Peter Nordlander

List of Publications by Year
in descending order

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432	75,609	416	507
papers	citations	132 h-index	268 g-index

437	437	437	40414
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reply to: Distinguishing thermal from non-thermal contributions to plasmonic hydrodefluorination. Nature Catalysis, 2022, 5, 247-250.	16.1	7
2	Tanks and Truth. ACS Nano, 2022, 16, 4975-4976.	7.3	0
3	Al@TiO₂ Coreâ€“Shell Nanoparticles for Plasmonic Photocatalysis. ACS Nano, 2022, 16, 5839-5850.	7.3	48
4	Vacuum ultraviolet nonlinear metalens. Science Advances, 2022, 8, eabn5644.	4.7	57
5	Towards scalable plasmonic Fano-resonant metasurfaces for colorimetric sensing. Nanotechnology, 2022, 33, 405201.	1.3	25
6	A Dual Catalyst Strategy for Controlling Aluminum Nanocrystal Growth. Nano Letters, 2022, 22, 5570-5574.	4.5	4
7	Gd ₂ O ₃ -mesoporous silica/gold nanoshells: A potential dual T ₁ / T 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, .	3.3	14
8	Plasmon Energy Transfer in Hybrid Nanoantennas. ACS Nano, 2021, 15, 9522-9530.	7.3	34
9	UV-Resonant Al Nanocrystals: Synthesis, Silica Coating, and Broadband Photothermal Response. Nano Letters, 2021, 21, 536-542.	4.5	25
10	Mark Stockman: Evangelist for Plasmonics. ACS Photonics, 2021, 8, 683-698.	3.2	2
11	Thousand-fold Increase in Plasmonic Light Emission via Combined Electronic and Optical Excitations. Nano Letters, 2021, 21, 2658-2665.	4.5	12
12	A 3D Plasmonic Antenna-Reactor for Nanoscale Thermal Hotspots and Gradients. ACS Nano, 2021, 15, 8761-8769.	7.3	28
13	Hot carrier multiplication in plasmonic photocatalysis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	43
14	All-Optically Reconfigurable Plasmonic Metagrating for Ultrafast Diffraction Management. Nano Letters, 2021, 21, 1345-1351.	4.5	19
15	Phonon-Assisted Hot Carrier Generation in Plasmonic Semiconductor Systems. Nano Letters, 2021, 21, 1083-1089.	4.5	38
16	Plasmon-induced trap filling at grain boundaries in perovskite solar cells. Light: Science and Applications, 2021, 10, 219.	7.7	30
17	Light-driven methane dry reforming with single atomic site antenna-reactor plasmonic photocatalysts. Nature Energy, 2020, 5, 61-70.	19.8	466
18	Transient optical symmetry breaking for ultrafast broadband dichroism in plasmonic metasurfaces. Nature Photonics, 2020, 14, 723-727.	15.6	48

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19	Giant photothermoelectric effect in silicon nanoribbon photodetectors. Light: Science and Applications, 2020, 9, 120.	7.7	24
20	Aluminum Nanocrystals Grow into Distinct Branched Aluminum Nanowire Morphologies. Nano Letters, 2020, 20, 6644-6650.	4.5	10
21	Morphology-Dependent Reactivity of a Plasmonic Photocatalyst. ACS Nano, 2020, 14, 12054-12063.	7.3	69
22	Increased Intraband Transitions in Smaller Gold Nanorods Enhance Light Emission. ACS Nano, 2020, 14, 15757-15765.	7.3	59
23	Effects of Electronic Structure on Molecular Plasmon Dynamics. Journal of Physical Chemistry C, 2020, 124, 20450-20457.	1.5	8
24	Site-Selective Nanoreactor Deposition on Photocatalytic Al Nanocubes. Nano Letters, 2020, 20, 4550-4557.	4.5	34
25	Electrically Driven Hot-Carrier Generation and Above-Threshold Light Emission in Plasmonic Tunnel Junctions. Nano Letters, 2020, 20, 6067-6075.	4.5	38
26	Plasmon-driven carbonâ€“fluorine (C(sp3)â€“F) bond activation with mechanistic insights into hot-carrier-mediated pathways. Nature Catalysis, 2020, 3, 564-573.	16.1	81
27	Polarized evanescent waves reveal trochoidal dichroism. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16143-16148.	3.3	12
28	Resonant energy transfer enhances solar thermal desalination. Energy and Environmental Science, 2020, 13, 968-976.	15.6	33
29	Monolithic Metal Dimer-on-Film Structure: New Plasmonic Properties Introduced by the Underlying Metal. Nano Letters, 2020, 20, 2087-2093.	4.5	102
30	Duplicating Plasmonic Hotspots by Matched Nanoantenna Pairs for Remote Nanogap Enhanced Spectroscopy. Nano Letters, 2020, 20, 3499-3505.	4.5	27
31	Growing Contributions of Nano in 2020. ACS Nano, 2020, 14, 16163-16164.	7.3	1
32	Design and fabrication of the vacuum ultraviolet nonlinear metasurfaces. , 2020, , .		0
33	Aluminum Nanocubes Have Sharp Corners. ACS Nano, 2019, 13, 9682-9691.	7.3	63
34	Plasmon-Mediated Catalytic O₂ Dissociation on Ag Nanostructures: Hot Electrons or Near Fields?. ACS Energy Letters, 2019, 4, 1803-1809.	8.8	136
35	Generating Third Harmonic Vacuum Ultraviolet Light with a TiO₂ Metasurface. Nano Letters, 2019, 19, 8972-8978.	4.5	69
36	Nano as a Rosetta Stone: The Global Roles and Opportunities for Nanoscience and Nanotechnology. ACS Nano, 2019, 13, 10853-10855.	7.3	16

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37	Single-Particle Emission Spectroscopy Resolves d-Hole Relaxation in Copper Nanocubes. ACS Energy Letters, 2019, 4, 2458-2465.	8.8	39
38	Anti-Stokes Emission from Hot Carriers in Gold Nanorods. Nano Letters, 2019, 19, 1067-1073.	4.5	58
39	Efficient Second Harmonic Generation in a Hybrid Plasmonic Waveguide by Mode Interactions. Nano Letters, 2019, 19, 3838-3845.	4.5	47
40	Photocatalytic Hydrogenation of Graphene Using Pd Nanocones. Nano Letters, 2019, 19, 4413-4419.	4.5	32
41	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.	3.3	74
42	Plasmonic Photocatalysis of Nitrous Oxide into N₂ and O₂ Using Aluminumâ€“Iridium Antennaâ€“Reactor Nanoparticles. ACS Nano, 2019, 13, 8076-8086.	7.3	83
43	Response to Comment on â€œQuantifying hot carrier and thermal contributions in plasmonic photocatalysisâ€. Science, 2019, 364, .	6.0	131
44	Hydrated Electron Generation by Excitation of Copper Localized Surface Plasmon Resonance. Journal of Physical Chemistry Letters, 2019, 10, 1743-1749.	2.1	18
45	Ultrafast Electron Dynamics in Single Aluminum Nanostructures. Nano Letters, 2019, 19, 3091-3097.	4.5	39
46	Metal-organic frameworks tailor the properties of aluminum nanocrystals. Science Advances, 2019, 5, eaav5340.	4.7	74
47	Polydopamine-Stabilized Aluminum Nanocrystals: Aqueous Stability and Benzo[a]pyrene Detection. ACS Nano, 2019, 13, 3117-3124.	7.3	71
48	Toroidal Dipole-Enhanced Third Harmonic Generation of Deep Ultraviolet Light Using Plasmonic Meta-atoms. Nano Letters, 2019, 19, 605-611.	4.5	94
49	Ligand-Dependent Colloidal Stability Controls the Growth of Aluminum Nanocrystals. Journal of the American Chemical Society, 2019, 141, 1716-1724.	6.6	45
50	Plasmonic nanoparticle-based epoxy photocuring: A deeper look. Materials Today, 2019, 27, 14-20.	8.3	11
51	Nonlinear Generation of Vacuum Ultraviolet Light with an All-Dielectric Metasurface. , 2019, , .		0
52	Helmuth MÃ¶hwald (1946â€“2018). ACS Nano, 2018, 12, 3053-3055.	7.3	0
53	Wavelength-Dependent Optical Force Imaging of Bimetallic Alâ€“Au Heterodimers. Nano Letters, 2018, 18, 2040-2046.	4.5	44
54	Photoluminescence of Gold Nanorods: Purcell Effect Enhanced Emission from Hot Carriers. ACS Nano, 2018, 12, 976-985.	7.3	113

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55	Aluminum Nanorods. Nano Letters, 2018, 18, 1234-1240.	4.5	69
56	Environmental Symmetry Breaking Promotes Plasmon Mode Splitting in Gold Nanotriangles. Journal of Physical Chemistry C, 2018, 122, 13259-13266.	1.5	30
57	Relaxation of Plasmon-Induced Hot Carriers. ACS Photonics, 2018, 5, 2584-2595.	3.2	115
58	Exploiting Evanescent Field Polarization for Giant Chiroptical Modulation from Achiral Gold Half-Rings. ACS Nano, 2018, 12, 11657-11663.	7.3	20
59	The 15th Anniversary of the U.S. National Nanotechnology Initiative. ACS Nano, 2018, 12, 10567-10569.	7.3	3
60	Quantifying hot carrier and thermal contributions in plasmonic photocatalysis. Science, 2018, 362, 69-72.	6.0	756
61	Polymer-Directed Growth of Plasmonic Aluminum Nanocrystals. Journal of the American Chemical Society, 2018, 140, 15412-15418.	6.6	55
62	Optical-Force-Dominated Directional Reshaping of Au Nanodisks in Alâ€“Au Heterodimers. Nano Letters, 2018, 18, 6509-6514.	4.5	13
63	A room-temperature mid-infrared photodetector for on-chip molecular vibrational spectroscopy. Applied Physics Letters, 2018, 113, .	1.5	16
64	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.	3.3	30
65	Atomic Scale Photodetection Enabled by a Memristive Junction. ACS Nano, 2018, 12, 6706-6713.	7.3	37
66	Vacuum Ultraviolet Light-Generating Metasurface. Nano Letters, 2018, 18, 5738-5743.	4.5	82
67	Combining Plasmonic Hot Carrier Generation with Free Carrier Absorption for High-Performance Near-Infrared Silicon-Based Photodetection. ACS Photonics, 2018, 5, 3472-3477.	3.2	91
68	Routes to Potentially Safer T₁ Magnetic Resonance Imaging Contrast in a Compact Plasmonic Nanoparticle with Enhanced Fluorescence. ACS Nano, 2018, 12, 8214-8223.	7.3	37
69	Multicolor Electrochromic Devices Based on Molecular Plasmonics. ACS Nano, 2017, 11, 3254-3261.	7.3	97
70	Hot Hole Photoelectrochemistry on Au@SiO₂@Au Nanoparticles. Journal of Physical Chemistry Letters, 2017, 8, 2060-2067.	2.1	137
71	Balancing Near-Field Enhancement, Absorption, and Scattering for Effective Antennaâ€“Reactor Plasmonic Photocatalysis. Nano Letters, 2017, 17, 3710-3717.	4.5	202
72	Plasmonic Coupling of Multipolar Edge Modes and the Formation of Gap Modes. ACS Photonics, 2017, 4, 1558-1565.	3.2	29

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73	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.	3.3	348
74	Plasmon-induced selective carbon dioxide conversion on earth-abundant aluminum-cuprous oxide antenna-reactor nanoparticles. Nature Communications, 2017, 8, 27.	5.8	308
75	Manipulating Coherent Plasmonâ€“Exciton Interaction in a Single Silver Nanorod on Monolayer WSe₂. Nano Letters, 2017, 17, 3809-3814.	4.5	270
76	Spectral Response of Plasmonic Gold Nanoparticles to Capacitive Charging: Morphology Effects. Journal of Physical Chemistry Letters, 2017, 8, 2681-2688.	2.1	41
77	Doped Silicon Nanocrystal Plasmonics. ACS Photonics, 2017, 4, 963-970.	3.2	43
78	Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381.	7.3	976
79	Optomechanics of Single Aluminum Nanodisks. Nano Letters, 2017, 17, 2575-2583.	4.5	50
80	Transition-Metal Decorated Aluminum Nanocrystals. ACS Nano, 2017, 11, 10281-10288.	7.3	76
81	Vibrational coupling in plasmonic molecules. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11621-11626.	3.3	49
82	Our First and Next Decades at ACS Nano. ACS Nano, 2017, 11, 7553-7555.	7.3	0
83	Two-Dimensional Active Tuning of an Aluminum Plasmonic Array for Full-Spectrum Response. Nano Letters, 2017, 17, 6034-6039.	4.5	235
84	Theory, Simulation, and Computation in Nanoscience and Nanotechnology. ACS Nano, 2017, 11, 6505-6506.	7.3	12
85	Quantifying Remote Heating from Propagating Surface Plasmon Polaritons. Nano Letters, 2017, 17, 5646-5652.	4.5	13
86	Nanogapped Au Antennas for Ultrasensitive Surface-Enhanced Infrared Absorption Spectroscopy. Nano Letters, 2017, 17, 5768-5774.	4.5	187
87	Oblique Colloidal Lithography for the Fabrication of Nonconcentric Features. ACS Nano, 2017, 11, 6594-6604.	7.3	14
88	How To Identify Plasmons from the Optical Response of Nanostructures. ACS Nano, 2017, 11, 7321-7335.	7.3	72
89	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.	3.3	75
90	Aluminum Nanocrystals: A Sustainable Substrate for Quantitative SERS-Based DNA Detection. Nano Letters, 2017, 17, 5071-5077.	4.5	173

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91	Plasmonic colour generation. Nature Reviews Materials, 2017, 2, .	23.3	620
92	Combining Solar Steam Processing and Solar Distillation for Fully Off-Grid Production of Cellulosic Bioethanol. ACS Energy Letters, 2017, 2, 8-13.	8.8	61
93	A Big Year Ahead for Nano in 2018. ACS Nano, 2017, 11, 11755-11757.	7.3	1
94	Plasmonic Heating in Au Nanowires at Low Temperatures: The Role of Thermal Boundary Resistance. ACS Nano, 2016, 10, 6972-6979.	7.3	34
95	Nanoscience and Nanotechnology Impacting Diverse Fields of Science, Engineering, and Medicine. ACS Nano, 2016, 10, 10615-10617.	7.3	22
96	Extraordinary Light-Induced Local Angular Momentum near Metallic Nanoparticles. ACS Nano, 2016, 10, 4835-4846.	7.3	34
97	Toward Surface Plasmon-Enhanced Optical Parametric Amplification (SPOPA) with Engineered Nanoparticles: A Nanoscale Tunable Infrared Source. Nano Letters, 2016, 16, 3373-3378.	4.5	50
98	Chiral and Achiral Nanodumbbell Dimers: The Effect of Geometry on Plasmonic Properties. ACS Nano, 2016, 10, 6180-6188.	7.3	88
99	Molecular Plasmonâ€“Phonon Coupling. Nano Letters, 2016, 16, 6390-6395.	4.5	20
100	Absorption Spectroscopy of an Individual Fano Cluster. Nano Letters, 2016, 16, 6497-6503.	4.5	37
101	Alâ€“Pd Nanodisk Heterodimers as Antennaâ€“Reactor Photocatalysts. Nano Letters, 2016, 16, 6677-6682.	4.5	196
102	Hot Electron Generation and Cathodoluminescence Nanoscopy of Chiral Split Ring Resonators. Nano Letters, 2016, 16, 5183-5190.	4.5	92
103	Heterometallic antennaâ^'reactor complexes for photocatalysis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8916-8920.	3.3	381
104	Photoinduced Force Mapping of Plasmonic Nanostructures. Nano Letters, 2016, 16, 7942-7949.	4.5	61
105	Quantum mechanical effects in plasmonic structures with subnanometre gaps. Nature Communications, 2016, 7, 11495.	5.8	605
106	Aluminum Nanocrystals as a Plasmonic Photocatalyst for Hydrogen Dissociation. Nano Letters, 2016, 16, 1478-1484.	4.5	294
107	High Chromaticity Aluminum Plasmonic Pixels for Active Liquid Crystal Displays. ACS Nano, 2016, 10, 1108-1117.	7.3	153
108	Asymmetric Aluminum Antennas for Self-Calibrating Surface-Enhanced Infrared Absorption Spectroscopy. ACS Photonics, 2016, 3, 354-360.	3.2	107

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109	Electron Energy-Loss Spectroscopy of Multipolar Edge and Cavity Modes in Silver Nanosquares. ACS Photonics, 2016, 3, 428-433.	3.2	51
110	Laser-Induced Spectral Hole-Burning through a Broadband Distribution of Au Nanorods. Journal of Physical Chemistry C, 2016, 120, 20518-20524.	1.5	22
111	Charge Transfer Plasmons: Optical Frequency Conductances and Tunable Infrared Resonances. ACS Nano, 2015, 9, 6428-6435.	7.3	115
112	From tunable core-shell nanoparticles to plasmonic drawbridges: Active control of nanoparticle optical properties. Science Advances, 2015, 1, e1500988.	4.7	146
113	Active quantum plasmonics. Science Advances, 2015, 1, e1501095.	4.7	66
114	Fan-Shaped Gold Nanoantennas above Reflective Substrates for Surface-Enhanced Infrared Absorption (SEIRA). Nano Letters, 2015, 15, 1272-1280.	4.5	227
115	Plasmon-induced hot carrier science and technology. Nature Nanotechnology, 2015, 10, 25-34.	15.6	2,564
116	The Morphology of Narrow Gaps Modifies the Plasmonic Response. ACS Photonics, 2015, 2, 295-305.	3.2	99
117	Electron Energy-Loss Spectroscopy Calculation in Finite-Difference Time-Domain Package. ACS Photonics, 2015, 2, 369-375.	3.2	64
118	Standing Wave Plasmon Modes Interact in an Antenna-Coupled Nanowire. Nano Letters, 2015, 15, 1324-1330.	4.5	21
119	Molecular Plasmonics. Nano Letters, 2015, 15, 6208-6214.	4.5	80
120	High-Density 2D Homo- and Hetero- Plasmonic Dimers with Universal Sub-10-nm Gaps. ACS Nano, 2015, 9, 9331-9339.	7.3	51
121	Distinguishing between plasmon-induced and photoexcited carriers in a device geometry. Nature Communications, 2015, 6, 7797.	5.8	311
122	Optics and Nonlinear Buckling Mechanics in Large-Area, Highly Stretchable Arrays of Plasmonic Nanostructures. ACS Nano, 2015, 9, 5968-5975.	7.3	87
123	Aluminum Nanocrystals. Nano Letters, 2015, 15, 2751-2755.	4.5	169
124	Tuning the acoustic frequency of a gold nanodisk through its adhesion layer. Nature Communications, 2015, 6, 7022.	5.8	65
125	Fano Resonant Aluminum Nanoclusters for Plasmonic Colorimetric Sensing. ACS Nano, 2015, 9, 10628-10636.	7.3	209
126	Nanooptics of Plasmonic Nanomatryoshkas: Shrinking the Size of a Coreâ€“Shell Junction to Subnanometer. Nano Letters, 2015, 15, 6419-6428.	4.5	119

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127	Nanoparticle-Mediated, Light-Induced Phase Separations. Nano Letters, 2015, 15, 7880-7885.	4.5	107
128	Active Light Control of the MoS₂ Monolayer Exciton Binding Energy. ACS Nano, 2015, 9, 10158-10164.	7.3	190
129	Pronounced Linewidth Narrowing of an Aluminum Nanoparticle Plasmon Resonance by Interaction with an Aluminum Metallic Film. Nano Letters, 2015, 15, 6946-6951.	4.5	149
130	A classical treatment of optical tunneling in plasmonic gaps: extending the quantum corrected model to practical situations. Faraday Discussions, 2015, 178, 151-183.	1.6	151
131	Molecular Tuning of Quantum Plasmon Resonances. Science, 2014, 343, 1444-1445.	6.0	16
132	Fluorescence Enhancement of Molecules Inside a Gold Nanomatryoshka. Nano Letters, 2014, 14, 2926-2933.	4.5	188
133	Influence of Cross Sectional Geometry on Surface Plasmon Polariton Propagation in Gold Nanowires. ACS Nano, 2014, 8, 572-580.	7.3	40
134	Active Tunable Absorption Enhancement with Graphene Nanodisk Arrays. Nano Letters, 2014, 14, 299-304.	4.5	565
135	Porous Au Nanoparticles with Tunable Plasmon Resonances and Intense Field Enhancements for Single-Particle SERS. Journal of Physical Chemistry Letters, 2014, 5, 370-374.	2.1	166
136	Aluminum for Plasmonics. ACS Nano, 2014, 8, 834-840.	7.3	1,018
137	Theory of Quantum Plasmon Resonances in Doped Semiconductor Nanocrystals. Journal of Physical Chemistry C, 2014, 118, 16035-16042.	1.5	60
138	Impurity-Induced Plasmon Damping in Individual Cobalt-Doped Hollow Au Nanoshells. Journal of Physical Chemistry B, 2014, 118, 14056-14061.	1.2	21
139	Nanoparticles Heat through Light Localization. Nano Letters, 2014, 14, 4640-4645.	4.5	379
140	Dye-Assisted Gain of Strongly Confined Surface Plasmon Polaritons in Silver Nanowires. Nano Letters, 2014, 14, 3628-3633.	4.5	33
141	Plasmonic Hot Electron Induced Structural Phase Transition in a MoS₂ Monolayer. Advanced Materials, 2014, 26, 6467-6471.	11.1	516
142	Hot-Electron-Induced Dissociation of H₂on Gold Nanoparticles Supported on SiO₂. Journal of the American Chemical Society, 2014, 136, 64-67.	6.6	458
143	Colorâ€Selective and CMOSâ€Compatible Photodetection Based on Aluminum Plasmonics. Advanced Materials, 2014, 26, 6318-6323.	11.1	178
144	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

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145	Fabrication of Split-Rings via Stretchable Colloidal Lithography. ACS Photonics, 2014, 1, 127-134.	3.2	13
146	Coherent anti-Stokes Raman scattering with single-molecule sensitivity using a plasmonic Fano resonance. Nature Communications, 2014, 5, 4424.	5.8	252
147	Plasmon-Induced Hot Carriers in Metallic Nanoparticles. ACS Nano, 2014, 8, 7630-7638.	7.3	638
148	The Surprising in Vivo Instability of Near-IR-Absorbing Hollow Auâ€“Ag Nanoshells. ACS Nano, 2014, 8, 3222-3231.	7.3	148
149	Tunable Plasmonic Nanoparticles with Catalytically Active High-Index Facets. Nano Letters, 2014, 14, 3674-3682.	4.5	153
150	Robust Subnanometric Plasmon Ruler by Rescaling of the Nonlocal Optical Response. Physical Review Letters, 2013, 110, 263901.	2.9	198
151	Three-Dimensional Plasmonic Nanoclusters. Nano Letters, 2013, 13, 4399-4403.	4.5	168
152	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.	3.3	421
153	Quantum Plasmonics: Optical Properties of a Nanomatryushka. Nano Letters, 2013, 13, 5873-5879.	4.5	88
154	The dark side of the ring. Nature Nanotechnology, 2013, 8, 76-77.	15.6	20
155	Gold Nanobelts as High Confinement Plasmonic Waveguides. Nano Letters, 2013, 13, 6256-6261.	4.5	26
156	Individual Nanoantennas Loaded with Three-Dimensional Optical Nanocircuits. Nano Letters, 2013, 13, 142-147.	4.5	111
157	Plasmonic Radiance: Probing Structure at the Ã…ngstrÃ¶m Scale with Visible Light. Nano Letters, 2013, 13, 497-503.	4.5	108
158	Hot Electrons Do the Impossible: Plasmon-Induced Dissociation of H₂ on Au. Nano Letters, 2013, 13, 240-247.	4.5	1,332
159	Solar Vapor Generation Enabled by Nanoparticles. ACS Nano, 2013, 7, 42-49.	7.3	1,053
160	Gated Tunability and Hybridization of Localized Plasmons in Nanostructured Graphene. ACS Nano, 2013, 7, 2388-2395.	7.3	622
161	Embedding Plasmonic Nanostructure Diodes Enhances Hot Electron Emission. Nano Letters, 2013, 13, 1687-1692.	4.5	283
162	Evolution of Light-Induced Vapor Generation at a Liquid-Immersed Metallic Nanoparticle. Nano Letters, 2013, 13, 1736-1742.	4.5	394

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163	Narrowband photodetection in the near-infrared with a plasmon-induced hot electron device. Nature Communications, 2013, 4, 1643.	5.8	552
164	Geometric Dependence of the Line Width of Localized Surface Plasmon Resonances. Journal of Physical Chemistry Letters, 2013, 4, 1352-1357.	2.1	21
165	Surface-Enhanced Infrared Absorption Using Individual Cross Antennas Tailored to Chemical Moieties. Journal of the American Chemical Society, 2013, 135, 3688-3695.	6.6	212
166	Near-Field Mediated Plexcitonic Coupling and Giant Rabi Splitting in Individual Metallic Dimers. Nano Letters, 2013, 13, 3281-3286.	4.5	445
167	Mechanisms of Fano Resonances in Coupled Plasmonic Systems. ACS Nano, 2013, 7, 4527-4536.	7.3	304
168	Quantum junction plasmons in graphene dimers. Laser and Photonics Reviews, 2013, 7, 297-302.	4.4	14
169	Tunable Molecular Plasmons in Polycyclic Aromatic Hydrocarbons. ACS Nano, 2013, 7, 3635-3643.	7.3	101
170	Orienting Nanoantennas in Three Dimensions To Control Light Scattering Across a Dielectric Interface. Nano Letters, 2013, 13, 5997-6001.	4.5	30
171	Quantum effects and nonlocality in strongly coupled plasmonic nanowire dimers. Optics Express, 2013, 21, 27306.	1.7	149
172	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.	3.3	190
173	Quantum Plasmonics and Plexcitonics. , 2013, , .		0
174	Quantum plasmonics: Symmetry-dependent plasmon-molecule coupling and quantized photoconductances. Physical Review B, 2012, 86, .	1.1	29
175	Bridging quantum and classical plasmonics with a quantum-corrected model. Nature Communications, 2012, 3, 825.	5.8	797
176	Noble Metal Nanowires: From Plasmon Waveguides to Passive and Active Devices. Accounts of Chemical Research, 2012, 45, 1887-1895.	7.6	133
177	Plasmon Transmutation: Inducing New Modes in Nanoclusters by Adding Dielectric Nanoparticles. Nano Letters, 2012, 12, 5020-5026.	4.5	73
178	Identification of Higher Order Long-Propagation-Length Surface Plasmon Polariton Modes in Chemically Prepared Gold Nanowires. ACS Nano, 2012, 6, 8105-8113.	7.3	58
179	A Plasmonic Fano Switch. Nano Letters, 2012, 12, 4977-4982.	4.5	342
180	Tunable plasmon resonances in a metallic nanotipâ€“film system. Nanoscale, 2012, 4, 5931.	2.8	23

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181	Plasmon-Induced Doping of Graphene. ACS Nano, 2012, 6, 10222-10228.	7.3	356
182	Designing and Deconstructing the Fano Lineshape in Plasmonic Nanoclusters. Nano Letters, 2012, 12, 1058-1062.	4.5	205
183	Plasmonic Materials: A Plethora of Plasmonics from the Laboratory for Nanophotonics at Rice University (Adv. Mater. 36/2012). Advanced Materials, 2012, 24, 4774-4774.	11.1	5
184	Aluminum Plasmonic Nanoantennas. Nano Letters, 2012, 12, 6000-6004.	4.5	497
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