

Naomi J Halas

List of Publications by Year in descending order

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412
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94,892
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419
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419
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419
times ranked

56260
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoshell-mediated near-infrared thermal therapy of tumors under magnetic resonance guidance. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13549-13554.	3.3	3,629
2	A Hybridization Model for the Plasmon Response of Complex Nanostructures. Science, 2003, 302, 419-422.	6.0	3,531
3	The Fano resonance in plasmonic nanostructures and metamaterials. Nature Materials, 2010, 9, 707-715.	13.3	3,352
4	Plasmons in Strongly Coupled Metallic Nanostructures. Chemical Reviews, 2011, 111, 3913-3961.	23.0	2,663
5	Plasmon-induced hot carrier science and technology. Nature Nanotechnology, 2015, 10, 25-34.	15.6	2,564
6	Nanoengineering of optical resonances. Chemical Physics Letters, 1998, 288, 243-247.	1.2	2,114
7	Nano-optics from sensing to waveguiding. Nature Photonics, 2007, 1, 641-648.	15.6	1,919
8	Photodetection with Active Optical Antennas. Science, 2011, 332, 702-704.	6.0	1,760
9	Photo-thermal tumor ablation in mice using near infrared-absorbing nanoparticles. Cancer Letters, 2004, 209, 171-176.	3.2	1,728
10	Immunotargeted Nanoshells for Integrated Cancer Imaging and Therapy. Nano Letters, 2005, 5, 709-711.	4.5	1,721
11	Nanoshell-Enabled Photothermal Cancer Therapy: Impending Clinical Impact. Accounts of Chemical Research, 2008, 41, 1842-1851.	7.6	1,460
12	Self-Assembled Plasmonic Nanoparticle Clusters. Science, 2010, 328, 1135-1138.	6.0	1,362
13	Hot Electrons Do the Impossible: Plasmon-Induced Dissociation of H ₂ on Au. Nano Letters, 2013, 13, 240-247.	4.5	1,332
14	Near-Infrared Resonant Nanoshells for Combined Optical Imaging and Photothermal Cancer Therapy. Nano Letters, 2007, 7, 1929-1934.	4.5	1,272
15	Surface-Enhanced Raman Scattering from Individual Au Nanoparticles and Nanoparticle Dimer Substrates. Nano Letters, 2005, 5, 1569-1574.	4.5	1,070
16	Solar Vapor Generation Enabled by Nanoparticles. ACS Nano, 2013, 7, 42-49.	7.3	1,053
17	Nanoshell-Enabled Photonics-Based Imaging and Therapy of Cancer. Technology in Cancer Research and Treatment, 2004, 3, 33-40.	0.8	1,036
18	Aluminum for Plasmonics. ACS Nano, 2014, 8, 834-840.	7.3	1,018

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19	Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381.	7.3	976
20	Symmetry Breaking in Plasmonic Nanocavities: Subradiant LSPR Sensing and a Tunable Fano Resonance. Nano Letters, 2008, 8, 3983-3988.	4.5	954
21	Plasmonic Enhancement of Molecular Fluorescence. Nano Letters, 2007, 7, 496-501.	4.5	892
22	Engineered Nanomaterials for Biophotonics Applications: Improving Sensing, Imaging, and Therapeutics. Annual Review of Biomedical Engineering, 2003, 5, 285-292.	5.7	838
23	Shape-Controlled Synthesis and Surface Plasmonic Properties of Metallic Nanostructures. MRS Bulletin, 2005, 30, 338-348.	1.7	829
24	Theranostic Nanoshells: From Probe Design to Imaging and Treatment of Cancer. Accounts of Chemical Research, 2011, 44, 936-946.	7.6	827
25	Quantifying hot carrier and thermal contributions in plasmonic photocatalysis. Science, 2018, 362, 69-72.	6.0	756
26	Nanorice: A Hybrid Plasmonic Nanostructure. Nano Letters, 2006, 6, 827-832.	4.5	742
27	Metallic Nanoparticle Arrays: A Common Substrate for Both Surface-Enhanced Raman Scattering and Surface-Enhanced Infrared Absorption. ACS Nano, 2008, 2, 707-718.	7.3	730
28	A Whole Blood Immunoassay Using Gold Nanoshells. Analytical Chemistry, 2003, 75, 2377-2381.	3.2	664
29	Substrate-Induced Fano Resonances of a Plasmonic Nanocube: A Route to Increased-Sensitivity Localized Surface Plasmon Resonance Sensors Revealed. Nano Letters, 2011, 11, 1657-1663.	4.5	649
30	Plasmon Resonance Shifts of Au-Coated Au ₂ S Nanoshells: Insight into Multicomponent Nanoparticle Growth. Physical Review Letters, 1997, 78, 4217-4220.	2.9	648
31	Temperature-sensitive polymer-nanoshell composites for photothermally modulated drug delivery. Journal of Biomedical Materials Research Part B, 2000, 51, 293-298.	3.0	643
32	Plasmonic Nanostructures: Artificial Molecules. Accounts of Chemical Research, 2007, 40, 53-62.	7.6	635
33	Emerging opportunities for nanotechnology to enhance water security. Nature Nanotechnology, 2018, 13, 634-641.	15.6	627
34	Gated Tunability and Hybridization of Localized Plasmons in Nanostructured Graphene. ACS Nano, 2013, 7, 2388-2395.	7.3	622
35	Plasmonic colour generation. Nature Reviews Materials, 2017, 2, .	23.3	620
36	Graphene-Antenna Sandwich Photodetector. Nano Letters, 2012, 12, 3808-3813.	4.5	615

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37	Nanosphere Arrays with Controlled Sub-10-nm Gaps as Surface-Enhanced Raman Spectroscopy Substrates. <i>Journal of the American Chemical Society</i> , 2005, 127, 14992-14993.	6.6	610
38	Fano Resonances in Plasmonic Nanoclusters: Geometrical and Chemical Tunability. <i>Nano Letters</i> , 2010, 10, 3184-3189.	4.5	601
39	Formation and Adsorption of Clusters of Gold Nanoparticles onto Functionalized Silica Nanoparticle Surfaces. <i>Langmuir</i> , 1998, 14, 5396-5401.	1.6	600
40	Gold nanoshell-localized photothermal ablation of prostate tumors in a clinical pilot device study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18590-18596.	3.3	588
41	Active Tunable Absorption Enhancement with Graphene Nanodisk Arrays. <i>Nano Letters</i> , 2014, 14, 299-304.	4.5	565
42	Linear optical properties of gold nanoshells. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999, 16, 1824.	0.9	563
43	Surface-enhanced Raman scattering on tunable plasmonic nanoparticle substrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17930-17935.	3.3	561
44	Narrowband photodetection in the near-infrared with a plasmon-induced hot electron device. <i>Nature Communications</i> , 2013, 4, 1643.	5.8	552
45	Fluorescence Enhancement by Au Nanostructures: Nanoshells and Nanorods. <i>ACS Nano</i> , 2009, 3, 744-752.	7.3	547
46	A Cellular Trojan Horse for Delivery of Therapeutic Nanoparticles into Tumors. <i>Nano Letters</i> , 2007, 7, 3759-3765.	4.5	531
47	Plexcitonic Nanoparticles: Plasmon-Exciton Coupling in Nanoshell-J-Aggregate Complexes. <i>Nano Letters</i> , 2008, 8, 3481-3487.	4.5	523
48	Tailoring plasmonic substrates for surface enhanced spectroscopies. <i>Chemical Society Reviews</i> , 2008, 37, 898.	18.7	522
49	Infrared extinction properties of gold nanoshells. <i>Applied Physics Letters</i> , 1999, 75, 2897-2899.	1.5	517
50	Plasmonic Hot Electron Induced Structural Phase Transition in a MoS ₂ Monolayer. <i>Advanced Materials</i> , 2014, 26, 6467-6471.	11.1	516
51	Aluminum Plasmonic Nanoantennas. <i>Nano Letters</i> , 2012, 12, 6000-6004.	4.5	497
52	Metal Nanoshells. <i>Annals of Biomedical Engineering</i> , 2006, 34, 15-22.	1.3	487
53	Silver Nanoshells: Variations in Morphologies and Optical Properties. <i>Journal of Physical Chemistry B</i> , 2001, 105, 2743-2746.	1.2	475
54	Surface-Enhanced Raman Spectroscopy of DNA. <i>Journal of the American Chemical Society</i> , 2008, 130, 5523-5529.	6.6	468

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55	Light-driven methane dry reforming with single atomic site antenna-reactor plasmonic photocatalysts. <i>Nature Energy</i> , 2020, 5, 61-70.	19.8	466
56	Close Encounters between Two Nanoshells. <i>Nano Letters</i> , 2008, 8, 1212-1218.	4.5	462
57	Hot-Electron-Induced Dissociation of H ₂ on Gold Nanoparticles Supported on SiO ₂ . <i>Journal of the American Chemical Society</i> , 2014, 136, 64-67.	6.6	458
58	Near-Field Mediated Plexcitonic Coupling and Giant Rabi Splitting in Individual Metallic Dimers. <i>Nano Letters</i> , 2013, 13, 3281-3286.	4.5	445
59	Plasmonic Nanoclusters: Near Field Properties of the Fano Resonance Interrogated with SERS. <i>Nano Letters</i> , 2012, 12, 1660-1667.	4.5	442
60	Heterodimers: Plasmonic Properties of Mismatched Nanoparticle Pairs. <i>ACS Nano</i> , 2010, 4, 819-832.	7.3	422
61	Compact solar autoclave based on steam generation using broadband light-harvesting nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11677-11681.	3.3	421
62	Preparation and Characterization of Gold Nanoshells Coated with Self-Assembled Monolayers. <i>Langmuir</i> , 2002, 18, 4915-4920.	1.6	419
63	Substrates Matter: Influence of an Adjacent Dielectric on an Individual Plasmonic Nanoparticle. <i>Nano Letters</i> , 2009, 9, 2188-2192.	4.5	414
64	Controlling the surface enhanced Raman effect via the nanoshell geometry. <i>Applied Physics Letters</i> , 2003, 82, 257-259.	1.5	407
65	Evolution of Light-Induced Vapor Generation at a Liquid-Immersed Metallic Nanoparticle. <i>Nano Letters</i> , 2013, 13, 1736-1742.	4.5	394
66	Heterometallic antenna ⁺ reactor complexes for photocatalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8916-8920.	3.3	381
67	Nanoparticles Heat through Light Localization. <i>Nano Letters</i> , 2014, 14, 4640-4645.	4.5	379
68	Surface enhanced Raman scattering in the near infrared using metal nanoshell substrates. <i>Journal of Chemical Physics</i> , 1999, 111, 4729-4735.	1.2	363
69	Plasmon-Induced Doping of Graphene. <i>ACS Nano</i> , 2012, 6, 10222-10228.	7.3	356
70	Gold Nanoparticles Can Induce the Formation of Protein-based Aggregates at Physiological pH. <i>Nano Letters</i> , 2009, 9, 666-671.	4.5	352
71	Nanophotonics-enabled solar membrane distillation for off-grid water purification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6936-6941.	3.3	348
72	Fano-like Interference in Self-Assembled Plasmonic Quadrumer Clusters. <i>Nano Letters</i> , 2010, 10, 4680-4685.	4.5	343

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73	A Plasmonic Fano Switch. <i>Nano Letters</i> , 2012, 12, 4977-4982.	4.5	342
74	All-Optical Nanoscale pH Meter. <i>Nano Letters</i> , 2006, 6, 1687-1692.	4.5	337
75	Magnetic-Plasmonic Core-Shell Nanoparticles. <i>ACS Nano</i> , 2009, 3, 1379-1388.	7.3	337
76	Light-Induced Release of DNA from Gold Nanoparticles: Nanoshells and Nanorods. <i>Journal of the American Chemical Society</i> , 2011, 133, 12247-12255.	6.6	334
77	Au Nanomatryoshkas as Efficient Near-Infrared Photothermal Transducers for Cancer Treatment: Benchmarking against Nanoshells. <i>ACS Nano</i> , 2014, 8, 6372-6381.	7.3	334
78	Applications of nanotechnology to biotechnology. <i>Current Opinion in Biotechnology</i> , 2000, 11, 215-217.	3.3	328
79	Photothermal Efficiencies of Nanoshells and Nanorods for Clinical Therapeutic Applications. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12090-12094.	1.5	325
80	Distinguishing between plasmon-induced and photoexcited carriers in a device geometry. <i>Nature Communications</i> , 2015, 6, 7797.	5.8	311
81	Gold nanoshell bioconjugates for molecular imaging in living cells. <i>Optics Letters</i> , 2005, 30, 1012.	1.7	308
82	Plasmon-induced selective carbon dioxide conversion on earth-abundant aluminum-cuprous oxide antenna-reactor nanoparticles. <i>Nature Communications</i> , 2017, 8, 27.	5.8	308
83	Independent Optical Control of Microfluidic Valves Formed from Optomechanically Responsive Nanocomposite Hydrogels. <i>Advanced Materials</i> , 2005, 17, 1366-1368.	11.1	297
84	Electromigrated Nanoscale Gaps for Surface-Enhanced Raman Spectroscopy. <i>Nano Letters</i> , 2007, 7, 1396-1400.	4.5	295
85	Aluminum Nanocrystals as a Plasmonic Photocatalyst for Hydrogen Dissociation. <i>Nano Letters</i> , 2016, 16, 1478-1484.	4.5	294
86	Fanoshells: Nanoparticles with Built-in Fano Resonances. <i>Nano Letters</i> , 2010, 10, 2694-2701.	4.5	288
87	Embedding Plasmonic Nanostructure Diodes Enhances Hot Electron Emission. <i>Nano Letters</i> , 2013, 13, 1687-1692.	4.5	283
88	Dark-Pulse Propagation in Optical Fibers. <i>Physical Review Letters</i> , 1988, 60, 29-32.	2.9	274
89	Three-Dimensional Nanostructures as Highly Efficient Generators of Second Harmonic Light. <i>Nano Letters</i> , 2011, 11, 5519-5523.	4.5	273
90	Plasmonics: An Emerging Field Fostered by <i>Nano Letters</i> . <i>Nano Letters</i> , 2010, 10, 3816-3822.	4.5	272

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91	Symmetry breaking in individual plasmonic nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10856-10860.	3.3	270
92	Simultaneous Measurements of Electronic Conduction and Raman Response in Molecular Junctions. Nano Letters, 2008, 8, 919-924.	4.5	270
93	Scattering Spectra of Single Gold Nanoshells. Nano Letters, 2004, 4, 2355-2359.	4.5	269
94	Vivid, full-color aluminum plasmonic pixels. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14348-14353.	3.3	269
95	Quantum Dot-Based Local Field Imaging Reveals Plasmon-Based Interferometric Logic in Silver Nanowire Networks. Nano Letters, 2011, 11, 471-475.	4.5	267
96	Playing with Plasmons: Tuning the Optical Resonant Properties of Metallic Nanoshells. MRS Bulletin, 2005, 30, 362-367.	1.7	266
97	Branched Silver Nanowires as Controllable Plasmon Routers. Nano Letters, 2010, 10, 1950-1954.	4.5	264
98	Plexciton Dynamics: Exciton-Plasmon Coupling in a J-Aggregate Au Nanoshell Complex Provides a Mechanism for Nonlinearity. Nano Letters, 2011, 11, 1556-1560.	4.5	260
99	An Atomically Layered InSe Avalanche Photodetector. Nano Letters, 2015, 15, 3048-3055.	4.5	253
100	Coherent anti-Stokes Raman scattering with single-molecule sensitivity using a plasmonic Fano resonance. Nature Communications, 2014, 5, 4424.	5.8	252
101	Electronic Structure and Optical Properties of Gold Nanoshells. Nano Letters, 2003, 3, 1411-1415.	4.5	248
102	Immunonanoshells for targeted photothermal ablation of tumor cells. International Journal of Nanomedicine, 2006, 1, 149-154.	3.3	246
103	Gene Silencing by Gold Nanoshell-Mediated Delivery and Laser-Triggered Release of Antisense Oligonucleotide and siRNA. ACS Nano, 2012, 6, 7681-7691.	7.3	242
104	Label-Free Detection of DNA Hybridization Using Surface Enhanced Raman Spectroscopy. Journal of the American Chemical Society, 2010, 132, 12792-12793.	6.6	240
105	Two-Dimensional Active Tuning of an Aluminum Plasmonic Array for Full-Spectrum Response. Nano Letters, 2017, 17, 6034-6039.	4.5	235
106	Geometrical Parameters Controlling Sensitivity of Nanoshell Plasmon Resonances to Changes in Dielectric Environment. Journal of Physical Chemistry B, 2004, 108, 17290-17294.	1.2	234
107	Nanoshells Made Easy: Improving Au Layer Growth on Nanoparticle Surfaces. Langmuir, 2008, 24, 14166-14171.	1.6	227
108	Fan-Shaped Gold Nanoantennas above Reflective Substrates for Surface-Enhanced Infrared Absorption (SEIRA). Nano Letters, 2015, 15, 1272-1280.	4.5	227

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109	Chiral Surface Plasmon Polaritons on Metallic Nanowires. <i>Physical Review Letters</i> , 2011, 107, 096801.	2.9	225
110	Optical Spectroscopy of Conductive Junctions in Plasmonic Cavities. <i>Nano Letters</i> , 2010, 10, 3090-3095.	4.5	221
111	Generation of subpicosecond electrical pulses on coplanar transmission lines. <i>Applied Physics Letters</i> , 1986, 48, 751-753.	1.5	214
112	Nanosphere-in-a-Nanoshell: A Simple Nanomatryushka. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7378-7383.	1.5	214
113	Light scattering from dipole and quadrupole nanoshell antennas. <i>Applied Physics Letters</i> , 1999, 75, 1063-1065.	1.5	213
114	Insight into the mechanism of sidewall functionalization of single-walled nanotubes: an STM study. <i>Chemical Physics Letters</i> , 1999, 313, 445-450.	1.2	212
115	Surface-Enhanced Infrared Absorption Using Individual Cross Antennas Tailored to Chemical Moieties. <i>Journal of the American Chemical Society</i> , 2013, 135, 3688-3695.	6.6	212
116	Nanoparticle-Mediated Coupling of Light into a Nanowire. <i>Nano Letters</i> , 2007, 7, 2346-2350.	4.5	210
117	Surface enhanced infrared absorption (SEIRA) spectroscopy on nanoshell aggregate substrates. <i>Chemical Physics Letters</i> , 2008, 452, 115-119.	1.2	210
118	Fano Resonant Aluminum Nanoclusters for Plasmonic Colorimetric Sensing. <i>ACS Nano</i> , 2015, 9, 10628-10636.	7.3	209
119	Nanoshells with Targeted Simultaneous Enhancement of Magnetic and Optical Imaging and Photothermal Therapeutic Response. <i>Advanced Functional Materials</i> , 2009, 19, 3901-3909.	7.8	208
120	Enhancing the photocurrent and photoluminescence of single crystal monolayer MoS ₂ with resonant plasmonic nanoshells. <i>Applied Physics Letters</i> , 2014, 104, 031112.	1.5	208
121	Designing and Deconstructing the Fano Lineshape in Plasmonic Nanoclusters. <i>Nano Letters</i> , 2012, 12, 1058-1062.	4.5	205
122	Mesoscopic Au "Meatball" Particles. <i>Advanced Materials</i> , 2008, 20, 820-825.	11.1	204
123	Balancing Near-Field Enhancement, Absorption, and Scattering for Effective Antenna "Reactor" Plasmonic Photocatalysis. <i>Nano Letters</i> , 2017, 17, 3710-3717.	4.5	202
124	Relative contributions to the plasmon line shape of metal nanoshells. <i>Physical Review B</i> , 2002, 66, .	1.1	201
125	Plasmonic Properties of Concentric Nanoshells. <i>Nano Letters</i> , 2004, 4, 1323-1327.	4.5	199
126	Gold and Silver Nanoparticles Functionalized by the Adsorption of Dialkyl Disulfides. <i>Langmuir</i> , 1998, 14, 7378-7386.	1.6	197

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127	Al ⁺ Pd Nanodisk Heterodimers as Antenna ⁺ Reactor Photocatalysts. <i>Nano Letters</i> , 2016, 16, 6677-6682.	4.5	196
128	Cu Nanoshells: ⁺ Effects of Interband Transitions on the Nanoparticle Plasmon Resonance. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18218-18222.	1.2	194
129	Influence of dielectric function properties on the optical response of plasmon resonant metallic nanoparticles. <i>Chemical Physics Letters</i> , 2004, 399, 167-171.	1.2	190
130	Removing a Wedge from a Metallic Nanodisk Reveals a Fano Resonance. <i>Nano Letters</i> , 2011, 11, 4475-4479.	4.5	190
131	Coherent Fano resonances in a plasmonic nanocluster enhance optical four-wave mixing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9215-9219.	3.3	190
132	Fluorescence Enhancement of Molecules Inside a Gold Nanomatryoshka. <i>Nano Letters</i> , 2014, 14, 2926-2933.	4.5	188
133	Nanogapped Au Antennas for Ultrasensitive Surface-Enhanced Infrared Absorption Spectroscopy. <i>Nano Letters</i> , 2017, 17, 5768-5774.	4.5	187
134	Observing Metal-Catalyzed Chemical Reactions in Situ Using Surface-Enhanced Raman Spectroscopy on Pd ⁺ Au Nanoshells. <i>Journal of the American Chemical Society</i> , 2008, 130, 16592-16600.	6.6	185
135	Nanoshells to nanoeggs to nanocups: optical properties of reduced symmetry core ⁺ shell nanoparticles beyond the quasistatic limit. <i>New Journal of Physics</i> , 2008, 10, 105006.	1.2	182
136	Optimized plasmonic nanoparticle distributions for solar spectrum harvesting. <i>Applied Physics Letters</i> , 2006, 89, 153120.	1.5	179
137	Color ⁺ Selective and CMOS ⁺ Compatible Photodetection Based on Aluminum Plasmonics. <i>Advanced Materials</i> , 2014, 26, 6318-6323.	11.1	178
138	Plasmonic Nanoshell Arrays Combine Surface ⁺ Enhanced Vibrational Spectroscopies on a Single Substrate. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9040-9044.	7.2	176
139	Aluminum Nanocrystals: A Sustainable Substrate for Quantitative SERS-Based DNA Detection. <i>Nano Letters</i> , 2017, 17, 5071-5077.	4.5	173
140	Aluminum Nanocrystals. <i>Nano Letters</i> , 2015, 15, 2751-2755.	4.5	169
141	Three-Dimensional Plasmonic Nanoclusters. <i>Nano Letters</i> , 2013, 13, 4399-4403.	4.5	168
142	Reduced Symmetry Metallodielectric Nanoparticles: ⁺ Chemical Synthesis and Plasmonic Properties ⁺ . <i>Journal of Physical Chemistry B</i> , 2003, 107, 7327-7333.	1.2	167
143	Nanoscale Control of Near ⁺ Infrared Fluorescence Enhancement Using Au Nanoshells. <i>Small</i> , 2008, 4, 1716-1722.	5.2	166
144	Controlled Texturing Modifies the Surface Topography and Plasmonic Properties of Au Nanoshells. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11083-11087.	1.2	163

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145	Optoelectronic Memory Using Two-Dimensional Materials. <i>Nano Letters</i> , 2015, 15, 259-265.	4.5	163
146	Near infrared laser-tissue welding using nanoshells as an exogenous absorber. <i>Lasers in Surgery and Medicine</i> , 2005, 37, 123-129.	1.1	159
147	Tracking of Multimodal Therapeutic Nanocomplexes Targeting Breast Cancer in Vivo. <i>Nano Letters</i> , 2010, 10, 4920-4928.	4.5	157
148	Construction of simple gold nanoparticle aggregates with controlled plasmon-plasmon interactions. <i>Chemical Physics Letters</i> , 1999, 300, 651-655.	1.2	154
149	High Chromaticity Aluminum Plasmonic Pixels for Active Liquid Crystal Displays. <i>ACS Nano</i> , 2016, 10, 1108-1117.	7.3	153
150	Plasmons in the Metallic Nanoparticle-Film System as a Tunable Impurity Problem. <i>Nano Letters</i> , 2005, 5, 2009-2013.	4.5	149
151	Pronounced Linewidth Narrowing of an Aluminum Nanoparticle Plasmon Resonance by Interaction with an Aluminum Metallic Film. <i>Nano Letters</i> , 2015, 15, 6946-6951.	4.5	149
152	Light-Bending Nanoparticles. <i>Nano Letters</i> , 2009, 9, 1255-1259.	4.5	148
153	The Surprising <i>in Vivo</i> Instability of Near-IR-Absorbing Hollow Au-Ag Nanoshells. <i>ACS Nano</i> , 2014, 8, 3222-3231.	7.3	148
154	From tunable core-shell nanoparticles to plasmonic drawbridges: Active control of nanoparticle optical properties. <i>Science Advances</i> , 2015, 1, e1500988.	4.7	146
155	Applications of nanoparticles to diagnostics and therapeutics in colorectal cancer. <i>Trends in Biotechnology</i> , 2007, 25, 145-152.	4.9	140
156	Metallic Nanoshells with Semiconductor Cores: Optical Characteristics Modified by Core Medium Properties. <i>ACS Nano</i> , 2010, 4, 6169-6179.	7.3	139
157	Hot Hole Photoelectrochemistry on Au@SiO ₂ @Au Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2060-2067.	2.1	137
158	Light-induced release of DNA from plasmon-resonant nanoparticles: Towards light-controlled gene therapy. <i>Chemical Physics Letters</i> , 2009, 482, 171-179.	1.2	134
159	Optical Properties of a Nanosized Hole in a Thin Metallic Film. <i>ACS Nano</i> , 2008, 2, 25-32.	7.3	133
160	Noble Metal Nanowires: From Plasmon Waveguides to Passive and Active Devices. <i>Accounts of Chemical Research</i> , 2012, 45, 1887-1895.	7.6	133
161	Delivery of nanoparticles to brain metastases of breast cancer using a cellular Trojan horse. <i>Cancer Nanotechnology</i> , 2012, 3, 47-54.	1.9	132
162	Visualizing Light-Triggered Release of Molecules Inside Living Cells. <i>Nano Letters</i> , 2010, 10, 4117-4122.	4.5	131

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163	Response to Comment on "Quantifying hot carrier and thermal contributions in plasmonic photocatalysis" Science, 2019, 364, .	6.0	131
164	Aromatic Amino Acids Providing Characteristic Motifs in the Raman and SERS Spectroscopy of Peptides. Journal of Physical Chemistry B, 2008, 112, 9158-9164.	1.2	130
165	Profiling the Near Field of a Plasmonic Nanoparticle with Raman-Based Molecular Rulers. Nano Letters, 2006, 6, 2338-2343.	4.5	128
166	Nanoparticle-Induced Enhancement and Suppression of Photocurrent in a Silicon Photodiode. Nano Letters, 2008, 8, 624-630.	4.5	122
167	Effects of dielectric screening on the optical properties of metallic nanoshells. Chemical Physics Letters, 2003, 368, 94-101.	1.2	121
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