

# Pedro H C Camargo

## 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.

172  
papers

11,043  
citations

46  
h-index

103  
g-index

192  
ext. papers

12,205  
ext. citations

7.4  
avg, IF

6.46  
L-index

#	Paper	IF	Citations
172	Plasmonic catalysis with designer nanoparticles.. <i>Chemical Communications</i> , <b>2022</b> ,	5.8	7
171	Enhanced Spontaneous Antibacterial Activity of MnO by Alkali Metals Doping.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 788574	5.8	1
170	Hydroquinone-Based Synthesis of Pd Nanostructures and the Interplay of Surface Capping, Reduction Kinetics, Attachment, Diffusion, and Fusion. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 8430-8439	9.6	2
169	<b>2021</b> ,		7
168	One-Step synthesis of PtFe/CeO <sub>2</sub> catalyst for the Co-Preferential oxidation reaction at low temperatures. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 17751-17762	6.7	4
167	Atomic-Precision Tailoring of AuAg CoreShell Composite Nanoparticles for Direct Electrochemical-Plasmonic Hydrogen Evolution in Water Splitting. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102517	15.6	7
166	Earth-Abundant Plasmonic Catalysts <b>2021</b> , 231-259		
165	Synthesis of Plasmonic Nanoparticles for Photo- and Electrocatalysis <b>2021</b> , 71-108		
164	Tuning band gap of MnO <sub>2</sub> nanoflowers by Alkali metal doping for enhanced Ferroptosis/phototherapy synergism in Cancer. <i>Applied Materials Today</i> , <b>2021</b> , 23, 101027	6.6	7
163	Untangling Thermal and Nonthermal Effects in Plasmonic Photocatalysis <b>2021</b> , 191-230		
162	Plasmonic Catalysis, Photoredox Chemistry, and Photosynthesis <b>2021</b> , 137-164		
161	Plasmonic Metal/Semiconductor Heterostructures <b>2021</b> , 295-322		
160	Theory of Plasmonic Excitations <b>2021</b> , 1-35		
159	Characterization and Properties of Plasmonic-Catalytic Nanostructures from the Atomic Scale to the Reactor Scale <b>2021</b> , 37-69		1
158	Plasmonic Catalysis for N <sub>2</sub> Fixation <b>2021</b> , 165-189		
157	Plasmonic Catalysis Toward Hydrogenation Reactions <b>2021</b> , 109-136		
156	Plasmon-Enhanced Electrocatalysis <b>2021</b> , 261-293		1

155	Bringing Earth-Abundant Plasmonic Catalysis to Light: Gram-Scale Mechanochemical Synthesis and Tuning of Activity by Dual Excitation of Antenna and Reactor Sites. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 9750-9760	8.3	2
154	Mechanistic Insights into the Light-Driven Catalysis of an Immobilized Lipase on Plasmonic Nanomaterials. <i>ACS Catalysis</i> , <b>2021</b> , 11, 414-423	13.1	8
153	Improving the Electrocatalytic Activities and CO Tolerance of Pt NPs by Incorporating TiO <sub>2</sub> Nanocubes onto Carbon Supports. <i>ChemCatChem</i> , <b>2021</b> , 13, 1931-1939	5.2	5
152	Recent Advances in Plasmonic Photocatalysis Based on TiO and Noble Metal Nanoparticles for Energy Conversion, Environmental Remediation, and Organic Synthesis. <i>Small</i> , <b>2021</b> , e2101638	11	39
151	Design-controlled synthesis of IrO sub-monolayers on Au nanoflowers: marrying plasmonic and electrocatalytic properties. <i>Nanoscale</i> , <b>2020</b> , 12, 12281-12291	7.7	14
150	PdPt-TiO <sub>2</sub> nanowires: correlating composition, electronic effects and O-vacancies with activities towards water splitting and oxygen reduction. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 277, 119177	21.8	18
149	Role of the metal-support interface in the hydrodeoxygenation reaction of phenol. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 277, 119238	21.8	18
148	Visible light plasmon excitation of silver nanoparticles against antibiotic-resistant <i>Pseudomonas aeruginosa</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2020</b> , 31, 101908	3.5	11
147	Gold-amine cooperative catalysis for reductions and reductive aminations using formic acid as hydrogen source. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 267, 118728	21.8	10
146	Chemometric-assisted construction of a biosensing device to measure chlorogenic acid content in brewed coffee beverages to discriminate quality. <i>Food Chemistry</i> , <b>2020</b> , 315, 126306	8.5	22
145	MnO <sub>2</sub> /Vulcan-Based Gas Diffusion Electrode for Mineralization of Diazo Dye in Simulated Effluent. <i>Electrocatalysis</i> , <b>2020</b> , 11, 268-274	2.7	0
144	Automated Single-Particle Reconstruction of Heterogeneous Inorganic Nanoparticles. <i>Microscopy and Microanalysis</i> , <b>2020</b> , 26, 1168-1175	0.5	4
143	Piperazine-promoted gold-catalyzed hydrogenation: the influence of capping ligands. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 1996-2003	5.5	8
142	Recoverable and Reusable Polymer Microbead-Supported Metal Nanocatalysts for Redox Chemical Transformations. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 1722-1730	5.6	0
141	Chemical versus electrochemical: What is the best synthesis method to ternary GO/WO <sub>3</sub> NW/PAni nanocomposites to improve performance as supercapacitor?. <i>Electrochimica Acta</i> , <b>2020</b> , 356, 136786	6.7	5
140	Tandem X-ray absorption spectroscopy and scattering for in situ time-resolved monitoring of gold nanoparticle mechanosynthesis. <i>Chemical Communications</i> , <b>2020</b> , 56, 10329-10332	5.8	13
139	Challenges and opportunities in the bottom-up mechanochemical synthesis of noble metal nanoparticles. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 16114-16141	13	60
138	Investigating the role of reducing agents on mechanosynthesis of Au nanoparticles. <i>CrystEngComm</i> , <b>2020</b> , 22, 6261-6267	3.3	12

137	Hot Electrons, Hot Holes, or Both? Tandem Synthesis of Imines Driven by the Plasmonic Excitation in Au/CeO Nanorods. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	4
136	Investigating the effect of MnO <sub>2</sub> band gap in hybrid MnO <sub>2</sub> /Au materials over the SPR-mediated activities under visible light. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 925-931	13	20
135	MWCNT-COOH supported PtSnNi electrocatalysts for direct ethanol fuel cells: Low Pt content, selectivity and chemical stability. <i>Renewable Energy</i> , <b>2019</b> , 143, 1397-1405	8.1	5
134	In situ FTIR insights into the electrooxidation mechanism of glucose as a function of the surface facets of Cu <sub>2</sub> O-based electrocatalytic sensors. <i>Journal of Catalysis</i> , <b>2019</b> , 375, 95-103	7.3	19
133	Ethanol steam reforming: understanding changes in the activity and stability of Rh/MxO <sub>y</sub> catalysts as function of the support. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 11400-11416	4.3	9
132	Laccase stabilized on ED-glucan films on the surface of carbon black/gold nanoparticles: A new platform for electrochemical biosensing. <i>Bioelectrochemistry</i> , <b>2019</b> , 129, 116-123	5.6	22
131	Tuning Thermal Catalytic Enhancement in Doped MnO-Au Nano-Heterojunctions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 17444-17451	9.5	16
130	Nanocatalysis by noble metal nanoparticles: controlled synthesis for the optimization and understanding of activities. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 5857-5874	13	142
129	Understanding plasmonic catalysis with controlled nanomaterials based on catalytic and plasmonic metals. <i>Current Opinion in Colloid and Interface Science</i> , <b>2019</b> , 39, 110-122	7.6	30
128	Exploiting the Synergetic Behavior of PtPd Bimetallic Catalysts in the Selective Hydrogenation of Glucose and Furfural. <i>Catalysts</i> , <b>2019</b> , 9, 132	4	7
127	Synthesis of highly dispersed gold nanoparticles on Al <sub>2</sub> O <sub>3</sub> , SiO <sub>2</sub> , and TiO <sub>2</sub> for the solvent-free oxidation of benzyl alcohol under low metal loadings. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 238-251	4.3	22
126	Green synthesis of Au decorated CoFeO nanoparticles for catalytic reduction of 4-nitrophenol and dimethylphenylsilane oxidation.. <i>RSC Advances</i> , <b>2019</b> , 9, 22116-22123	3.7	18
125	Pt-Decorated TiO <sub>2</sub> Materials Supported on Carbon: Increasing Activities and Stabilities toward the ORR by Tuning the Pt Loading. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 5759-5768	6.1	19
124	Rational Design of Bimetallic Nanocatalysts for Tandem Transformations. <i>Trends in Chemistry</i> , <b>2019</b> , 1, 707-708	14.8	
123	Investigating the repair of alveolar bone defects by gelatin methacrylate hydrogels-encapsulated human periodontal ligament stem cells. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2019</b> , 31, 3	4.5	8
122	Synthesis, Transformation, and Utilization of Monodispersed Colloidal Spheres. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 3475-3487	24.3	26
121	A mechano-colloidal approach for the controlled synthesis of metal nanoparticles. <i>Chemical Communications</i> , <b>2019</b> , 55, 14267-14270	5.8	10
120	Mineralization of paracetamol using a gas diffusion electrode modified with ceria high aspect ratio nanostructures. <i>Electrochimica Acta</i> , <b>2019</b> , 295, 39-49	6.7	15

119	Ni supported Ce <sub>0.9</sub> Sm <sub>0.1</sub> O <sub>2</sub> -nanowires: An efficient catalyst for ethanol steam reforming for hydrogen production. <i>Fuel</i> , <b>2019</b> , 237, 1244-1253	7.1	26
118	Amperometric determination of ascorbic acid with a glassy carbon electrode modified with TiO <sub>2</sub> -gold nanoparticles integrated into carbon nanotubes. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 251	5.8	18
117	Sub-15 nm CeO <sub>2</sub> nanowires as an efficient non-noble metal catalyst in the room-temperature oxidation of aniline. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 1828-1839	5.5	30
116	Carbon-supported MnO <sub>2</sub> nanoflowers: Introducing oxygen vacancies for optimized volcano-type electrocatalytic activities towards H <sub>2</sub> O <sub>2</sub> generation. <i>Electrochimica Acta</i> , <b>2018</b> , 268, 101-110	6.7	34
115	Evaluating Gold and Selenium Chemistry for Selective Transformations of Lignin Model Compounds. <i>Advanced Synthesis and Catalysis</i> , <b>2018</b> , 360, 1376-1383	5.6	4
114	Correlating structural dynamics and catalytic activity of AgAu nanoparticles with ultrafast spectroscopy and all-atom molecular dynamics simulations. <i>Faraday Discussions</i> , <b>2018</b> , 208, 269-286	3.6	3
113	Reaction Pathway Dependence in Plasmonic Catalysis: Hydrogenation as a Model Molecular Transformation. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 12330-12339	4.8	18
112	Marrying SPR excitation and metal-support interactions: unravelling the contribution of active surface species in plasmonic catalysis. <i>Nanoscale</i> , <b>2018</b> , 10, 8560-8568	7.7	11
111	Controlling Reduction Kinetics in the Galvanic Replacement Involving Metal Oxides Templates: Elucidating the Formation of Bimetallic Bowls, Rattles, and Dendrites from Cu <sub>2</sub> O Spheres. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1700175	3.1	9
110	Combining active phase and support optimization in MnO-Au nanoflowers: Enabling high activities towards green oxidations. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 530, 282-291	9.3	20
109	Controlled synthesis of noble metal nanomaterials: motivation, principles, and opportunities in nanocatalysis. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2018</b> , 90, 719-744	1.4	27
108	Furfural Oxidation on Gold Supported on MnO <sub>2</sub> : Influence of the Support Structure on the Catalytic Performances. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1246	2.6	14
107	Why Could the Nature of Surface Facets Lead to Differences in the Activity and Stability of Cu <sub>2</sub> O-Based Electrocatalytic Sensors?. <i>ACS Catalysis</i> , <b>2018</b> , 8, 6265-6272	13.1	37
106	Addressing the Effects of Size-dependent Absorption, Scattering, and Near-field Enhancements in Plasmonic Catalysis. <i>ChemCatChem</i> , <b>2018</b> , 10, 3447-3452	5.2	10
105	Synthesis of Colloidal Metal Nanocrystals: A Comprehensive Review on the Reductants. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 16944-16963	4.8	93
104	Ceria high aspect ratio nanostructures supported on carbon for hydrogen peroxide electrogeneration. <i>Electrochimica Acta</i> , <b>2018</b> , 259, 865-872	6.7	31
103	On the effect of TiO <sub>2</sub> nanocrystallites over the plasmonic photodegradation by Au nanoparticles. <i>Journal of Raman Spectroscopy</i> , <b>2018</b> , 49, 1953-1960	2.3	7
102	Controlling Reaction Selectivity over Hybrid Plasmonic Nanocatalysts. <i>Nano Letters</i> , <b>2018</b> , 18, 7289-7297	11.5	57

101	Carbon nitrides and metal nanoparticles: from controlled synthesis to design principles for improved photocatalysis. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 7783-7817	58.5	167
100	Application and stability of cathodes with manganese dioxide nanoflowers supported on Vulcan by Fenton systems for the degradation of RB5 azo dye. <i>Chemosphere</i> , <b>2018</b> , 208, 131-138	8.4	19
99	Supports matter: unraveling the role of charge transfer in the plasmonic catalytic activity of silver nanoparticles. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11720-11729	13	25
98	On the Effect of Native SiO on Si over the SPR-mediated Photocatalytic Activities of Au and Ag Nanoparticles. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 7185-7190	4.8	8
97	Galvanic replacement reaction: recent developments for engineering metal nanostructures towards catalytic applications. <i>Chemical Communications</i> , <b>2017</b> , 53, 7135-7148	5.8	142
96	Controlled Synthesis of Nanomaterials at the Undergraduate Laboratory: Cu(OH) <sub>2</sub> and CuO Nanowires. <i>Journal of Chemical Education</i> , <b>2017</b> , 94, 743-750	2.4	11
95	Cu <sub>2</sub> O spheres as an efficient source of catalytic Cu(I) species for performing azide-alkyne click reactions. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 590-595	2	18
94	Employing Calcination as a Facile Strategy to Reduce the Cytotoxicity in CoFeO and NiFeO Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39830-39838	9.5	14
93	Detoxification of organophosphates using imidazole-coated Ag, Au and AgAu nanoparticles. <i>RSC Advances</i> , <b>2017</b> , 7, 40711-40719	3.7	13
92	Systematic investigation of the effect of oxygen mobility on CO oxidation over AgPt nanoshells supported on CeO <sub>2</sub> , TiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Materials Science</i> , <b>2017</b> , 52, 13764-13778	4.3	7
91	Automated quantification of morphology and chemistry from STEM data of individual nanoparticles. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 902, 012018	0.3	2
90	Pd-based nanoflowers catalysts: controlling size, composition, and structures for the 4-nitrophenol reduction and BTX oxidation reactions. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 603-614	4.3	23
89	Catalytic Properties of AgPt Nanoshells as a Function of Size: Larger Outer Diameters Lead to Improved Performances. <i>Langmuir</i> , <b>2016</b> , 32, 9371-9	4	9
88	Evaluation of AgPd Nanoshells in Dual Catalysis: One-Pot Silane Oxidation and Reduction of Organic Compounds. <i>ChemCatChem</i> , <b>2016</b> , 8, 3657-3662	5.2	3
87	Plasmonic Nanorattles as Next-Generation Catalysts for Surface Plasmon Resonance-Mediated Oxidations Promoted by Activated Oxygen. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 7111-5	16.4	80
86	Bimetallic Au@Pd-Au Tadpole-Shaped Asymmetric Nanostructures by a Combination of Precursor Reduction and Ostwald Ripening. <i>ChemNanoMat</i> , <b>2016</b> , 2, 509-514	3.5	3
85	Rational design of plasmonic catalysts: matching the surface plasmon resonance with lamp emission spectra for improved performance in AgAu nanorings. <i>RSC Advances</i> , <b>2016</b> , 6, 62286-62290	3.7	22
84	Plasmonic Nanorattles as Next-Generation Catalysts for Surface Plasmon Resonance-Mediated Oxidations Promoted by Activated Oxygen. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 7227-7231	3.6	15



83	Bimetallic Nanoshells as Platforms for Metallo- and Biometallo-Catalytic Applications. <i>ChemCatChem</i> , <b>2016</b> , 8, 171-179	5.2	17
82	Efficient ceria catalysts for BTX oxidation: Probing the catalytic performance and oxygen storage. <i>Chemical Engineering Journal</i> , <b>2016</b> , 286, 369-376	14.7	13
81	MnO <sub>2</sub> nanowires decorated with Au ultrasmall nanoparticles for the green oxidation of silanes and hydrogen production under ultralow loadings. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 184, 35-43	21.8	49
80	Hollow AgPt/SiO <sub>2</sub> nanomaterials with controlled surface morphologies: is the number of Pt surface atoms imperative to optimize catalytic performances?. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 2162-2170	5.5	20
79	STEM-EDX tomography of bimetallic nanoparticles: A methodological investigation. <i>Ultramicroscopy</i> , <b>2016</b> , 162, 61-73	3.1	64
78	Facile Synthesis of Sub-20 nm Silver Nanowires through a Bromide-Mediated Polyol Method. <i>ACS Nano</i> , <b>2016</b> , 10, 7892-900	16.7	173
77	Probing the catalytic activity of bimetallic versus trimetallic nanoshells. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 5620-5629	4.3	25
76	Carbon-supported TiO <sub>2</sub> /Au hybrids as catalysts for the electrogeneration of hydrogen peroxide: Investigating the effect of TiO <sub>2</sub> shape. <i>Journal of Catalysis</i> , <b>2015</b> , 326, 100-106	7.3	39
75	Controlling the Selectivity of the Surface Plasmon Resonance Mediated Oxidation of p-Aminothiophenol on Au Nanoparticles by Charge Transfer from UV-excited TiO <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 6909-12	16.4	88
74	Probing the Catalytic Activity of Reduced Graphene Oxide Decorated with Au Nanoparticles Triggered by Visible Light. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 9889-94	4.8	16
73	The Fault in Their Shapes: Investigating the Surface-Plasmon-Resonance-Mediated Catalytic Activities of Silver Quasi-Spheres, Cubes, Triangular Prisms, and Wires. <i>Langmuir</i> , <b>2015</b> , 31, 10272-8	4	39
72	Controlling the Selectivity of the Surface Plasmon Resonance Mediated Oxidation of p-Aminothiophenol on Au Nanoparticles by Charge Transfer from UV-excited TiO <sub>2</sub> . <i>Angewandte Chemie</i> , <b>2015</b> , 127, 7013-7016	3.6	30
71	Theoretical Design and Experimental Realization of Quasi Single Electron Enhancement in Plasmonic Catalysis. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 14635-14639	3.6	4
70	Theoretical Design and Experimental Realization of Quasi Single Electron Enhancement in Plasmonic Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 14427-31	16.4	3
69	Surface Segregated AgAu Tadpole-Shaped Nanoparticles Synthesized Via a Single Step Combined Galvanic and Citrate Reduction Reaction. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 12314-20	4.8	15
68	AgPt Hollow Nanodendrites: Synthesis and Uniform Dispersion over SiO <sub>2</sub> Support for Catalytic Applications. <i>ChemNanoMat</i> , <b>2015</b> , 1, 46-51	3.5	27
67	Controlling Size, Morphology, and Surface Composition of AgAu Nanodendrites in 15 s for Improved Environmental Catalysis under Low Metal Loadings. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 25624-32	9.5	37
66	Controlled Synthesis: Nucleation and Growth in Solution <b>2015</b> , 49-74		4

65	Investigating the Plasmon-Mediated Catalytic Activity of AgAu Nanoparticles as a Function of Composition: Are Two Metals Better than One?. <i>ACS Catalysis</i> , <b>2014</b> , 4, 3815-3819	13.1	59
64	Size dependence of ultrafast charge dynamics in monodisperse Au nanoparticles supported on TiO <sub>2</sub> colloidal spheres. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 14189-94	3.6	9
63	Real-time imaging and elemental mapping of AgAu nanoparticle transformations. <i>Nanoscale</i> , <b>2014</b> , 6, 13598-605	7.7	55
62	Correlating catalytic activity of Ag-Au nanoparticles with 3D compositional variations. <i>Nano Letters</i> , <b>2014</b> , 14, 1921-6	11.5	113
61	A Facile Strategy to Support Palladium Nanoparticles on Carbon Nanotubes, Employing Polyvinylpyrrolidone as a Surface Modifier. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 1439-1443	2.3	7
60	Understanding the limitations of the Super-X energy dispersive x-ray spectrometer as a function of specimen tilt angle for tomographic data acquisition in the S/TEM. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 522, 012025	0.3	8
59	AN UNDERGRADUATE LEVEL EXPERIMENT ON THE SYNTHESIS OF Au NANOPARTICLES AND THEIR SIZE-DEPENDENT OPTICAL AND CATALYTIC PROPERTIES. <i>Quimica Nova</i> , <b>2014</b> ,	1.6	6
58	Surface diffusion versus atomic addition: using temperature to maneuver the morphology of Pd nanostructures by seeded-growth. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	1
57	Rapid synthesis of hollow Ag-Au nanodendrites in 15 seconds by combining galvanic replacement and precursor reduction reactions. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 15040-6	4.8	26
56	Triangular metal nanoprisms of Ag, Au, and Cu: Modeling the influence of size, composition, and excitation wavelength on the optical properties. <i>Chemical Physics</i> , <b>2013</b> , 423, 142-150	2.3	48
55	Investigating the influence of the interface in thiol-functionalized silver-gold nanoshells over lipase activity. <i>Langmuir</i> , <b>2013</b> , 29, 15974-80	4	9
54	Emeraldine Salt Form of Polyaniline as a Probe Molecule for Surface Enhanced Raman Scattering Substrates Excited at 1064 nm. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 18199-18205	3.8	16
53	A facile approach to TiO <sub>2</sub> colloidal spheres decorated with Au nanoparticles displaying well-defined sizes and uniform dispersion. <i>Langmuir</i> , <b>2013</b> , 29, 1642-9	4	89
52	Size-controlled synthesis of silver micro/nanowires as enabled by HCL oxidative etching. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 1887-93	3.6	11
51	Tailoring the structure, composition, optical properties and catalytic activity of AgAu nanoparticles by the galvanic replacement reaction. <i>Chemical Physics Letters</i> , <b>2012</b> , 531, 188-192	2.5	40
50	Comparative study on the far-field spectra and near-field amplitudes for silver and gold nanocubes irradiated at 514, 633 and 785 nm as a function of the edge length. <i>European Physical Journal D</i> , <b>2012</b> , 66, 1	1.3	19
49	On the optical properties of copper nanocubes as a function of the edge length as modeled by the discrete dipole approximation. <i>Chemical Physics Letters</i> , <b>2012</b> , 544, 64-69	2.5	19
48	Silver-gold nanotubes containing hot spots on their surface: facile synthesis and surface-enhanced Raman scattering investigations. <i>RSC Advances</i> , <b>2012</b> , 2, 9801	3.7	19



47	Functionalization of gold and silver nanoparticles with diphenyl dichalcogenides probed by surface enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , <b>2012</b> , 43, 712-717	2.3	9
46	Synthesis of Pd-Pt bimetallic nanocrystals with a concave structure through a bromide-induced galvanic replacement reaction. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 6078-89	16.4	364
45	Understanding the Effect of Adsorption Geometry over Substrate Selectivity in the Surface-Enhanced Raman Scattering Spectra of Simazine and Atrazine. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 4184-4190	3.8	42
44	Understanding the SERS Effects of Single Silver Nanoparticles and Their Dimers, One at a Time. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 696-703	6.4	188
43	Epitaxial overgrowth of platinum on palladium nanocrystals. <i>Nanoscale</i> , <b>2010</b> , 2, 2406-11	7.7	59
42	Thiol-induced assembly of Au nanoparticles into chainlike structures and their fixing by encapsulation in silica shells or gelatin microspheres. <i>Langmuir</i> , <b>2010</b> , 26, 10005-12	4	56
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32	Shape-Controlled Synthesis of Pd Nanocrystals in Aqueous Solutions. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 189-200	15.6	529
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23	Dimers of silver nanospheres: facile synthesis and their use as hot spots for surface-enhanced Raman scattering. <i>Nano Letters</i> , <b>2009</b> , 9, 485-90	11.5	539
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1	Visible Light Plasmon Excitation of Silver Nanoparticles Against Antibiotic-Resistant <i>Pseudomonas aeruginosa</i>		1