Naomi J Halas

List of Publications by Year
in descending order

412 papers	94,892 citations	197 149 h-index	245 303 g-index
419 all docs	419 docs citations	419 times ranked	56260 citing authors

#	Article	IF	Citations
1	Reply to: Distinguishing thermal from non-thermal contributions to plasmonic hydrodefluorination. Nature Catalysis, 2022, 5, 247-250.	34.4	7
2	Al@TiO₂ Coreâ€"Shell Nanoparticles for Plasmonic Photocatalysis. ACS Nano, 2022, 16, 5839-5850.	14.6	48
3	Vacuum ultraviolet nonlinear metalens. Science Advances, 2022, 8, eabn5644.	10.3	57
4	Towards scalable plasmonic Fano-resonant metasurfaces for colorimetric sensing. Nanotechnology, 2022, 33, 405201.	2.6	25
5	A Dual Catalyst Strategy for Controlling Aluminum Nanocrystal Growth. Nano Letters, 2022, 22, 5570-5574.	9.1	4
6	Gd ₂ O ₃ -mesoporous silica/gold nanoshells: A potential dual <i>T</i> ₁ / <i>T</i> ₂ contrast agent for MRI-guided localized near-IR photothermal therapy. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	14
7	UV-Resonant Al Nanocrystals: Synthesis, Silica Coating, and Broadband Photothermal Response. Nano Letters, 2021, 21, 536-542.	9.1	25
8	Mark Stockman: Evangelist for Plasmonics. ACS Photonics, 2021, 8, 683-698.	6.6	2
9	A 3D Plasmonic Antenna-Reactor for Nanoscale Thermal Hotspots and Gradients. ACS Nano, 2021, 15, 8761-8769.	14.6	28
10	Hot carrier multiplication in plasmonic photocatalysis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	43
11	Utilizing the broad electromagnetic spectrum and unique nanoscale properties for chemical-free water treatment. Current Opinion in Chemical Engineering, 2021, 33, 100709.	7.8	3
12	Light-driven methane dry reforming with single atomic site antenna-reactor plasmonic photocatalysts. Nature Energy, 2020, 5, 61-70.	39.5	466
13	Aluminum Nanocrystals Grow into Distinct Branched Aluminum Nanowire Morphologies. Nano Letters, 2020, 20, 6644-6650.	9.1	10
14	Morphology-Dependent Reactivity of a Plasmonic Photocatalyst. ACS Nano, 2020, 14, 12054-12063.	14.6	69
15	Shining Light on Aluminum Nanoparticle Synthesis. Accounts of Chemical Research, 2020, 53, 2020-2030.	15.6	34
16	Effects of Electronic Structure on Molecular Plasmon Dynamics. Journal of Physical Chemistry C, 2020, 124, 20450-20457.	3.1	8
17	Site-Selective Nanoreactor Deposition on Photocatalytic Al Nanocubes. Nano Letters, 2020, 20, 4550-4557.	9.1	34
18	Plasmon-enabled degradation of organic micropollutants in water by visible-light illumination of Janus gold nanorods. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15473-15481.	7.1	49

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19	Plasmon-driven carbonâ€“fluorine (C(sp3)â€“F) bond activation with mechanistic insights into hot-carrier-mediated pathways. Nature Catalysis, 2020, 3, 564-573.	34.4	81
20	Resonant energy transfer enhances solar thermal desalination. Energy and Environmental Science, 2020, 13, 968-976.	30.8	33
21	Monolithic Metal Dimer-on-Film Structure: New Plasmonic Properties Introduced by the Underlying Metal. Nano Letters, 2020, 20, 2087-2093.	9.1	102
22	Duplicating Plasmonic Hotspots by Matched Nanoantenna Pairs for Remote Nanogap Enhanced Spectroscopy. Nano Letters, 2020, 20, 3499-3505.	9.1	27
23	Acoustic Vibrations of Al Nanocrystals: Size, Shape, and Crystallinity Revealed by Single-Particle Transient Extinction Spectroscopy. Journal of Physical Chemistry A, 2020, 124, 3924-3934.	2.5	21
24	Design and fabrication of the vacuum ultraviolet nonlinear metasurfaces. , 2020, , .		0
25	Aluminum Nanocubes Have Sharp Corners. ACS Nano, 2019, 13, 9682-9691.	14.6	63
26	Plasmonics sheds light on the nanotechnology of daguerreotypes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13724-13726.	7.1	1
27	Generating Third Harmonic Vacuum Ultraviolet Light with a TiO₂ Metasurface. Nano Letters, 2019, 19, 8972-8978.	9.1	69
28	Nano as a Rosetta Stone: The Global Roles and Opportunities for Nanoscience and Nanotechnology. ACS Nano, 2019, 13, 10853-10855.	14.6	16
29	Gold nanoshell-localized photothermal ablation of prostate tumors in a clinical pilot device study. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18590-18596.	7.1	588
30	Impact of chemical interface damping on surface plasmon dephasing. Faraday Discussions, 2019, 214, 59-72.	3.2	53
31	Spiers Memorial Lecture : Introductory lecture: Hot-electron science and microscopic processes in plasmonics and catalysis. Faraday Discussions, 2019, 214, 13-33.	3.2	27
32	Efficient Second Harmonic Generation in a Hybrid Plasmonic Waveguide by Mode Interactions. Nano Letters, 2019, 19, 3838-3845.	9.1	47
33	Quantitative analysis of gas phase molecular constituents using frequency-modulated rotational spectroscopy. Review of Scientific Instruments, 2019, 90, 053110.	1.3	9
34	Photocatalytic Hydrogenation of Graphene Using Pd Nanocones. Nano Letters, 2019, 19, 4413-4419.	9.1	32
35	Solar thermal desalination as a nonlinear optical process. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13182-13187.	7.1	74
36	Plasmonic Photocatalysis of Nitrous Oxide into N₂ and O₂ Using Aluminumâ€“Iridium Antennaâ€“Reactor Nanoparticles. ACS Nano, 2019, 13, 8076-8086.	14.6	83

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37	Light-Driven Chemical Looping for Ammonia Synthesis. ACS Energy Letters, 2019, 4, 1505-1512.	17.4	67
38	Theory of hot electrons: general discussion. Faraday Discussions, 2019, 214, 245-281.	3.2	34
39	Dynamics of hot electron generation in metallic nanostructures: general discussion. Faraday Discussions, 2019, 214, 123-146.	3.2	21
40	New materials for hot electron generation: general discussion. Faraday Discussions, 2019, 214, 365-386.	3.2	9
41	Response to Comment on â€œQuantifying hot carrier and thermal contributions in plasmonic photocatalysisâ€. Science, 2019, 364, .	12.6	131
42	Ultrafast Electron Dynamics in Single Aluminum Nanostructures. Nano Letters, 2019, 19, 3091-3097.	9.1	39
43	Metal-organic frameworks tailor the properties of aluminum nanocrystals. Science Advances, 2019, 5, eaav5340.	10.3	74
44	Polydopamine-Stabilized Aluminum Nanocrystals: Aqueous Stability and Benzo[a]pyrene Detection. ACS Nano, 2019, 13, 3117-3124.	14.6	71
45	Chemical Nanoplasmonics: Emerging Interdisciplinary Research Field at Crossroads between Nanoscale Chemistry and Plasmonics. Accounts of Chemical Research, 2019, 52, 2995-2996.	15.6	14
46	Toward a Nanophotonic Nose: A Compressive Sensing-Enhanced, Optoelectronic Mid-Infrared Spectrometer. ACS Photonics, 2019, 6, 79-86.	6.6	25
47	Toroidal Dipole-Enhanced Third Harmonic Generation of Deep Ultraviolet Light Using Plasmonic Meta-atoms. Nano Letters, 2019, 19, 605-611.	9.1	94
48	Ligand-Dependent Colloidal Stability Controls the Growth of Aluminum Nanocrystals. Journal of the American Chemical Society, 2019, 141, 1716-1724.	13.7	45
49	Plasmonic nanoparticle-based epoxy photocuring: A deeper look. Materials Today, 2019, 27, 14-20.	14.2	11
50	Nonlinear Generation of Vacuum Ultraviolet Light with an All-Dielectric Metasurface. , 2019, , .		0
51	Absorption-enhanced imaging through scattering media using carbon black nano-particles: from visible to near infrared wavelengths. Journal of Optics (United Kingdom), 2018, 20, 054001.	2.2	9
52	Wavelength-Dependent Optical Force Imaging of Bimetallic Alâ€“Au Heterodimers. Nano Letters, 2018, 18, 2040-2046.	9.1	44
53	Aluminum Nanorods. Nano Letters, 2018, 18, 1234-1240.	9.1	69
54	Polycrystallinity of Lithographically Fabricated Plasmonic Nanostructures Dominates Their Acoustic Vibrational Damping. Nano Letters, 2018, 18, 3494-3501.	9.1	35

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55	Work Function-Driven Hot Electron Extraction in a Bimetallic Plasmonic MIM Device. ACS Photonics, 2018, 5, 1202-1207.	6.6	9
56	Quantifying hot carrier and thermal contributions in plasmonic photocatalysis. Science, 2018, 362, 69-72.	12.6	756
57	Polymer-Directed Growth of Plasmonic Aluminum Nanocrystals. Journal of the American Chemical Society, 2018, 140, 15412-15418.	13.7	55
58	Optical-Force-Dominated Directional Reshaping of Au Nanodisks in Alâ€“Au Heterodimers. Nano Letters, 2018, 18, 6509-6514.	9.1	13
59	A room-temperature mid-infrared photodetector for on-chip molecular vibrational spectroscopy. Applied Physics Letters, 2018, 113, .	3.3	16
60	Lifetime dynamics of plasmons in the few-atom limit. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9134-9139.	7.1	30
61	Monitoring Chemical Reactions with Terahertz Rotational Spectroscopy. ACS Photonics, 2018, 5, 3097-3106.	6.6	19
62	Emerging opportunities for nanotechnology to enhance water security. Nature Nanotechnology, 2018, 13, 634-641.	31.5	627
63	Vacuum Ultraviolet Light-Generating Metasurface. Nano Letters, 2018, 18, 5738-5743.	9.1	82
64	Combining Plasmonic Hot Carrier Generation with Free Carrier Absorption for High-Performance Near-Infrared Silicon-Based Photodetection. ACS Photonics, 2018, 5, 3472-3477.	6.6	91
65	Routes to Potentially Safer <i>T</i>₁ Magnetic Resonance Imaging Contrast in a Compact Plasmonic Nanoparticle with Enhanced Fluorescence. ACS Nano, 2018, 12, 8214-8223.	14.6	37
66	A Combined Experimental and Theoretical Approach to Measure Spatially Resolved Local Surface Plasmon Resonances in Aluminum Nanocrystals. Microscopy and Microanalysis, 2018, 24, 1682-1683.	0.4	1
67	Absorption-enhanced Imaging through Scattering Medium. , 2018, , .		0
68	Multicolor Electrochromic Devices Based on Molecular Plasmonics. ACS Nano, 2017, 11, 3254-3261.	14.6	97
69	Hot Hole Photoelectrochemistry on Au@SiO₂@Au Nanoparticles. Journal of Physical Chemistry Letters, 2017, 8, 2060-2067.	4.6	137
70	Balancing Near-Field Enhancement, Absorption, and Scattering for Effective Antennaâ€“Reactor Plasmonic Photocatalysis. Nano Letters, 2017, 17, 3710-3717.	9.1	202
71	Nanophotonics-enabled solar membrane distillation for off-grid water purification. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6936-6941.	7.1	348
72	Plasmon-induced selective carbon dioxide conversion on earth-abundant aluminum-cuprous oxide antenna-reactor nanoparticles. Nature Communications, 2017, 8, 27.	12.8	308

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73	Gold coated iron phosphide coreâ€“shell structures. RSC Advances, 2017, 7, 25848-25854.	3.6	7
74	Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381.	14.6	976
75	Optomechanics of Single Aluminum Nanodisks. Nano Letters, 2017, 17, 2575-2583.	9.1	50
76	Transition-Metal Decorated Aluminum Nanocrystals. ACS Nano, 2017, 11, 10281-10288.	14.6	76
77	Vibrational coupling in plasmonic molecules. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11621-11626.	7.1	49
78	Two-Dimensional Active Tuning of an Aluminum Plasmonic Array for Full-Spectrum Response. Nano Letters, 2017, 17, 6034-6039.	9.1	235
79	Nanogapped Au Antennas for Ultrasensitive Surface-Enhanced Infrared Absorption Spectroscopy. Nano Letters, 2017, 17, 5768-5774.	9.1	187
80	Near-infrared remotely triggered drug-release strategies for cancer treatment. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12419-12424.	7.1	64
81	Enhancing T ₁ magnetic resonance imaging contrast with internalized gadolinium(III) in a multilayer nanoparticle. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6960-6965.	7.1	75
82	Aluminum Nanocrystals: A Sustainable Substrate for Quantitative SERS-Based DNA Detection. Nano Letters, 2017, 17, 5071-5077.	9.1	173
83	Understanding Resonant Light-Triggered DNA Release from Plasmonic Nanoparticles. ACS Nano, 2017, 11, 171-179.	14.6	94
84	Plasmonic colour generation. Nature Reviews Materials, 2017, 2, .	48.7	620
85	Combining Solar Steam Processing and Solar Distillation for Fully Off-Grid Production of Cellulosic Bioethanol. ACS Energy Letters, 2017, 2, 8-13.	17.4	61
86	Toward Surface Plasmon-Enhanced Optical Parametric Amplification (SPOPA) with Engineered Nanoparticles: A Nanoscale Tunable Infrared Source. Nano Letters, 2016, 16, 3373-3378.	9.1	50
87	Imaging through plasmonic nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5558-5563.	7.1	27
88	Molecular Plasmonâ€“Phonon Coupling. Nano Letters, 2016, 16, 6390-6395.	9.1	20
89	Absorption Spectroscopy of an Individual Fano Cluster. Nano Letters, 2016, 16, 6497-6503.	9.1	37
90	Absorption-Induced Image Resolution Enhancement in Scattering Media. ACS Photonics, 2016, 3, 1787-1793.	6.6	24

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91	Alâ€"Pd Nanodisk Heterodimers as Antennaâ€"Reactor Photocatalysts. Nano Letters, 2016, 16, 6677-6682.	9.1	196
92	Heterometallic antennaâ^'reactor complexes for photocatalysis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8916-8920.	7.1	381
93	Photoinduced Force Mapping of Plasmonic Nanostructures. Nano Letters, 2016, 16, 7942-7949.	9.1	61
94	Walking the Walk: A Giant Step toward Sustainable Plasmonics. ACS Nano, 2016, 10, 9772-9775.	14.6	38
95	Layer Engineering of 2D Semiconductor Junctions. Advanced Materials, 2016, 28, 5126-5132.	21.0	63
96	Aluminum Nanocrystals as a Plasmonic Photocatalyst for Hydrogen Dissociation. Nano Letters, 2016, 16, 1478-1484.	9.1	294
97	High Chromaticity Aluminum Plasmonic Pixels for Active Liquid Crystal Displays. ACS Nano, 2016, 10, 1108-1117.	14.6	153
98	Asymmetric Aluminum Antennas for Self-Calibrating Surface-Enhanced Infrared Absorption Spectroscopy. ACS Photonics, 2016, 3, 354-360.	6.6	107
99	Laser-Induced Spectral Hole-Burning through a Broadband Distribution of Au Nanorods. Journal of Physical Chemistry C, 2016, 120, 20518-20524.	3.1	22
100	Charge Transfer Plasmons: Optical Frequency Conductances and Tunable Infrared Resonances. ACS Nano, 2015, 9, 6428-6435.	14.6	115
101	From tunable core-shell nanoparticles to plasmonic drawbridges: Active control of nanoparticle optical properties. Science Advances, 2015, 1, e1500988.	10.3	146
102	NIR and MIR charge transfer plasmons in wire-bridged antennas (Presentation Recording). Proceedings of SPIE, 2015, , .	0.8	0
103	Fan-Shaped Gold Nanoantennas above Reflective Substrates for Surface-Enhanced Infrared Absorption (SEIRA). Nano Letters, 2015, 15, 1272-1280.	9.1	227
104	Plasmon-induced hot carrier science and technology. Nature Nanotechnology, 2015, 10, 25-34.	31.5	2,564
105	Standing Wave Plasmon Modes Interact in an Antenna-Coupled Nanowire. Nano Letters, 2015, 15, 1324-1330.	9.1	21
106	Fractal Nanoparticle Plasmonics: The Cayley Tree. ACS Nano, 2015, 9, 3284-3292.	14.6	96
107	Molecular Plasmonics. Nano Letters, 2015, 15, 6208-6214.	9.1	80
108	Distinguishing between plasmon-induced and photoexcited carriers in a device geometry. Nature Communications, 2015, 6, 7797.	12.8	311

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109	Aluminum Nanocrystals. Nano Letters, 2015, 15, 2751-2755.	9.1	169
110	Tuning the acoustic frequency of a gold nanodisk through its adhesion layer. Nature Communications, 2015, 6, 7022.	12.8	65
111	An Atomically Layered InSe Avalanche Photodetector. Nano Letters, 2015, 15, 3048-3055.	9.1	253
112	Fano Resonant Aluminum Nanoclusters for Plasmonic Colorimetric Sensing. ACS Nano, 2015, 9, 10628-10636.	14.6	209
113	Nanoparticle-Mediated, Light-Induced Phase Separations. Nano Letters, 2015, 15, 7880-7885.	9.1	107
114	Distinguishing between plasmon-induced and photo-excited carriers in a device geometry (Presentation Recording). , 2015, , .		0
115	Pronounced Linewidth Narrowing of an Aluminum Nanoparticle Plasmon Resonance by Interaction with an Aluminum Metallic Film. Nano Letters, 2015, 15, 6946-6951.	9.1	149
116	Optoelectronic Memory Using Two-Dimensional Materials. Nano Letters, 2015, 15, 259-265.	9.1	163
117	Reduction in Nanoparticle Size Dramatically Improves Plasmonic Photo-thermal Therapy Efficacy in Aggressive Triple Negative Breast Cancer. , 2014, , .		0
118	Coherent Plasmonics: Optimized for Sensing and Energy Transfer. , 2014, , .		0
119	Ternary CuIn₇Se₁₁: Towards Ultraâ€Thin Layered Photodetectors and Photovoltaic Devices. Advanced Materials, 2014, 26, 7666-7672.	21.0	43
120	Fluorescence Enhancement of Molecules Inside a Gold Nanomatryoshka. Nano Letters, 2014, 14, 2926-2933.	9.1	188
121	Active Tunable Absorption Enhancement with Graphene Nanodisk Arrays. Nano Letters, 2014, 14, 299-304.	9.1	565
122	Enhancing the photocurrent and photoluminescence of single crystal monolayer MoS₂ with resonant plasmonic nanoshells. Applied Physics Letters, 2014, 104, 031112.	3.3	208
123	Aluminum for Plasmonics. ACS Nano, 2014, 8, 834-840.	14.6	1,018
124	Impurity-Induced Plasmon Damping in Individual Cobalt-Doped Hollow Au Nanoshells. Journal of Physical Chemistry B, 2014, 118, 14056-14061.	2.6	21
125	Nanoparticles Heat through Light Localization. Nano Letters, 2014, 14, 4640-4645.	9.1	379
126	Plasmonic Hot Electron Induced Structural Phase Transition in a MoS₂ Monolayer. Advanced Materials, 2014, 26, 6467-6471.	21.0	516

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127	Sub-100nm gold nanomatryoshkas improve photo-thermal therapy efficacy in large and highly aggressive triple negative breast tumors. Journal of Controlled Release, 2014, 191, 90-97.	9.9	79
128	Hot-Electron-Induced Dissociation of H₂on Gold Nanoparticles Supported on SiO₂. Journal of the American Chemical Society, 2014, 136, 64-67.	13.7	458
129	Colorâ€Selective and CMOSâ€Compatible Photodetection Based on Aluminum Plasmonics. Advanced Materials, 2014, 26, 6318-6323.	21.0	178
130	Vivid, full-color aluminum plasmonic pixels. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14348-14353.	7.1	269
131	Coherent anti-Stokes Raman scattering with single-molecule sensitivity using a plasmonic Fano resonance. Nature Communications, 2014, 5, 4424.	12.8	252
132	Targeting pancreatic cancer with magneto-fluorescent theranostic gold nanoshells. Nanomedicine, 2014, 9, 1209-1222.	3.3	62
133	The Surprising <i>in Vivo</i> Instability of Near-IR-Absorbing Hollow Auâ€"Ag Nanoshells. ACS Nano, 2014, 8, 3222-3231.	14.6	148
134	Au Nanomatryoshkas as Efficient Near-Infrared Photothermal Transducers for Cancer Treatment: Benchmarking against Nanoshells. ACS Nano, 2014, 8, 6372-6381.	14.6	334
135	Three-Dimensional Plasmonic Nanoclusters. Nano Letters, 2013, 13, 4399-4403.	9.1	168
136	Compact solar autoclave based on steam generation using broadband light-harvesting nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11677-11681.	7.1	421
137	Anomalously Strong Electric Near-Field Enhancements at Defect Sites on Au Nanoshells Observed by Ultrafast Scanning Photoemission Imaging Microscopy. Journal of Physical Chemistry C, 2013, 117, 22545-22559.	3.1	18
138	Individual Nanoantennas Loaded with Three-Dimensional Optical Nanocircuits. Nano Letters, 2013, 13, 142-147.	9.1	111
139	Hot Electrons Do the Impossible: Plasmon-Induced Dissociation of H₂ on Au. Nano Letters, 2013, 13, 240-247.	9.1	1,332
140	Solar Vapor Generation Enabled by Nanoparticles. ACS Nano, 2013, 7, 42-49.	14.6	1,053
141	Light-Triggered Biocatalysis Using Thermophilic Enzymeâ€"Gold Nanoparticle Complexes. ACS Nano, 2013, 7, 654-663.	14.6	73
142	Gated Tunability and Hybridization of Localized Plasmons in Nanostructured Graphene. ACS Nano, 2013, 7, 2388-2395.	14.6	622
143	Dark Plasmons in Hot Spot Generation and Polarization in Interelectrode Nanoscale Junctions. Nano Letters, 2013, 13, 1359-1364.	9.1	93
144	Embedding Plasmonic Nanostructure Diodes Enhances Hot Electron Emission. Nano Letters, 2013, 13, 1687-1692.	9.1	283

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145	Evolution of Light-Induced Vapor Generation at a Liquid-Immersed Metallic Nanoparticle. Nano Letters, 2013, 13, 1736-1742.	9.1	394
146	Narrowband photodetection in the near-infrared with a plasmon-induced hot electron device. Nature Communications, 2013, 4, 1643.	12.8	552
147	Surface-Enhanced Infrared Absorption Using Individual Cross Antennas Tailored to Chemical Moieties. Journal of the American Chemical Society, 2013, 135, 3688-3695.	13.7	212
148	Near-Field Mediated Plexcitonic Coupling and Giant Rabi Splitting in Individual Metallic Dimers. Nano Letters, 2013, 13, 3281-3286.	9.1	445
149	Using Catalytic and Surface-Enhanced Raman Spectroscopy-Active Gold Nanoshells to Understand the Role of Basicity in Glycerol Oxidation. ACS Catalysis, 2013, 3, 2430-2435.	11.2	40
150	Orienting Nanoantennas in Three Dimensions To Control Light Scattering Across a Dielectric Interface. Nano Letters, 2013, 13, 5997-6001.	9.1	30
151	Substrate-mediated charge transfer plasmons in simple and complex nanoparticle clusters. Nanoscale, 2013, 5, 9897.	5.6	47
152	Surface-enhanced Raman spectroscopy: Substrates and materials for research and applications. MRS Bulletin, 2013, 38, 607-611.	3.5	41
153	Coherent Fano resonances in a plasmonic nanocluster enhance optical four-wave mixing. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9215-9219.	7.1	190
154	Electrical conductivity of cationized ferritin decorated gold nanoshells. Journal of Applied Physics, 2012, 111, 124311.	2.5	1
155	Tunable optical tweezers for wavelength-dependent measurements. Review of Scientific Instruments, 2012, 83, 043114.	1.3	14
156	Noble Metal Nanowires: From Plasmon Waveguides to Passive and Active Devices. Accounts of Chemical Research, 2012, 45, 1887-1895.	15.6	133
157	Plasmon Transmutation: Inducing New Modes in Nanoclusters by Adding Dielectric Nanoparticles. Nano Letters, 2012, 12, 5020-5026.	9.1	73
158	A Plasmonic Fano Switch. Nano Letters, 2012, 12, 4977-4982.	9.1	342
159	Plasmon-Induced Doping of Graphene. ACS Nano, 2012, 6, 10222-10228.	14.6	356
160	Designing and Deconstructing the Fano Lineshape in Plasmonic Nanoclusters. Nano Letters, 2012, 12, 1058-1062.	9.1	205
161	Plasmonic Materials: A Plethora of Plasmonics from the Laboratory for Nanophotonics at Rice University (Adv. Mater. 36/2012). Advanced Materials, 2012, 24, 4774-4774.	21.0	5
162	Aluminum Plasmonic Nanoantennas. Nano Letters, 2012, 12, 6000-6004.	9.1	497

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163	Plasmonic Nanoclusters: Near Field Properties of the Fano Resonance Interrogated with SERS. Nano Letters, 2012, 12, 1660-1667.	9.1	442
164	Gene Silencing by Gold Nanoshell-Mediated Delivery and Laser-Triggered Release of Antisense Oligonucleotide and siRNA. ACS Nano, 2012, 6, 7681-7691.	14.6	242
165	Calibrating the imaging and therapy performance of magneto-fluorescent gold nanoshells for breast cancer. , 2012, , .		1
166	Delivery of nanoparticles to brain metastases of breast cancer using a cellular Trojan horse. Cancer Nanotechnology, 2012, 3, 47-54.	3.7	132
167	Water-Phase Synthesis of Cationic Silica/Polyamine Nanoparticles. Chemistry of Materials, 2012, 24, 1426-1433.	6.7	11
168	Magnetic Plasmon Formation and Propagation in Artificial Aromatic Molecules. Nano Letters, 2012, 12, 364-369.	9.1	119
169	Near-Normal Incidence Dark-Field Microscopy: Applications to Nanoplasmonic Spectroscopy. Nano Letters, 2012, 12, 2817-2821.	9.1	61
170	Manipulating Magnetic Plasmon Propagation in Metallic Nanocluster Networks. ACS Nano, 2012, 6, 5482-5488.	14.6	92
171	A Plethora of Plasmonics from the Laboratory for Nanophotonics at Rice University. Advanced Materials, 2012, 24, 4842-4877.	21.0	94
172	Graphene-Antenna Sandwich Photodetector. Nano Letters, 2012, 12, 3808-3813.	9.1	615
173	Orientation-Preserving Transfer and Directional Light Scattering from Individual Light-Bending Nanoparticles. Nano Letters, 2011, 11, 1838-1844.	9.1	53
174	Plexciton Dynamics: Excitonâ˘Plasmon Coupling in a J-Aggregateâ˘Au Nanoshell Complex Provides a Mechanism for Nonlinearity. Nano Letters, 2011, 11, 1556-1560.	9.1	260
175	Three-Dimensional Nanostructures as Highly Efficient Generators of Second Harmonic Light. Nano Letters, 2011, 11, 5519-5523.	9.1	273
176	Plasmons in Strongly Coupled Metallic Nanostructures. Chemical Reviews, 2011, 111, 3913-3961.	47.7	2,663
177	Calibrating the photo-thermal response of magneto-fluorescent gold nanoshells. , 2011, 2011, 4776-9.		1
178	Removing a Wedge from a Metallic Nanodisk Reveals a Fano Resonance. Nano Letters, 2011, 11, 4475-4479.	9.1	190
179	Theranostic Nanoshells: From Probe Design to Imaging and Treatment of Cancer. Accounts of Chemical Research, 2011, 44, 936-946.	15.6	827
180	Quantum Dot-Based Local Field Imaging Reveals Plasmon-Based Interferometric Logic in Silver Nanowire Networks. Nano Letters, 2011, 11, 471-475.	9.1	267

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181	Angle- and Spectral-Dependent Light Scattering from Plasmonic Nanocups. ACS Nano, 2011, 5, 7254-7262.	14.6	95
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