Widefield SERS for High-Throughput Nanoparticle Screening.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	2
200	Plasmonic Azobenzene Chemoreporter for Surface-Enhanced Raman Scattering Detection of Biothiols. <i>Biosensors</i> , 2022 , 12, 267	5.9	
199	Positively-charged plasmonic nanostructures for SERS sensing applications.. <i>RSC Advances</i> , 2021 , 12, 845-859	3.7	1
198	X-ray-Based Techniques to Study the Nano-Bio Interface. <i>ACS Nano</i> , 2021 , 15, 3754-3807	16.7	18
197	Spontaneous and stimulated electron-photon interactions in nanoscale plasmonic near fields. <i>Light: Science and Applications</i> , 2021 , 10, 82	16.7	14
196	Surface-Enhanced Raman Scattering (SERS) Spectroscopy for Sensing and Characterization of Exosomes in Cancer Diagnosis. <i>Cancers</i> , 2021 , 13,	6.6	16
195	Paper-based plasmonic substrates as surface-enhanced Raman scattering spectroscopy platforms for cell culture applications. <i>Materials Today Bio</i> , 2021 , 11, 100125	9.9	1
194	Targets and Tools: Nucleic Acids for Surface-Enhanced Raman Spectroscopy. <i>Biosensors</i> , 2021 , 11,	5.9	2
193	Fabrication of colloidal platforms for surface-enhanced Raman spectroscopy on optically inert templates. <i>Journal of Raman Spectroscopy</i> , 2021 , 52, 554-562	2.3	2
192	Plasmonic foam platforms for air quality monitoring. <i>Nanoscale</i> , 2021 , 13, 1738-1744	7.7	2
191	Silver melamine thin film as a flexible platform for SERS analysis. <i>Nanoscale</i> , 2021 , 13, 7375-7380	7.7	2
190	Gold-spiked coating of silver particles through cold nanowelding. <i>Nanoscale</i> , 2021 , 13, 4530-4536	7.7	2
189	Surface-Enhanced Raman Scattering Sensing of Transition Metal Ions in Waters. <i>ACS Omega</i> , 2021 , 6, 1054-1063	3.9	10
188	Structural Recognition of Triple-Stranded DNA by Surface-Enhanced Raman Spectroscopy. <i>Nanomaterials</i> , 2021 , 11,	5.4	5
187	Synthesis of SERS-encoded nanotags: From single nanoparticles to highly brilliant complex core-satellite structures. <i>Journal of Physics: Conference Series</i> , 2020 , 1461, 012127	0.3	
186	Surface-enhanced Raman scattering (SERS) sensing of nucleic acids. <i>Frontiers of Nanoscience</i> , 2020 , 9-23	0.7	1
185	Cancer Diagnosis through SERS and Other Related Techniques. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	23

184	Surface-enhanced Raman scattering chemosensing of proteins 2020 , 553-567		1
183	Fabrication and SERS properties of complex and organized nanoparticle plasmonic clusters stable in solution. <i>Nanoscale</i> , 2020 , 12, 14948-14956	7.7	18
182	Nanoparticle-based mobile biosensors for the rapid detection of sepsis biomarkers in whole blood. <i>Nanoscale Advances</i> , 2020 , 2, 1253-1260	5.1	34
181	Iron-Assisted Synthesis of Highly Monodispersed and Magnetic Citrate-Stabilized Small Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 3270-3276	3.8	3
180	Surface-enhanced Raman scattering holography. <i>Nature Nanotechnology</i> , 2020 , 15, 1005-1011	28.7	28
179	Fabrication of Plasmonic Supercrystals and Their SERS Enhancing Properties. <i>ACS Omega</i> , 2020 , 5, 25485-25492	3.9	11
178	Surface-Enhanced Raman Scattering Detection of Nucleic Acids Exhibiting Sterically Accessible Guanines Using Ruthenium-Polypyridyl Reagents. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7218-7223	6.4	3
177	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
176	Modular assembly of plasmonic core-satellite structures as highly brilliant SERS-encoded nanoparticles. <i>Nanoscale Advances</i> , 2019 , 1, 122-131	5.1	31
175	Three-Dimensional Surface-Enhanced Raman Scattering Platforms: Large-Scale Plasmonic Hotspots for New Applications in Sensing, Microreaction, and Data Storage. <i>Accounts of Chemical Research</i> , 2019 , 52, 1844-1854	24.3	51
174	Surface-Enhanced Raman Spectroscopy in Cancer Diagnosis, Prognosis and Monitoring. <i>Cancers</i> , 2019 , 11,	6.6	50
173	Extraordinarily transparent compact metallic metamaterials. <i>Nature Communications</i> , 2019 , 10, 2118	17.4	21
172	Aqueous Stable Gold Nanostar/ZIF-8 Nanocomposites for Light-Triggered Release of Active Cargo Inside Living Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7078-7082	16.4	58
171	Aqueous Stable Gold Nanostar/ZIF-8 Nanocomposites for Light-Triggered Release of Active Cargo Inside Living Cells. <i>Angewandte Chemie</i> , 2019 , 131, 7152-7156	3.6	9
170	Spontaneous Formation of Cold-Welded Plasmonic Nanoassemblies with Refracted Shapes for Intense Raman Scattering. <i>Langmuir</i> , 2019 , 35, 4110-4116	4	3
169	Microporous Plasmonic Capsules as Stable Molecular Sieves for Direct SERS Quantification of Small Pollutants in Natural Waters. <i>ChemNanoMat</i> , 2019 , 5, 46-50	3.5	19
168	Multiplex SERS Chemosensing of Metal Ions via DNA-Mediated Recognition. <i>Analytical Chemistry</i> , 2019 , 91, 11778-11784	7.8	15
167	Boosting the analytical properties of gold nanostars by single particle confinement into yolk porous silica shells. <i>Nanoscale</i> , 2019 , 11, 21872-21879	7.7	6

166	Surface-enhanced Raman spectroscopy (SERS) characterisation of abasic sites in DNA duplexes. <i>Analyst, The</i> , 2019 , 144, 6862-6865	5	5
165	Laser-protective soft contact lenses: Keeping an eye on the eye through plasmonics. <i>Applied Materials Today</i> , 2019 , 15, 1-5	6.6	5
164	Silver-Assisted Synthesis of Gold Nanorods: the Relation between Silver Additive and Iodide Impurities. <i>Small</i> , 2018 , 14, e1703879	11	23
163	Nanotechnologies for early diagnosis, in situ disease monitoring, and prevention 2018 , 1-92		4
162	Colloidal bioplasmonics. <i>Nano Today</i> , 2018 , 20, 58-73	17.9	22
161	Direct surface-enhanced Raman scattering (SERS) spectroscopy of nucleic acids: from fundamental studies to real-life applications. <i>Chemical Society Reviews</i> , 2018 , 47, 4909-4923	58.5	121
160	Continuous-wave multiphoton photoemission from plasmonic nanostars. <i>Communications Physics</i> , 2018 , 1,	5.4	26
159	The Role of Nanoscience in Cancer Diagnosis 2018 , 177-197		6
158	Surface Modifications of Nanoparticles for Stability in Biological Fluids. <i>Materials</i> , 2018 , 11,	3.5	240
157	Adaptive metabolic pattern biomarker for disease monitoring and staging of lung cancer with liquid biopsy. <i>Npj Precision Oncology</i> , 2018 , 2, 16	9.8	5
156	SERS-fluorescent encoded particles as dual-mode optical probes. <i>Applied Materials Today</i> , 2018 , 13, 1-146.6		29
155	Plasmonic Macroscopic Structures: from linear assemblies to 3D structured super-crystals. <i>Journal of Physics: Conference Series</i> , 2018 , 1092, 012113	0.3	
154	Plasmon Tunability of Gold Nanostars at the Tip Apexes. <i>ACS Omega</i> , 2018 , 3, 17173-17179	3.9	29
153	Ion-Selective Ligands: How Colloidal Nano- and Micro-Particles Can Introduce New Functionalities. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018 , 232, 1307-1317	3.1	5
152	Conformational SERS Classification of K-Ras Point Mutations for Cancer Diagnostics. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2381-2385	16.4	39
151	Conformational SERS Classification of K-Ras Point Mutations for Cancer Diagnostics. <i>Angewandte Chemie</i> , 2017 , 129, 2421-2425	3.6	5
150	Online Flowing Colloidosomes for Sequential Multi-analyte High-Throughput SERS Analysis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5565-5569	16.4	29
149	Robust raspberry-like metallo-dielectric nanoclusters of critical sizes as SERS substrates. <i>Nanoscale</i> , 2017 , 9, 5725-5736	7.7	26

148	Online Flowing Colloidosomes for Sequential Multi-analyte High-Throughput SERS Analysis. <i>Angewandte Chemie</i> , 2017 , 129, 5657-5661	3.6	5
147	Smelling, Seeing, Tasting-Old Senses for New Sensing. <i>ACS Nano</i> , 2017 , 11, 5217-5222	16.7	28
146	Optofluidic device for the quantification of circulating tumor cells in breast cancer. <i>Scientific Reports</i> , 2017 , 7, 3677	4.9	16
145	Colloidal synthesis of silicon nanoparticles in molten salts. <i>Nanoscale</i> , 2017 , 9, 8157-8163	7.7	12
144	Quantitative Particle-Cell Interaction: Some Basic Physicochemical Pitfalls. <i>Langmuir</i> , 2017 , 33, 6639-6646	4	56
143	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017 , 11, 2313-2381	16.7	714
142	Cancer characterization and diagnosis with SERS-encoded particles. <i>Cancer Nanotechnology</i> , 2017 , 8,	7.9	42
141	SERS Quantification and Characterization of Proteins and Other Biomolecules. <i>Langmuir</i> , 2017 , 33, 9711-9730	7	80
140	Innentitelbild: Conformational SERS Classification of K-Ras Point Mutations for Cancer Diagnostics (Angew. Chem. 9/2017). <i>Angewandte Chemie</i> , 2017 , 129, 2256-2256	3.6	0
139	The Structure of Short and Genomic DNA at the Interparticle Junctions of Cationic Nanoparticles. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700724	4.6	13
138	Microfluidic device with dual-channel fluorescence acquisition for quantification/identification of cancer cells. <i>Microfluidics and Nanofluidics</i> , 2017 , 21, 1	2.8	2
137	Metabolic pathway for the universal fluorescent recognition of tumor cells. <i>Oncotarget</i> , 2017 , 8, 76108-76115	3	3
136	Online SERS Quantification of Staphylococcus aureus and the Application to Diagnostics in Human Fluids. <i>Advanced Materials Technologies</i> , 2016 , 1, 1600163	6.8	36
135	Direct Quantification of DNA Base Composition by Surface-Enhanced Raman Scattering Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3037-41	6.4	40
134	Fast Optical Chemical and Structural Classification of RNA. <i>ACS Nano</i> , 2016 , 10, 2834-42	16.7	41
133	Fabrication and optical enhancing properties of discrete supercrystals. <i>Nanoscale</i> , 2016 , 8, 12702-9	7.7	14
132	Ultrasensitive multiplex optical quantification of bacteria in large samples of biofluids. <i>Scientific Reports</i> , 2016 , 6, 29014	4.9	45
131	Silver colloids as plasmonic substrates for direct label-free surface-enhanced Raman scattering analysis of DNA. <i>Analyst, The</i> , 2016 , 141, 5170-80	5	39

130	A study of the depth and size of concave cube Au nanoparticles as highly sensitive SERS probes. <i>Nanoscale</i> , 2016 , 8, 7326-33	7.7	38
129	Surface-Enhanced Raman Scattering Surface Selection Rules for the Proteomic Liquid Biopsy in Real Samples: Efficient Detection of the Oncoprotein c-MYC. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14206-14209	16.4	60
128	Boosting the Quantitative Inorganic Surface-Enhanced Raman Scattering Sensing to the Limit: The Case of Nitrite/Nitrate Detection. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 868-74	6.4	33
127	SERS Detection of Amyloid Oligomers on Metallorganic-Decorated Plasmonic Beads. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9420-8	9.5	71
126	Special issue on surface-enhanced Raman spectroscopy. <i>Journal of Optics (United Kingdom)</i> , 2015 , 17, 110201	1.7	2
125	Plasmonic-polymer hybrid hollow microbeads for surface-enhanced Raman scattering (SERS) ultradetection. <i>Journal of Colloid and Interface Science</i> , 2015 , 460, 128-34	9.3	11
124	Direct growth of shape controlled TiO ₂ nanocrystals onto SWCNTs for highly active photocatalytic materials in the visible. <i>Applied Catalysis B: Environmental</i> , 2015 , 178, 91-99	21.8	23
123	Direct surface-enhanced Raman scattering analysis of DNA duplexes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1144-8	16.4	124
122	Ultrasensitive Direct Quantification of Nucleobase Modifications in DNA by Surface-Enhanced Raman Scattering: The Case of Cytosine. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13650-4	16.4	50
121	Ultrasensitive Direct Quantification of Nucleobase Modifications in DNA by Surface-Enhanced Raman Scattering: The Case of Cytosine. <i>Angewandte Chemie</i> , 2015 , 127, 13854-13858	3.6	13
120	SERS efficiencies of micrometric polystyrene beads coated with gold and silver nanoparticles: the effect of nanoparticle size. <i>Journal of Optics (United Kingdom)</i> , 2015 , 17, 114012	1.7	29
119	Universal One-Pot and Scalable Synthesis of SERS Encoded Nanoparticles. <i>Chemistry of Materials</i> , 2015 , 27, 950-958	9.6	81
118	Direct Surface-Enhanced Raman Scattering Analysis of DNA Duplexes. <i>Angewandte Chemie</i> , 2015 , 127, 1160-1164	3.6	37
117	Revealing DNA interactions with exogenous agents by surface-enhanced Raman scattering. <i>Journal of the American Chemical Society</i> , 2015 , 137, 469-76	16.4	77
116	Organized Solid Thin Films of Gold Nanorods with Different Sizes for Surface-Enhanced Raman Scattering Applications. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 28095-28100	3.8	19
115	Synthesis and Optical Properties of Homogeneous Nanoshurikens. <i>ACS Photonics</i> , 2014 , 1, 1237-1244	6.3	27
114	Chemical speciation of heavy metals by surface-enhanced Raman scattering spectroscopy: identification and quantification of inorganic- and methyl-mercury in water. <i>Nanoscale</i> , 2014 , 6, 8368-75	7.7	71
113	Silicon nanoparticles as Raman scattering enhancers. <i>Nanoscale</i> , 2014 , 6, 5666-70	7.7	48

112	Real Time Dual-Channel Multiplex SERS Ultradetection. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 73-9	6.4	23
111	Hierarchical Materials: SERS Platforms of Plasmonic Hydrophobic Surfaces for Analyte Concentration: Hierarchically Assembled Gold Nanorods on Anodized Aluminum (Part. Part. Syst. Charact. 11/2014). <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 1108-1108	3.1	
110	Silicon particles as trojan horses for potential cancer therapy. <i>Journal of Nanobiotechnology</i> , 2014 , 12, 35	9.4	15
109	SERS Platforms of Plasmonic Hydrophobic Surfaces for Analyte Concentration: Hierarchically Assembled Gold Nanorods on Anodized Aluminum. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 1134-1140	3.1	17
108	Plasmonic Mesoporous Composites as Molecular Sieves for SERS Detection. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2715-2720	6.4	61
107	Nanoreactors for simultaneous remote thermal activation and optical monitoring of chemical reactions. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13616-9	16.4	57
106	Plasmonic Nanoprobes for Real-Time Optical Monitoring of Nitric Oxide inside Living Cells. <i>Angewandte Chemie</i> , 2013 , 125, 13939-13943	3.6	18
105	Highly sensitive SERS quantification of the oncogenic protein c-Jun in cellular extracts. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10314-7	16.4	95
104	Macroscale plasmonic substrates for highly sensitive surface-enhanced Raman scattering. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6459-63	16.4	67
103	Simultaneous SERS detection of copper and cobalt at ultratrace levels. <i>Nanoscale</i> , 2013 , 5, 5841-6	7.7	73
102	CuTe nanocrystals: shape and size control, plasmonic properties, and use as SERS probes and photothermal agents. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7098-101	16.4	342
101	Self-Assembly of Au@Ag Nanorods Mediated by Gemini Surfactants for Highly Efficient SERS-Active Supercrystals. <i>Advanced Optical Materials</i> , 2013 , 1, 477-481	8.1	91
100	Analysis of the SERS spectrum by theoretical methodology: evaluating a classical dipole model and the detuning of the excitation frequency. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 4584-90	2.8	12
99	The effect of the silica thickness on the enhanced emission in single particle quantum dots coated with gold nanoparticles. <i>RSC Advances</i> , 2013 , 3, 10691	3.7	14
98	Plasmonic nanoprobes for real-time optical monitoring of nitric oxide inside living cells. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13694-8	16.4	64
97	Innenrücktitelbild: Macroscale Plasmonic Substrates for Highly Sensitive Surface-Enhanced Raman Scattering (Angew. Chem. 25/2013). <i>Angewandte Chemie</i> , 2013 , 125, 6675-6675	3.6	0
96	Macroscale Plasmonic Substrates for Highly Sensitive Surface-Enhanced Raman Scattering. <i>Angewandte Chemie</i> , 2013 , 125, 6587-6591	3.6	12
95	Self-assembled nanorod supercrystals for ultrasensitive SERS diagnostics. <i>Nano Today</i> , 2012 , 7, 6-9	17.9	53

94	Optical Sensing of Small Ions with Colloidal Nanoparticles. <i>Chemistry of Materials</i> , 2012 , 24, 738-745	9.6	52
93	SERS detection of small inorganic molecules and ions. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11214-23	16.4	210
92	Nachweis kleiner anorganischer Moleküle durch oberflächenverstärkte Raman-Streuung (SERS). <i>Angewandte Chemie</i> , 2012 , 124, 11376-11385	3.6	13
91	Organized Plasmonic Clusters with High Coordination Number and Extraordinary Enhancement in Surface-Enhanced Raman Scattering (SERS). <i>Angewandte Chemie</i> , 2012 , 124, 12860-12865	3.6	12
90	Organized plasmonic clusters with high coordination number and extraordinary enhancement in surface-enhanced Raman scattering (SERS). <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12688-93	16.4	137
89	SERS assisted ultra-fast peptidic screening: a new tool for drug discovery. <i>Nanoscale</i> , 2012 , 4, 113-6	7.7	25
88	Large-area organization of pNIPAM-coated nanostars as SERS platforms for polycyclic aromatic hydrocarbons sensing in gas phase. <i>Langmuir</i> , 2012 , 28, 9168-73	4	84
87	Multiplex optical sensing with surface-enhanced Raman scattering: a critical review. <i>Analytica Chimica Acta</i> , 2012 , 745, 10-23	6.6	111
86	SERS-Encoded Particles 2012 , 33-49		2
85	Effects of the Excitation Wavelength on the SERS Spectrum. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 857-66	6.4	188
84	Surface-Enhanced Raman scattering-based detection of the interactions between the essential cell division FtsZ protein and bacterial membrane elements. <i>ACS Nano</i> , 2012 , 6, 7514-20	16.7	48
83	Plasmonic nanosensors with inverse sensitivity by means of enzyme-guided crystal growth. <i>Nature Materials</i> , 2012 , 11, 604-7	27	350
82	Spiked gold beads as substrates for single-particle SERS. <i>ChemPhysChem</i> , 2012 , 13, 2561-5	3.2	53
81	Inside Cover: Spiked Gold Beads as Substrates for Single-Particle SERS (ChemPhysChem 10/2012). <i>ChemPhysChem</i> , 2012 , 13, 2422-2422	3.2	2
80	Traps and cages for universal SERS detection. <i>Chemical Society Reviews</i> , 2012 , 41, 43-51	58.5	262
79	From nano to micro: synthesis and optical properties of homogeneous spheroidal gold particles and their superlattices. <i>Langmuir</i> , 2012 , 28, 8909-14	4	47
78	Reshaping and LSPR tuning of Au nanostars in the presence of CTAB. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11544		97
77	Intracellular mapping with SERS-encoded gold nanostars. <i>Integrative Biology (United Kingdom)</i> , 2011 , 3, 922-6	3.7	116

76	Microdroplet fabrication of silver agarose nanocomposite beads for SERS optical accumulation. <i>Soft Matter</i> , 2011 , 7, 1321-1325	3.6	35
75	Controlling inter-nanoparticle coupling by wrinkle-assisted assembly. <i>Soft Matter</i> , 2011 , 7, 4093	3.6	48
74	Quantitative surface-enhanced Raman scattering ultradetection of atomic inorganic ions: the case of chloride. <i>ACS Nano</i> , 2011 , 5, 7539-46	16.7	69
73	Multifunctional microgel magnetic/optical traps for SERS ultradetection. <i>Langmuir</i> , 2011 , 27, 4520-5	4	91
72	Gold nanorods 3D-supercrystals as surface enhanced Raman scattering spectroscopy substrates for the rapid detection of scrambled prions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 8157-61	11.5	383
71	Controlled assembly of plasmonic colloidal nanoparticle clusters. <i>Nanoscale</i> , 2011 , 3, 1304-15	7.7	228
70	SERS chiral recognition and quantification of enantiomers through cyclodextrin supramolecular complexation. <i>ChemPhysChem</i> , 2011 , 12, 1529-35	3.2	33
69	Silver coated aluminium microrods as highly colloidal stable SERS platforms. <i>Nanoscale</i> , 2011 , 3, 3265-8	7.7	20
68	Environmental applications of plasmon assisted Raman scattering. <i>Energy and Environmental Science</i> , 2010 , 3, 1011	35.4	140
67	Highly uniform SERS substrates formed by wrinkle-confined drying of gold colloids. <i>Chemical Science</i> , 2010 , 1, 174	9.4	119
66	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
65	Surface Enhanced Raman Scattering Using Star-Shaped Gold Colloidal Nanoparticles \square <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7336-7340	3.8	195
64	Tuning size and sensing properties in colloidal gold nanostars. <i>Langmuir</i> , 2010 , 26, 14943-50	4	378
63	Light Concentration at the Nanometer Scale. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 2428-2434	6.4	258
62	Free-standing carbon nanotube films as optical accumulators for multiplex SERRS attomolar detection. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 19-22	9.5	18
61	Surface-enhanced Raman scattering biomedical applications of plasmonic colloidal particles. <i>Journal of the Royal Society Interface</i> , 2010 , 7 Suppl 4, S435-50	4.1	157
60	SERS-active gold lace nanoshells with built-in hotspots. <i>Nano Letters</i> , 2010 , 10, 4013-9	11.5	142
59	Modulation of Localized Surface Plasmons and SERS Response in Gold Dumbbells through Silver Coating. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 10417-10423	3.8	118

58	Synthetic Routes and Plasmonic Properties of Noble Metal Nanoplates. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 4288-4297	2.3	60
57	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
56	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
55	SERS-based diagnosis and biodetection. <i>Small</i> , 2010 , 6, 604-10	11	355
54	Au@pNIPAM Colloids as Molecular Traps for Surface-Enhanced, Spectroscopic, Ultra-Sensitive Analysis. <i>Angewandte Chemie</i> , 2009 , 121, 144-149	3.6	26
53	Loading of Exponentially Grown LBL Films with Silver Nanoparticles and Their Application to Generalized SERS Detection. <i>Angewandte Chemie</i> , 2009 , 121, 5430-5433	3.6	21
52	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
51	Loading of exponentially grown LBL films with silver nanoparticles and their application to generalized SERS detection. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5326-9	16.4	111
50	Robust Au-PEG/PS microbeads as optically stable platforms for SERS. <i>Small</i> , 2009 , 5, 1283-6	11	28
49	Synthesis of Sulfur-Containing Aryl and Heteroaryl Vinyls via Suzuki-Miyaura Cross-Coupling for the Preparation of SERS-Active Polymers. <i>Tetrahedron Letters</i> , 2009 , 50, 5467-5469	2	11
48	SERS-active Ag/Au bimetallic nanoalloys on Si/SiO(x). <i>Journal of Colloid and Interface Science</i> , 2009 , 333, 237-41	9.3	32
47	Gold colloids with unconventional angled shapes. <i>Langmuir</i> , 2009 , 25, 11431-5	4	34
46	SERS study of the controllable release of nitric oxide from aromatic nitrosothiols on bimetallic, bifunctional nanoparticles supported on carbon nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 56-9	9.5	22
45	Design of SERS-encoded, submicron, hollow particles through confined growth of encapsulated metal nanoparticles. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2699-705	16.4	133
44	Highly controlled silica coating of PEG-capped metal nanoparticles and preparation of SERS-encoded particles. <i>Langmuir</i> , 2009 , 25, 13894-9	4	176
43	Bifunctional Nanocomposites with Long-Term Stability as SERS Optical Accumulators for Ultrasensitive Analysis. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3373-3377	3.8	63
42	Recyclable molecular trapping and SERS detection in silver-loaded agarose gels with dynamic hot spots. <i>Analytical Chemistry</i> , 2009 , 81, 9233-8	7.8	93
41	Highly Catalytic Single-Crystal Dendritic Pt Nanostructures Supported on Carbon Nanotubes. <i>Chemistry of Materials</i> , 2009 , 21, 1531-1535	9.6	93

40	Synthesis of silver nanoparticles with controllable surface charge and their application to surface-enhanced Raman scattering. <i>Analytical Chemistry</i> , 2009 , 81, 2280-5	7.8	89
39	The effect of surface roughness on the plasmonic response of individual sub-micron gold spheres. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 5909-14	3.6	107
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