

Miguel A Correa-Duarte

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.

138
papers

6,839
citations

43
h-index

80
g-index

160
ext. papers

7,440
ext. citations

8.6
avg, IF

5.81
L-index

#	Paper	IF	Citations
138	Chiral Generation of Hot Carriers for Polarization-Sensitive Plasmonic Photocatalysis.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	4
137	Development of a biosensor for phosphorylated Tau 181 protein detection in Early-Stage Alzheimer's disease.. <i>Bioelectrochemistry</i> , 2022 , 145, 108057	5.6	0
136	Local Growth Mediated by Plasmonic Hot Carriers: Chirality from Achiral Nanocrystals Using Circularly Polarized Light. <i>Nano Letters</i> , 2021 ,	11.5	4
135	SERS and electrochemical impedance spectroscopy immunoassay for carcinoembryonic antigen. <i>Electrochimica Acta</i> , 2021 , 366, 137377	6.7	7
134	A caging strategy for tuning the magneto-optical properties of cobalt ferrite using a single plasmonic nanoparticle. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5098-5104	7.1	0
133	Visible light driven oxidation of harmful 2-Chloroethyl ethyl sulfide using SiO ₂ -TiO ₂ composite particles and air. <i>Colloids and Interface Science Communications</i> , 2021 , 41, 100362	5.4	3
132	Chiral Photomelting of DNA-Nanocrystal Assemblies Utilizing Plasmonic Photoheating. <i>Nano Letters</i> , 2021 , 21, 7298-7308	11.5	7
131	Sunlight-Sensitive Plasmonic Nanostructured Composites as Photocatalytic Coating with Antibacterial Properties. <i>Advanced Functional Materials</i> , 2021 , 31, 2105807	15.6	7
130	The Influence of miRNAs on Radiotherapy Treatment in Prostate Cancer - A Systematic Review. <i>Frontiers in Oncology</i> , 2021 , 11, 704664	5.3	
129	One-pot synthesis of TiO ₂ /Sb ₂ S ₃ /RGO complex multicomponent heterostructures for highly enhanced photoelectrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 31216-31227	6.7	47
128	Engineering Sub-Cellular Targeting Strategies to Enhance Safe Cytosolic Silica Particle Dissolution in Cells. <i>Pharmaceutics</i> , 2020 , 12,	6.4	4
127	A custom-made functionalization method to control the biological identity of nanomaterials. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 29, 102268	6	3
126	Hot Electrons Generated in Chiral Plasmonic Nanocrystals as a Mechanism for Surface Photochemistry and Chiral Growth. <i>Journal of the American Chemical Society</i> , 2020 , 142, 4193-4205	16.4	27
125	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
124	Impact of Citrate and Lipid-Functionalized Magnetic Nanoparticles in Dehydropeptide Supramolecular Magnetogels: Properties, Design and Drug Release. <i>Nanomaterials</i> , 2020 , 11,	5.4	2
123	Photophysical Effects behind the Efficiency of Hot Electron Injection in Plasmon-Assisted Catalysis: The Joint Role of Morphology and Composition. <i>ACS Energy Letters</i> , 2020 , 5, 395-402	20.1	20
122	Remote Activation of Hollow Nanoreactors for Heterogeneous Photocatalysis in Biorelevant Media. <i>Nano Letters</i> , 2020 , 20, 7068-7076	11.5	11

121	Efficiency of Hot-Electron Generation in Plasmonic Nanocrystals with Complex Shapes: Surface-Induced Scattering, Hot Spots, and Interband Transitions. <i>ACS Photonics</i> , 2020 , 7, 2807-2824	6.3	26
120	Design of Polymeric and Biocompatible Delivery Systems by Dissolving Mesoporous Silica Templates. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
119	Hollow nanoreactors for Pd-catalyzed Suzuki-Miyaura coupling and -propargyl cleavage reactions in bio-relevant aqueous media. <i>Chemical Science</i> , 2019 , 10, 2598-2603	9.4	57
118	Chiral Plasmonic Nanocrystals for Generation of Hot Electrons: Toward Polarization-Sensitive Photochemistry. <i>Nano Letters</i> , 2019 , 19, 1395-1407	11.5	50
117	Controlled drug delivery systems for cancer based on mesoporous silica nanoparticles. <i>International Journal of Nanomedicine</i> , 2019 , 14, 3389-3401	7.3	64
116	Extraordinarily transparent compact metallic metamaterials. <i>Nature Communications</i> , 2019 , 10, 2118	17.4	21
115	Spontaneous Formation of Cold-Welded Plasmonic Nanoassemblies with Refracted Shapes for Intense Raman Scattering. <i>Langmuir</i> , 2019 , 35, 4110-4116	4	3
114	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
113	Pd-CNT-SiO nanoskein: composite structure design for formic acid dehydrogenation. <i>Chemical Communications</i> , 2019 , 55, 10733-10736	5.8	8
112	Titanate Nanowires as One-Dimensional Hot Spot Generators for Broadband Au-TiO Photocatalysis. <i>Nanomaterials</i> , 2019 , 9,	5.4	9
111	Dual biorecognition by combining molecularly-imprinted polymer and antibody in SERS detection. Application to carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , 2019 , 146, 111761	11.8	39
110	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
109	Tobacco Mosaic Virus-Functionalized Mesoporous Silica Nanoparticles, a Wool-Ball-like Nanostructure for Drug Delivery. <i>Langmuir</i> , 2019 , 35, 203-211	4	13
108	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
107	Traveling Hot Spots in Plasmonic Photocatalysis: Manipulating Interparticle Spacing for Real-Time Control of Electron Injection. <i>ChemCatChem</i> , 2018 , 10, 1561-1565	5.2	18
106	Self-Assembly of Spherical or Rod-Shaped Magnetic Nanocrystals onto Curved Substrates Governed by the Radius of Curvature. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1800046	3.1	4
105	Plasmonic Retrofitting of Membrane Materials: Shifting from Self-Regulation to On-Command Control of Fluid Flow. <i>Advanced Materials</i> , 2018 , 30, e1707598	24	10
104	Robust raspberry-like metallo-dielectric nanoclusters of critical sizes as SERS substrates. <i>Nanoscale</i> , 2017 , 9, 5725-5736	7.7	26

103	Hybrid plasmonic nanoresonators as efficient solar heat shields. <i>Nano Energy</i> , 2017 , 37, 118-125	17.1	18
102	Takeaway Drug delivery: A new nanomedical paradigm. <i>Nano Research</i> , 2017 , 10, 2234-2243	10	4
101	Au-decorated sodium titanate nanotubes as high-performance selective photocatalysts for pollutant degradation. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 144002	3	15
100	Optical Trapping of Plasmonic Mesocapsules: Enhanced Optical Forces and SERS. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 691-700	3.8	14
99	Tunable Black Gold: Controlling the Near-Field Coupling of Immobilized Au Nanoparticles Embedded in Mesoporous Silica Capsules. <i>Advanced Optical Materials</i> , 2017 , 5, 1700617	8.1	16
98	A Biomimetic Escape Strategy for Cytoplasm Invasion by Synthetic Particles. <i>Angewandte Chemie</i> , 2017 , 129, 13924-13928	3.6	0
97	A Biomimetic Escape Strategy for Cytoplasm Invasion by Synthetic Particles. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13736-13740	16.4	12
96	Co nanocrystals engineering. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2017 , 8, 025010	1.6	
95	Carbon nanotubes gathered onto silica particles lose their biomimetic properties with the cytoskeleton becoming biocompatible. <i>International Journal of Nanomedicine</i> , 2017 , 12, 6317-6328	7.3	20
94	Macrophagic enhancement in optical coherence tomography imaging by means of superparamagnetic iron oxide nanoparticles. <i>Cardiology Journal</i> , 2017 , 24, 459-466	1.4	2
93	Hierarchical Nanoplatfoms for High-Performance Enzyme Biocatalysis under Denaturing Conditions. <i>ChemCatChem</i> , 2016 , 8, 1236-1237	5.2	1
92	Quantitative uptake of colloidal particles by cell cultures. <i>Science of the Total Environment</i> , 2016 , 568, 819-828	10.2	33
91	Carbon Nanotube Microfiber Actuators with Reduced Stress Relaxation. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 6851-6858	3.8	13
90	Hierarchical Nanoplatfoms for High-Performance Enzyme Biocatalysis under Denaturing Conditions. <i>ChemCatChem</i> , 2016 , 8, 1264-1268	5.2	14
89	Immobilization of laccase on functionalized multiwalled carbon nanotube membranes and application for dye decolorization. <i>RSC Advances</i> , 2016 , 6, 114690-114697	3.7	39
88	Boosting Hot Electron-Driven Photocatalysis through Anisotropic Plasmonic Nanoparticles with Hot Spots in Au@TiO ₂ Nanoarchitectures. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 11690-11699	3.8	151
87	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
86	Kinetic impact of Pt seed morphology on the highly controlled growth of Ni-based nanostructures. <i>RSC Advances</i> , 2015 , 5, 52033-52040	3.7	1

85	Enhancing the Exploitation of Functional Nanomaterials through Spatial Confinement: The Case of Inorganic Submicrometer Capsules. <i>Langmuir</i> , 2015 , 31, 8745-55	4	16
84	Gain-assisted plasmonic metamaterials: mimicking nature to go across scales. <i>Rendiconti Lincei</i> , 2015 , 26, 161-174	1.7	11
83	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
82	Engineering microencapsulation of highly catalytic gold nanoclusters for an extreme thermal stability. <i>Nanoscale</i> , 2015 , 7, 20584-92	7.7	7
81	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
80	Synergy effects of magnetic silica nanostructures for drug delivery applications. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 2645-2653	7.3	13
79	Loss-Mitigated Collective Resonances in Gain-Assisted Plasmonic Mesocapsules. <i>ACS Photonics</i> , 2014 , 1, 371-376	6.3	25
78	Microfluidic-induced growth and shape-up of three-dimensional extended arrays of densely packed nanoparticles. <i>ACS Nano</i> , 2013 , 7, 6465-77	16.7	31
77	Hollow-shelled nanoreactors endowed with high catalytic activity. <i>Chemistry - A European Journal</i> , 2013 , 19, 12196-211	4.8	108
76	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
75	Plasmonic Nanoprobes for Real-Time Optical Monitoring of Nitric Oxide inside Living Cells. <i>Angewandte Chemie</i> , 2013 , 125, 13939-13943	3.6	18
74	Physicochemical properties of protein-coated gold nanoparticles in biological fluids and cells before and after proteolytic digestion. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4179-83	16.4	126
73	Macroscale plasmonic substrates for highly sensitive surface-enhanced Raman scattering. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6459-63	16.4	67
72	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
71	Bulk optical metamaterials assembled by microfluidic evaporation. <i>Optical Materials Express</i> , 2013 , 3, 1792	2.6	20
70	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
69	Physicochemical Properties of Protein-Coated Gold Nanoparticles in Biological Fluids and Cells before and after Proteolytic Digestion. <i>Angewandte Chemie</i> , 2013 , 125, 4273-4277	3.6	4
68	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

67	Macroscale Plasmonic Substrates for Highly Sensitive Surface-Enhanced Raman Scattering. <i>Angewandte Chemie</i> , 2013 , 125, 6587-6591	3.6	12
66	Highly transparent and conductive films of densely aligned ultrathin Au nanowire monolayers. <i>Nano Letters</i> , 2012 , 12, 6066-70	11.5	96
65	SERS assisted ultra-fast peptidic screening: a new tool for drug discovery. <i>Nanoscale</i> , 2012 , 4, 113-6	7.7	25
64	Tuning the Biomineralization Process for Controlling the Nucleation and Oriented Growth of CaP Crystals onto Functionalized Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 3400-3404	3.8	3
63	Highly Active Nanoreactors: Nanomaterial Encapsulation Based on Confined Catalysis. <i>Angewandte Chemie</i> , 2012 , 124, 3943-3948	3.6	7
62	Rücktitelbild: Highly Active Nanoreactors: Nanomaterial Encapsulation Based on Confined Catalysis (Angew. Chem. 16/2012). <i>Angewandte Chemie</i> , 2012 , 124, 4046-4046	3.6	
61	Highly active nanoreactors: nanomaterial encapsulation based on confined catalysis. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3877-82	16.4	95
60	Back Cover: Highly Active Nanoreactors: Nanomaterial Encapsulation Based on Confined Catalysis (Angew. Chem. Int. Ed. 16/2012). <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3976-3976	16.4	1
59	Synthesis of Carbon Nanotube-Inorganic Hybrid Nanocomposites: An Instructional Experiment in Nanomaterials Chemistry. <i>Journal of Chemical Education</i> , 2012 , 89, 280-283	2.4	13
58	Ostwald Ripening of Platinum Nanoparticles Confined in a Carbon Nanotube/Silica-Templated Cylindrical Space. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-6	3.2	11
57	Insulin-coated gold nanoparticles: a plasmonic device for studying metal-protein interactions. <i>Small</i> , 2011 , 7, 2650-60	11	37
56	Synthesis and stabilization of subnanometric gold oxide nanoparticles on multiwalled carbon nanotubes and their catalytic activity. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10251-61	16.4	77
55	Magnetic recoverable catalysts; assessment on CTAB-stabilized gold nanostructures. <i>Journal of Materials Chemistry</i> , 2010 , 20, 326-330		9
54	Radial Inner Morphology Effects on the Mechanical Properties of Amorphous Composite Cobalt Boride Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 13451-13458	3.8	16
53	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
52	Tailoring the magnetic properties of nickel nanoshells through controlled chemical growth. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7360		24
51	Layer-by-layer polymer coating of carbon nanotubes: tuning of electrical conductivity in random networks. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3751-5	16.4	56
50	Elastic properties of hard cobalt boride composite nanoparticles. <i>Acta Materialia</i> , 2010 , 58, 6474-6486	8.4	26

49	Advanced hybrid nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 3684-8	1.3	8
48	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
47	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
46	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
45	Highly Catalytic Single-Crystal Dendritic Pt Nanostructures Supported on Carbon Nanotubes. <i>Chemistry of Materials</i> , 2009 , 21, 1531-1535	9.6	93
44	Label-free SERS detection of relevant bioanalytes on silver-coated carbon nanotubes: The case of cocaine. <i>Nanoscale</i> , 2009 , 1, 153-8	7.7	91
43	Conformal oxide coating of carbon nanotubes. <i>Applied Physics Letters</i> , 2008 , 92, 053109	3.4	34
42	Optical response of Ag-Au bimetallic nanoparticles to electron storage in aqueous medium. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 3003-7	1.3	14
41	Magnificent sea-anemone-like magnetic silica capsules reinforced with carbon nanotubes. <i>Small</i> , 2008 , 4, 583-6	11	14
40	Magnetic Properties of Ni/NiO Nanowires Deposited onto CNT/Pt Nanocomposites. <i>Advanced Functional Materials</i> , 2008 , 18, 616-621	15.6	55
39	Femtosecond dynamics of CdTe quantum dots in water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 196, 51-58	4.7	27
38	Formation of fractal-like structures driven by carbon nanotubes-based collapsed hollow capsules. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 331-4	3.4	17
37	Pt-catalyzed formation of Ni nanoshells on carbon nanotubes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7026-30	16.4	53
36	Increasing the Complexity of Magnetic Core/Shell Structured Nanocomposites for Biological Applications. <i>Advanced Materials</i> , 2007 , 19, 4131-4144	24	247
35	Optical strain detectors based on gold/elastomer nanoparticulated films 2007 , 40, 6-14		26
34	Surface Plasmon Resonance in Gold/Magnetite Nanoparticulated Layers onto Planar Substrates. <i>Sensor Letters</i> , 2007 , 5, 113-117	0.9	3
33	FePt nanocrystals embedded in methylmethacrylate polymers. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 299, 467-471	2.8	6
32	Composite Silica Spheres with Magnetic and Luminescent Functionalities. <i>Advanced Functional Materials</i> , 2006 , 16, 509-514	15.6	346

31	Photoluminescence Quenching Control in Quantum Dot/Carbon Nanotube Composite Colloids Using a Silica-Shell Spacer. <i>Advanced Materials</i> , 2006 , 18, 415-420	24	104
30	Carbon nanotubes as templates for one-dimensional nanoparticle assemblies. <i>Journal of Materials Chemistry</i> , 2006 , 16, 22-25		145
29	Synthesis and characterization of large colloidal cobalt particles. <i>Langmuir</i> , 2006 , 22, 1455-8	4	49
28	Cobalt and silica based core-shell structured nanospheres. <i>Journal of Materials Chemistry</i> , 2006 , 16, 3593-3597		37
27	Bifunctional Gold-Coated Magnetic Silica Spheres. <i>Chemistry of Materials</i> , 2006 , 18, 2701-2706	9.6	145
26	Nanoengineered polymeric thin films by sintering CNT-coated polystyrene spheres. <i>Small</i> , 2006 , 2, 220-411	4.1	34
25	Carbon nanotubes encapsulated in wormlike hollow silica shells. <i>Small</i> , 2006 , 2, 1174-7	11	55
24	One-dimensional assemblies of silica-coated cobalt nanoparticles: Magnetic pearl necklaces. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 303, 163-166	2.8	63
23	Layer-by-Layer Assembly of Multiwall Carbon Nanotubes on Spherical Colloids. <i>Chemistry of Materials</i> , 2005 , 17, 3268-3272	9.6	132
22	Alignment of carbon nanotubes under low magnetic fields through attachment of magnetic nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 19060-3	3.4	293
21	Charging/discharging of Au (core)/silica (shell) nanoparticles as revealed by XPS. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 24182-4	3.4	18
20	XPS characterization of Au (Core)/SiO ₂ (shell) nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 7597-600	3.4	76
19	Aligning Au nanorods by using carbon nanotubes as templates. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4375-8	16.4	216
18	Aligning Au Nanorods by Using Carbon Nanotubes as Templates. <i>Angewandte Chemie</i> , 2005 , 117, 4449-4452	4.52	25
17	Asymmetric Functional Colloids Through Selective Hemisphere Modification. <i>Advanced Materials</i> , 2005 , 17, 2014-2018	24	45
16	Manipulation of chemically synthesized FePt nanoparticles in water: core-shell silica/FePt nanocomposites. <i>Small</i> , 2005 , 1, 1073-6	11	34
15	Dielectric media based on isolated metallic nanostructures. <i>Journal of Applied Physics</i> , 2005 , 98, 034310	2.5	25
14	Linear Assemblies of Silica-Coated Gold Nanoparticles Using Carbon Nanotubes as Templates. <i>Advanced Materials</i> , 2004 , 16, 2179-2184	24	161

13	Silica gels with tailored, gold nanorod-driven optical functionalities. <i>Applied Surface Science</i> , 2004 , 226, 137-143	6.7	68
12	Enhanced Introduction of Gold Nanoparticles into <i>Vital Acidothiobacillus ferrooxidans</i> by Carbon Nanotube-based Microwave Electroporation. <i>Nano Letters</i> , 2004 , 4, 985-988	11.5	101
11	Mechanism of Strong Luminescence Photoactivation of Citrate-Stabilized Water-Soluble Nanoparticles with CdSe Cores. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 15461-15469	3.4	254
10	Fabrication and Biocompatibility of Carbon Nanotube-Based 3D Networks as Scaffolds for Cell Seeding and Growth. <i>Nano Letters</i> , 2004 , 4, 2233-2236	11.5	409
9	Multicolor luminescence patterning by photoactivation of semiconductor nanoparticle films. <i>Journal of the American Chemical Society</i> , 2003 , 125, 2830-1	16.4	178
8	Photodegradation of SiO ₂ -coated CdS nanoparticles within silica gels. <i>Journal of Nanoscience and Nanotechnology</i> , 2001 , 1, 95-9	1.3	17
7	CORE-SHELL NANOPARTICLES AND ASSEMBLIES THEREOF 2001 , 189-237		25
6	Sol-Gel Processing of Silica-Coated Gold Nanoparticles. <i>Langmuir</i> , 2001 , 17, 6375-6379	4	127
5	Layer-By-Layer Assembly of Core-Shell Magnetite Nanoparticles: Effect of Silica Coating on Interparticle Interactions and Magnetic Properties. <i>Advanced Materials</i> , 1999 , 11, 1006-1010	24	184
4	Stabilization of CdS semiconductor nanoparticles against photodegradation by a silica coating procedure. <i>Chemical Physics Letters</i> , 1998 , 286, 497-501	2.5	280
3	Control of Packing Order of Self-Assembled Monolayers of Magnetite Nanoparticles with and without SiO ₂ Coating by Microwave Irradiation. <i>Langmuir</i> , 1998 , 14, 6430-6435	4	155
2	Challenges and Opportunities for Renewable Ammonia Production via Plasmon-Assisted Photocatalysis. <i>Advanced Energy Materials</i> , 2103909	21.8	1
1	Plasmonic Nanocrystals with Complex Shapes for Photocatalysis and Growth: Contrasting Anisotropic Hot-Electron Generation with the Photothermal Effect. <i>Advanced Optical Materials</i> , 2102663	8.1	1