

Peter Nordlander

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.

405 papers	63,909 citations	126 h-index	248 g-index
437 ext. papers	70,535 ext. citations	10.2 avg, IF	8.02 L-index

#	Paper	IF	Citations
405	Al@TiO Core-Shell Nanoparticles for Plasmonic Photocatalysis.. <i>ACS Nano</i> , 2022 ,	16.7	6
404	Vacuum ultraviolet nonlinear metalens.. <i>Science Advances</i> , 2022 , 8, eabn5644	14.3	2
403	Plasmon-induced trap filling at grain boundaries in perovskite solar cells. <i>Light: Science and Applications</i> , 2021 , 10, 219	16.7	5
402	Plasmon Energy Transfer in Hybrid Nanoantennas. <i>ACS Nano</i> , 2021 , 15, 9522-9530	16.7	8
401	Thousand-fold Increase in Plasmonic Light Emission via Combined Electronic and Optical Excitations. <i>Nano Letters</i> , 2021 , 21, 2658-2665	11.5	4
400	A 3D Plasmonic Antenna-Reactor for Nanoscale Thermal Hotspots and Gradients. <i>ACS Nano</i> , 2021 , 15, 8761-8769	16.7	12
399	Hot carrier multiplication in plasmonic photocatalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	12
398	UV-Resonant Al Nanocrystals: Synthesis, Silica Coating, and Broadband Photothermal Response. <i>Nano Letters</i> , 2021 , 21, 536-542	11.5	10
397	All-Optically Reconfigurable Plasmonic Metagrating for Ultrafast Diffraction Management. <i>Nano Letters</i> , 2021 , 21, 1345-1351	11.5	7
396	Phonon-Assisted Hot Carrier Generation in Plasmonic Semiconductor Systems. <i>Nano Letters</i> , 2021 , 21, 1083-1089	11.5	11
395	Site-Selective Nanoreactor Deposition on Photocatalytic Al Nanocubes. <i>Nano Letters</i> , 2020 , 20, 4550-4557	11.5	16
394	Electrically Driven Hot-Carrier Generation and Above-Threshold Light Emission in Plasmonic Tunnel Junctions. <i>Nano Letters</i> , 2020 , 20, 6067-6075	11.5	19
393	Plasmon-driven carbon-fluorine (C(sp ³)-F) bond activation with mechanistic insights into hot-carrier-mediated pathways. <i>Nature Catalysis</i> , 2020 , 3, 564-573	36.5	29
392	Polarized evanescent waves reveal trochoidal dichroism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 16143-16148	11.5	8
391	Resonant energy transfer enhances solar thermal desalination. <i>Energy and Environmental Science</i> , 2020 , 13, 968-976	35.4	20
390	Monolithic Metal Dimer-on-Film Structure: New Plasmonic Properties Introduced by the Underlying Metal. <i>Nano Letters</i> , 2020 , 20, 2087-2093	11.5	67
389	Duplicating Plasmonic Hotspots by Matched Nanoantenna Pairs for Remote Nanogap Enhanced Spectroscopy. <i>Nano Letters</i> , 2020 , 20, 3499-3505	11.5	12

388	Light-driven methane dry reforming with single atomic site antenna-reactor plasmonic photocatalysts. <i>Nature Energy</i> , 2020 , 5, 61-70	62.3	213
387	Transient optical symmetry breaking for ultrafast broadband dichroism in plasmonic metasurfaces. <i>Nature Photonics</i> , 2020 , 14, 723-727	33.9	21
386	Giant photothermoelectric effect in silicon nanoribbon photodetectors. <i>Light: Science and Applications</i> , 2020 , 9, 120	16.7	10
385	Aluminum Nanocrystals Grow into Distinct Branched Aluminum Nanowire Morphologies. <i>Nano Letters</i> , 2020 , 20, 6644-6650	11.5	2
384	Morphology-Dependent Reactivity of a Plasmonic Photocatalyst. <i>ACS Nano</i> , 2020 , 14, 12054-12063	16.7	34
383	Increased Intraband Transitions in Smaller Gold Nanorods Enhance Light Emission. <i>ACS Nano</i> , 2020 , 14, 15757-15765	16.7	30
382	Effects of Electronic Structure on Molecular Plasmon Dynamics. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 20450-20457	3.8	6
381	Single-Particle Emission Spectroscopy Resolves d-Hole Relaxation in Copper Nanocubes. <i>ACS Energy Letters</i> , 2019 , 4, 2458-2465	20.1	26
380	Anti-Stokes Emission from Hot Carriers in Gold Nanorods. <i>Nano Letters</i> , 2019 , 19, 1067-1073	11.5	38
379	Efficient Second Harmonic Generation in a Hybrid Plasmonic Waveguide by Mode Interactions. <i>Nano Letters</i> , 2019 , 19, 3838-3845	11.5	24
378	Photocatalytic Hydrogenation of Graphene Using Pd Nanocones. <i>Nano Letters</i> , 2019 , 19, 4413-4419	11.5	26
377	Solar thermal desalination as a nonlinear optical process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 13182-13187	11.5	48
376	Plasmonic Photocatalysis of Nitrous Oxide into N and O Using Aluminum-Iridium Antenna-Reactor Nanoparticles. <i>ACS Nano</i> , 2019 , 13, 8076-8086	16.7	55
375	Response to Comment on "Quantifying hot carrier and thermal contributions in plasmonic photocatalysis". <i>Science</i> , 2019 , 364,	33.3	102
374	Hydrated Electron Generation by Excitation of Copper Localized Surface Plasmon Resonance. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1743-1749	6.4	13
373	Ultrafast Electron Dynamics in Single Aluminum Nanostructures. <i>Nano Letters</i> , 2019 , 19, 3091-3097	11.5	28
372	Metal-organic frameworks tailor the properties of aluminum nanocrystals. <i>Science Advances</i> , 2019 , 5, eaav5340	14.3	50
371	Polydopamine-Stabilized Aluminum Nanocrystals: Aqueous Stability and Benzo[a]pyrene Detection. <i>ACS Nano</i> , 2019 , 13, 3117-3124	16.7	39

370	Aluminum Nanocubes Have Sharp Corners. <i>ACS Nano</i> , 2019 , 13, 9682-9691	16.7	33
369	Plasmon-Mediated Catalytic O ₂ Dissociation on Ag Nanostructures: Hot Electrons or Near Fields?. <i>ACS Energy Letters</i> , 2019 , 4, 1803-1809	20.1	86
368	Generating Third Harmonic Vacuum Ultraviolet Light with a TiO Metasurface. <i>Nano Letters</i> , 2019 , 19, 8972-8978	11.5	32
367	Toroidal Dipole-Enhanced Third Harmonic Generation of Deep Ultraviolet Light Using Plasmonic Meta-atoms. <i>Nano Letters</i> , 2019 , 19, 605-611	11.5	63
366	Ligand-Dependent Colloidal Stability Controls the Growth of Aluminum Nanocrystals. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1716-1724	16.4	24
365	Plasmonic nanoparticle-based epoxy photocuring: A deeper look. <i>Materials Today</i> , 2019 , 27, 14-20	21.8	8
364	Wavelength-Dependent Optical Force Imaging of Bimetallic Al-Au Heterodimers. <i>Nano Letters</i> , 2018 , 18, 2040-2046	11.5	34
363	Photoluminescence of Gold Nanorods: Purcell Effect Enhanced Emission from Hot Carriers. <i>ACS Nano</i> , 2018 , 12, 976-985	16.7	79
362	Aluminum Nanorods. <i>Nano Letters</i> , 2018 , 18, 1234-1240	11.5	54
361	Environmental Symmetry Breaking Promotes Plasmon Mode Splitting in Gold Nanotriangles. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13259-13266	3.8	26
360	Vacuum Ultraviolet Light-Generating Metasurface. <i>Nano Letters</i> , 2018 , 18, 5738-5743	11.5	52
359	Combining Plasmonic Hot Carrier Generation with Free Carrier Absorption for High-Performance Near-Infrared Silicon-Based Photodetection. <i>ACS Photonics</i> , 2018 , 5, 3472-3477	6.3	66
358	Routes to Potentially Safer T Magnetic Resonance Imaging Contrast in a Compact Plasmonic Nanoparticle with Enhanced Fluorescence. <i>ACS Nano</i> , 2018 , 12, 8214-8223	16.7	28
357	Relaxation of Plasmon-Induced Hot Carriers. <i>ACS Photonics</i> , 2018 , 5, 2584-2595	6.3	79
356	Exploiting Evanescent Field Polarization for Giant Chiroptical Modulation from Achiral Gold Half-Rings. <i>ACS Nano</i> , 2018 , 12, 11657-11663	16.7	12
355	Quantifying hot carrier and thermal contributions in plasmonic photocatalysis. <i>Science</i> , 2018 , 362, 69-72	33.3	494
354	Polymer-Directed Growth of Plasmonic Aluminum Nanocrystals. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15412-15418	16.4	33
353	Optical-Force-Dominated Directional Reshaping of Au Nanodisks in Al-Au Heterodimers. <i>Nano Letters</i> , 2018 , 18, 6509-6514	11.5	11

352	A room-temperature mid-infrared photodetector for on-chip molecular vibrational spectroscopy. <i>Applied Physics Letters</i> , 2018 , 113, 101105	3.4	13
351	Lifetime dynamics of plasmons in the few-atom limit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9134-9139	11.5	21
350	Atomic Scale Photodetection Enabled by a Memristive Junction. <i>ACS Nano</i> , 2018 , 12, 6706-6713	16.7	24
349	Multicolor Electrochromic Devices Based on Molecular Plasmonics. <i>ACS Nano</i> , 2017 , 11, 3254-3261	16.7	72
348	Hot Hole Photoelectrochemistry on Au@SiO@Au Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2060-2067	6.4	110
347	Balancing Near-Field Enhancement, Absorption, and Scattering for Effective Antenna-Reactor Plasmonic Photocatalysis. <i>Nano Letters</i> , 2017 , 17, 3710-3717	11.5	155
346	Plasmonic Coupling of Multipolar Edge Modes and the Formation of Gap Modes. <i>ACS Photonics</i> , 2017 , 4, 1558-1565	6.3	22
345	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	11.5	227
344	Plasmon-induced selective carbon dioxide conversion on earth-abundant aluminum-cuprous oxide antenna-reactor nanoparticles. <i>Nature Communications</i> , 2017 , 8, 27	17.4	220
343	Manipulating Coherent Plasmon-Exciton Interaction in a Single Silver Nanorod on Monolayer WSe. <i>Nano Letters</i> , 2017 , 17, 3809-3814	11.5	178
342	Spectral Response of Plasmonic Gold Nanoparticles to Capacitive Charging: Morphology Effects. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2681-2688	6.4	27
341	Doped Silicon Nanocrystal Plasmonics. <i>ACS Photonics</i> , 2017 , 4, 963-970	6.3	37
340	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017 , 11, 2313-2381	16.7	714
339	Optomechanics of Single Aluminum Nanodisks. <i>Nano Letters</i> , 2017 , 17, 2575-2583	11.5	42
338	Transition-Metal Decorated Aluminum Nanocrystals. <i>ACS Nano</i> , 2017 , 11, 10281-10288	16.7	64
337	Vibrational coupling in plasmonic molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 11621-11626	11.5	37
336	Two-Dimensional Active Tuning of an Aluminum Plasmonic Array for Full-Spectrum Response. <i>Nano Letters</i> , 2017 , 17, 6034-6039	11.5	175
335	Theory, Simulation, and Computation in Nanoscience and Nanotechnology. <i>ACS Nano</i> , 2017 , 11, 6505-6506	6.7	7

- 334 Quantifying Remote Heating from Propagating Surface Plasmon Polaritons. *Nano Letters*, **2017**, 17, 5646-5652 10
- 333 Nanogapped Au Antennas for Ultrasensitive Surface-Enhanced Infrared Absorption Spectroscopy. *Nano Letters*, **2017**, 17, 5768-5774 11.5 131
- 332 Oblique Colloidal Lithography for the Fabrication of Nonconcentric Features. *ACS Nano*, **2017**, 11, 6594-6604 11
- 331 How To Identify Plasmons from the Optical Response of Nanostructures. *ACS Nano*, **2017**, 11, 7321-7335 16.7 54
- 330 Enhancing T 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 11.5 62
- 329 Aluminum Nanocrystals: A Sustainable Substrate for Quantitative SERS-Based DNA Detection. *Nano Letters*, **2017**, 17, 5071-5077 11.5 133
- 328 Plasmonic colour generation. *Nature Reviews Materials*, **2017**, 2, 73-83 73.3 435
- 327 Combining Solar Steam Processing and Solar Distillation for Fully Off-Grid Production of Cellulosic Bioethanol. *ACS Energy Letters*, **2017**, 2, 8-13 20.1 52
- 326 Hot Electron Generation and Cathodoluminescence Nanoscopy of Chiral Split Ring Resonators. *Nano Letters*, **2016**, 16, 5183-90 11.5 66
- 325 Heterometallic antenna-reactor complexes for photocatalysis. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 8916-20 11.5 272
- 324 Photoinduced Force Mapping of Plasmonic Nanostructures. *Nano Letters*, **2016**, 16, 7942-7949 11.5 50
- 323 Quantum mechanical effects in plasmonic structures with subnanometre gaps. *Nature Communications*, **2016**, 7, 11495 17.4 453
- 322 Aluminum Nanocrystals as a Plasmonic Photocatalyst for Hydrogen Dissociation. *Nano Letters*, **2016**, 16, 1478-84 11.5 234
- 321 High Chromaticity Aluminum Plasmonic Pixels for Active Liquid Crystal Displays. *ACS Nano*, **2016**, 10, 1108-17 16.7 131
- 320 Asymmetric Aluminum Antennas for Self-Calibrating Surface-Enhanced Infrared Absorption Spectroscopy. *ACS Photonics*, **2016**, 3, 354-360 6.3 89
- 319 Electron Energy-Loss Spectroscopy of Multipolar Edge and Cavity Modes in Silver Nanosquares. *ACS Photonics*, **2016**, 3, 428-433 6.3 38
- 318 Laser-Induced Spectral Hole-Burning through a Broadband Distribution of Au Nanorods. *Journal of Physical Chemistry C*, **2016**, 120, 20518-20524 3.8 21
- 317 Plasmonic Heating in Au Nanowires at Low Temperatures: The Role of Thermal Boundary Resistance. *ACS Nano*, **2016**, 10, 6972-9 16.7 28

316	Extraordinary Light-Induced Local Angular Momentum near Metallic Nanoparticles. <i>ACS Nano</i> , 2016 , 10, 4835-46	16.7	25
315	Toward Surface Plasmon-Enhanced Optical Parametric Amplification (SPOPA) with Engineered Nanoparticles: A Nanoscale Tunable Infrared Source. <i>Nano Letters</i> , 2016 , 16, 3373-8	11.5	35
314	Chiral and Achiral Nanodumbbell Dimers: The Effect of Geometry on Plasmonic Properties. <i>ACS Nano</i> , 2016 , 10, 6180-8	16.7	64
313	Molecular Plasmon-Phonon Coupling. <i>Nano Letters</i> , 2016 , 16, 6390-6395	11.5	12
312	Absorption Spectroscopy of an Individual Fano Cluster. <i>Nano Letters</i> , 2016 , 16, 6497-6503	11.5	32
311	Al-Pd Nanodisk Heterodimers as Antenna-Reactor Photocatalysts. <i>Nano Letters</i> , 2016 , 16, 6677-6682	11.5	154
310	Molecular Plasmonics. <i>Nano Letters</i> , 2015 , 15, 6208-14	11.5	66
309	High-Density 2D Homo- and Hetero- Plasmonic Dimers with Universal Sub-10-nm Gaps. <i>ACS Nano</i> , 2015 , 9, 9331-9	16.7	46
308	Distinguishing between plasmon-induced and photoexcited carriers in a device geometry. <i>Nature Communications</i> , 2015 , 6, 7797	17.4	252
307	Optics and Nonlinear Buckling Mechanics in Large-Area, Highly Stretchable Arrays of Plasmonic Nanostructures. <i>ACS Nano</i> , 2015 , 9, 5968-75	16.7	73
306	Aluminum nanocrystals. <i>Nano Letters</i> , 2015 , 15, 2751-5	11.5	144
305	Tuning the acoustic frequency of a gold nanodisk through its adhesion layer. <i>Nature Communications</i> , 2015 , 6, 7022	17.4	48
304	Fano Resonant Aluminum Nanoclusters for Plasmonic Colorimetric Sensing. <i>ACS Nano</i> , 2015 , 9, 10628-36	16.7	172
303	Nanooptics of Plasmonic Nanomatryoshkas: Shrinking the Size of a Core-Shell Junction to Subnanometer. <i>Nano Letters</i> , 2015 , 15, 6419-28	11.5	106
302	Nanoparticle-Mediated, Light-Induced Phase Separations. <i>Nano Letters</i> , 2015 , 15, 7880-5	11.5	93
301	Active Light Control of the MoS ₂ Monolayer Exciton Binding Energy. <i>ACS Nano</i> , 2015 , 9, 10158-64	16.7	153
300	Pronounced Linewidth Narrowing of an Aluminum Nanoparticle Plasmon Resonance by Interaction with an Aluminum Metallic Film. <i>Nano Letters</i> , 2015 , 15, 6946-51	11.5	125
299	A classical treatment of optical tunneling in plasmonic gaps: extending the quantum corrected model to practical situations. <i>Faraday Discussions</i> , 2015 , 178, 151-83	3.6	119

298	Charge Transfer Plasmons: Optical Frequency Conductances and Tunable Infrared Resonances. <i>ACS Nano</i> , 2015 , 9, 6428-35	16.7	96
297	From tunable core-shell nanoparticles to plasmonic drawbridges: Active control of nanoparticle optical properties. <i>Science Advances</i> , 2015 , 1, e1500988	14.3	127
296	Active quantum plasmonics. <i>Science Advances</i> , 2015 , 1, e1501095	14.3	55
295	Fan-shaped gold nanoantennas above reflective substrates for surface-enhanced infrared absorption (SEIRA). <i>Nano Letters</i> , 2015 , 15, 1272-80	11.5	182
294	Plasmon-induced hot carrier science and technology. <i>Nature Nanotechnology</i> , 2015 , 10, 25-34	28.7	1903
293	The Morphology of Narrow Gaps Modifies the Plasmonic Response. <i>ACS Photonics</i> , 2015 , 2, 295-305	6.3	89
292	Electron Energy-Loss Spectroscopy Calculation in Finite-Difference Time-Domain Package. <i>ACS Photonics</i> , 2015 , 2, 369-375	6.3	54
291	Standing wave plasmon modes interact in an antenna-coupled nanowire. <i>Nano Letters</i> , 2015 , 15, 1324-30	11.5	18
290	Applied physics. Molecular tuning of quantum plasmon resonances. <i>Science</i> , 2014 , 343, 1444-5	33.3	15
289	Fluorescence enhancement of molecules inside a gold nanomatrix. <i>Nano Letters</i> , 2014 , 14, 2926-33	11.5	163
288	Influence of cross sectional geometry on surface plasmon polariton propagation in gold nanowires. <i>ACS Nano</i> , 2014 , 8, 572-80	16.7	34
287	Active tunable absorption enhancement with graphene nanodisk arrays. <i>Nano Letters</i> , 2014 , 14, 299-304	11.5	477
286	Porous Au Nanoparticles with Tunable Plasmon Resonances and Intense Field Enhancements for Single-Particle SERS. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 370-4	6.4	146
285	Aluminum for plasmonics. <i>ACS Nano</i> , 2014 , 8, 834-40	16.7	827
284	Theory of Quantum Plasmon Resonances in Doped Semiconductor Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 16035-16042	3.8	54
283	Impurity-induced plasmon damping in individual cobalt-doped hollow Au nanoshells. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 14056-61	3.4	19
282	Nanoparticles heat through light localization. <i>Nano Letters</i> , 2014 , 14, 4640-5	11.5	320
281	Dye-assisted gain of strongly confined surface plasmon polaritons in silver nanowires. <i>Nano Letters</i> , 2014 , 14, 3628-33	11.5	30

280	Plasmonic hot electron induced structural phase transition in a MoS2 monolayer. <i>Advanced Materials</i> , 2014 , 26, 6467-71	24	429
279	Hot-electron-induced dissociation of H2 on gold nanoparticles supported on SiO2. <i>Journal of the American Chemical Society</i> , 2014 , 136, 64-7	16.4	375
278	Color-selective and CMOS-compatible photodetection based on aluminum plasmonics. <i>Advanced Materials</i> , 2014 , 26, 6318-23	24	144
277	Vivid, full-color aluminum plasmonic pixels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14348-53	11.5	243
276	Fabrication of Split-Rings via Stretchable Colloidal Lithography. <i>ACS Photonics</i> , 2014 , 1, 127-134	6.3	11
275	Coherent anti-Stokes Raman scattering with single-molecule sensitivity using a plasmonic Fano resonance. <i>Nature Communications</i> , 2014 , 5, 4424	17.4	201
274	Plasmon-induced hot carriers in metallic nanoparticles. <i>ACS Nano</i> , 2014 , 8, 7630-8	16.7	499
273	The surprising in vivo instability of near-IR-absorbing hollow Au-Ag nanoshells. <i>ACS Nano</i> , 2014 , 8, 3222-31	16.7	131
272	Tunable plasmonic nanoparticles with catalytically active high-index facets. <i>Nano Letters</i> , 2014 , 14, 3674-82	11.5	131
271	Robust subnanometric plasmon ruler by rescaling of the nonlocal optical response. <i>Physical Review Letters</i> , 2013 , 110, 263901	7.4	173
270	Three-dimensional plasmonic nanoclusters. <i>Nano Letters</i> , 2013 , 13, 4399-403	11.5	148
269	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, 11677-81	11.5	352
268	Quantum plasmonics: optical properties of a nanomatriushka. <i>Nano Letters</i> , 2013 , 13, 5873-9	11.5	79
267	Plasmonics: The dark side of the ring. <i>Nature Nanotechnology</i> , 2013 , 8, 76-7	28.7	18
266	Gold nanobelts as high confinement plasmonic waveguides. <i>Nano Letters</i> , 2013 , 13, 6256-61	11.5	25
265	Individual nanoantennas loaded with three-dimensional optical nanocircuits. <i>Nano Letters</i> , 2013 , 13, 1421-5	11.5	94
264	Plasmonic radiance: probing structure at the nanoscale with visible light. <i>Nano Letters</i> , 2013 , 13, 497-503	11.5	94
263	Hot electrons do the impossible: plasmon-induced dissociation of H2 on Au. <i>Nano Letters</i> , 2013 , 13, 240-7	11.5	1091

262	Solar vapor generation enabled by nanoparticles. <i>ACS Nano</i> , 2013 , 7, 42-9	16.7	882
261	Gated tunability and hybridization of localized plasmons in nanostructured graphene. <i>ACS Nano</i> , 2013 , 7, 2388-95	16.7	534
260	Embedding plasmonic nanostructure diodes enhances hot electron emission. <i>Nano Letters</i> , 2013 , 13, 1687-92	11.5	244
259	Evolution of light-induced vapor generation at a liquid-immersed metallic nanoparticle. <i>Nano Letters</i> , 2013 , 13, 1736-42	11.5	346
258	Narrowband photodetection in the near-infrared with a plasmon-induced hot electron device. <i>Nature Communications</i> , 2013 , 4, 1643	17.4	425
257	Geometric Dependence of the Line Width of Localized Surface Plasmon Resonances. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 1352-7	6.4	20
256	Surface-enhanced infrared absorption using individual cross antennas tailored to chemical moieties. <i>Journal of the American Chemical Society</i> , 2013 , 135, 3688-95	16.4	175
255	Near-field mediated plexcitonic coupling and giant Rabi splitting in individual metallic dimers. <i>Nano Letters</i> , 2013 , 13, 3281-6	11.5	365
254	Mechanisms of Fano resonances in coupled plasmonic systems. <i>ACS Nano</i> , 2013 , 7, 4527-36	16.7	264
253	Quantum junction plasmons in graphene dimers. <i>Laser and Photonics Reviews</i> , 2013 , 7, 297-302	8.3	14
252	Tunable molecular plasmons in polycyclic aromatic hydrocarbons. <i>ACS Nano</i> , 2013 , 7, 3635-43	16.7	89
251	Orienting nanoantennas in three dimensions to control light scattering across a dielectric interface. <i>Nano Letters</i> , 2013 , 13, 5997-6001	11.5	26
250	Quantum effects and nonlocality in strongly coupled plasmonic nanowire dimers. <i>Optics Express</i> , 2013 , 21, 27306-25	3.3	127
249	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, 9215-9	11.5	180
248	Bridging quantum and classical plasmonics with a quantum-corrected model. <i>Nature Communications</i> , 2012 , 3, 825	17.4	675
247	Noble metal nanowires: from plasmon waveguides to passive and active devices. <i>Accounts of Chemical Research</i> , 2012 , 45, 1887-95	24.3	119
246	Plasmon transmutation: inducing new modes in nanoclusters by adding dielectric nanoparticles. <i>Nano Letters</i> , 2012 , 12, 5020-6	11.5	68
245	Identification of higher order long-propagation-length surface plasmon polariton modes in chemically prepared gold nanowires. <i>ACS Nano</i> , 2012 , 6, 8105-13	16.7	53

244	A plasmonic Fano switch. <i>Nano Letters</i> , 2012 , 12, 4977-82	11.5	291
243	Tunable plasmon resonances in a metallic nanotip-film system. <i>Nanoscale</i> , 2012 , 4, 5931-5	7.7	19
242	Plasmon-induced doping of graphene. <i>ACS Nano</i> , 2012 , 6, 10222-8	16.7	317
241	Designing and deconstructing the Fano lineshape in plasmonic nanoclusters. <i>Nano Letters</i> , 2012 , 12, 1058-62	11.5	187
240	Plasmonic Materials: A Plethora of Plasmonics from the Laboratory for Nanophotonics at Rice University (Adv. Mater. 36/2012). <i>Advanced Materials</i> , 2012 , 24, 4774-4774	24	4
239	Aluminum plasmonic nanoantennas. <i>Nano Letters</i> , 2012 , 12, 6000-4	11.5	430
238	Quantum plasmonics: nonlinear effects in the field enhancement of a plasmonic nanoparticle dimer. <i>Nano Letters</i> , 2012 , 12, 1333-9	11.5	378
237	Plasmonic nanoclusters: near field properties of the Fano resonance interrogated with SERS. <i>Nano Letters</i> , 2012 , 12, 1660-7	11.5	392
236	Plasmon blockade in nanostructured graphene. <i>ACS Nano</i> , 2012 , 6, 1724-31	16.7	56
235	Plasmonic mode engineering with templated self-assembled nanoclusters. <i>Nano Letters</i> , 2012 , 12, 5318-24	11.5	97
234	Magnetic plasmon formation and propagation in artificial aromatic molecules. <i>Nano Letters</i> , 2012 , 12, 364-9	11.5	107
233	Fabrication of elliptical nanorings with highly tunable and multiple plasmonic resonances. <i>Nano Letters</i> , 2012 , 12, 4881-8	11.5	56
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45	An endohedral metallocarbohedrene C@Ti8C12. <i>Chemical Physics Letters</i> , 1994 , 224, 439-444	2.5	16
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43	A density functional study of small alkali halide systems. <i>Journal of Chemical Physics</i> , 1994 , 101, 8903-8907	3.7	12
42	Anisotropic charge transfer between hydrogenic states and a metallic substrate. <i>Physical Review B</i> , 1993 , 47, 4142-4145	3.3	5
41	Electronic structure of the hollow-cage M8X12 clusters. <i>Journal of Chemical Physics</i> , 1993 , 99, 5301-5305	3.9	41
40	Crystallographic dependence of recoiled O ⁻ ion fractions from Ni{100}-c(2 x 2)-O and NiO{100} surfaces. <i>Physical Review B</i> , 1993 , 47, 2369-2377	3.3	12
39	Intra-atomic correlation effects in charge transfer. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1993 , 78, 11-19	1.2	5
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37	Lifetimes of negative-ion states near metal surfaces. <i>Physical Review B</i> , 1992 , 46, 2584-2590	3.3	77
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34	Electronic structure of small GaAs clusters. <i>Journal of Chemical Physics</i> , 1991 , 94, 8015-8020	3.9	115
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15	Calculating Barriers to Oxygen Penetration on Metal Oxides with the Effective-Medium Theory. <i>Materials Research Society Symposia Proceedings</i> , 1988 , 141, 279		
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