

Naomi J Halas

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.

382
papers

80,926
citations

143
h-index

282
g-index

418
ext. papers

88,807
ext. citations

11
avg, IF

8.2
L-index

#	Paper	IF	Citations
382	Al@TiO Core-Shell Nanoparticles for Plasmonic Photocatalysis.. <i>ACS Nano</i> , 2022 ,	16.7	6
381	Vacuum ultraviolet nonlinear metalens.. <i>Science Advances</i> , 2022 , 8, eabn5644	14.3	2
380	A 3D Plasmonic Antenna-Reactor for Nanoscale Thermal Hotspots and Gradients. <i>ACS Nano</i> , 2021 , 15, 8761-8769	16.7	12
379	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
378	UV-Resonant Al Nanocrystals: Synthesis, Silica Coating, and Broadband Photothermal Response. <i>Nano Letters</i> , 2021 , 21, 536-542	11.5	10
377	Utilizing the Broad Electromagnetic Spectrum and Unique Nanoscale Properties for Chemical-Free Water Treatment. <i>Current Opinion in Chemical Engineering</i> , 2021 , 33, 100709-100709	5.4	0
376	Site-Selective Nanoreactor Deposition on Photocatalytic Al Nanocubes. <i>Nano Letters</i> , 2020 , 20, 4550-4557	11.5	16
375	Plasmon-enabled degradation of organic micropollutants in water by visible-light illumination of Janus gold nanorods. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 15473-15481	11.5	17
374	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
373	Resonant energy transfer enhances solar thermal desalination. <i>Energy and Environmental Science</i> , 2020 , 13, 968-976	35.4	20
372	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
371	Duplicating Plasmonic Hotspots by Matched Nanoantenna Pairs for Remote Nanogap Enhanced Spectroscopy. <i>Nano Letters</i> , 2020 , 20, 3499-3505	11.5	12
370	Acoustic Vibrations of Al Nanocrystals: Size, Shape, and Crystallinity Revealed by Single-Particle Transient Extinction Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 3924-3934	2.8	9
369	Light-driven methane dry reforming with single atomic site antenna-reactor plasmonic photocatalysts. <i>Nature Energy</i> , 2020 , 5, 61-70	62.3	213
368	Aluminum Nanocrystals Grow into Distinct Branched Aluminum Nanowire Morphologies. <i>Nano Letters</i> , 2020 , 20, 6644-6650	11.5	2
367	Morphology-Dependent Reactivity of a Plasmonic Photocatalyst. <i>ACS Nano</i> , 2020 , 14, 12054-12063	16.7	34
366	Shining Light on Aluminum Nanoparticle Synthesis. <i>Accounts of Chemical Research</i> , 2020 , 53, 2020-2030	24.3	12

365	Effects of Electronic Structure on Molecular Plasmon Dynamics. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 20450-20457	3.8	6
364	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	11.5	331
363	Impact of chemical interface damping on surface plasmon dephasing. <i>Faraday Discussions</i> , 2019 , 214, 59-72	3.6	36
362	Spiers Memorial Lecture. Introductory lecture: Hot-electron science and microscopic processes in plasmonics and catalysis. <i>Faraday Discussions</i> , 2019 , 214, 13-33	3.6	16
361	Efficient Second Harmonic Generation in a Hybrid Plasmonic Waveguide by Mode Interactions. <i>Nano Letters</i> , 2019 , 19, 3838-3845	11.5	24
360	Quantitative analysis of gas phase molecular constituents using frequency-modulated rotational spectroscopy. <i>Review of Scientific Instruments</i> , 2019 , 90, 053110	1.7	4
359	Photocatalytic Hydrogenation of Graphene Using Pd Nanocones. <i>Nano Letters</i> , 2019 , 19, 4413-4419	11.5	26
358	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
357	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
356	Light-Driven Chemical Looping for Ammonia Synthesis. <i>ACS Energy Letters</i> , 2019 , 4, 1505-1512	20.1	29
355	Theory of hot electrons: general discussion. <i>Faraday Discussions</i> , 2019 , 214, 245-281	3.6	15
354	Dynamics of hot electron generation in metallic nanostructures: general discussion. <i>Faraday Discussions</i> , 2019 , 214, 123-146	3.6	13
353	New materials for hot electron generation: general discussion. <i>Faraday Discussions</i> , 2019 , 214, 365-386	3.6	4
352	Response to Comment on "Quantifying hot carrier and thermal contributions in plasmonic photocatalysis". <i>Science</i> , 2019 , 364,	33.3	102
351	Ultrafast Electron Dynamics in Single Aluminum Nanostructures. <i>Nano Letters</i> , 2019 , 19, 3091-3097	11.5	28
350	Metal-organic frameworks tailor the properties of aluminum nanocrystals. <i>Science Advances</i> , 2019 , 5, eaav5340	14.3	50
349	Polydopamine-Stabilized Aluminum Nanocrystals: Aqueous Stability and Benzo[a]pyrene Detection. <i>ACS Nano</i> , 2019 , 13, 3117-3124	16.7	39
348	Aluminum Nanocubes Have Sharp Corners. <i>ACS Nano</i> , 2019 , 13, 9682-9691	16.7	33

347	Plasmonics sheds light on the nanotechnology of daguerreotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 13724-13726	11.5	1
346	Generating Third Harmonic Vacuum Ultraviolet Light with a TiO Metasurface. <i>Nano Letters</i> , 2019 , 19, 8972-8978	11.5	32
345	Toward a Nanophotonic Nose: A Compressive Sensing-Enhanced, Optoelectronic Mid-Infrared Spectrometer. <i>ACS Photonics</i> , 2019 , 6, 79-86	6.3	12
344	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
343	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
342	Plasmonic nanoparticle-based epoxy photocuring: A deeper look. <i>Materials Today</i> , 2019 , 27, 14-20	21.8	8
341	Absorption-enhanced imaging through scattering media using carbon black nano-particles: from visible to near infrared wavelengths. <i>Journal of Optics (United Kingdom)</i> , 2018 , 20, 054001	1.7	5
340	Wavelength-Dependent Optical Force Imaging of Bimetallic Al-Au Heterodimers. <i>Nano Letters</i> , 2018 , 18, 2040-2046	11.5	34
339	Aluminum Nanorods. <i>Nano Letters</i> , 2018 , 18, 1234-1240	11.5	54
338	Polycrystallinity of Lithographically Fabricated Plasmonic Nanostructures Dominates Their Acoustic Vibrational Damping. <i>Nano Letters</i> , 2018 , 18, 3494-3501	11.5	25
337	Work Function-Driven Hot Electron Extraction in a Bimetallic Plasmonic MIM Device. <i>ACS Photonics</i> , 2018 , 5, 1202-1207	6.3	6
336	Emerging opportunities for nanotechnology to enhance water security. <i>Nature Nanotechnology</i> , 2018 , 13, 634-641	28.7	381
335	Vacuum Ultraviolet Light-Generating Metasurface. <i>Nano Letters</i> , 2018 , 18, 5738-5743	11.5	52
334	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
333	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
332	A Combined Experimental and Theoretical Approach to Measure Spatially Resolved Local Surface Plasmon Resonances in Aluminum Nanocrystals. <i>Microscopy and Microanalysis</i> , 2018 , 24, 1682-1683	0.5	1
331	Quantifying hot carrier and thermal contributions in plasmonic photocatalysis. <i>Science</i> , 2018 , 362, 69-72	33.3	494
330	Polymer-Directed Growth of Plasmonic Aluminum Nanocrystals. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15412-15418	16.4	33

329	Optical-Force-Dominated Directional Reshaping of Au Nanodisks in Al-Au Heterodimers. <i>Nano Letters</i> , 2018 , 18, 6509-6514	11.5	11
328	A room-temperature mid-infrared photodetector for on-chip molecular vibrational spectroscopy. <i>Applied Physics Letters</i> , 2018 , 113, 101105	3.4	13
327	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
326	Monitoring Chemical Reactions with Terahertz Rotational Spectroscopy. <i>ACS Photonics</i> , 2018 , 5, 3097-3106	10.6	18
325	Multicolor Electrochromic Devices Based on Molecular Plasmonics. <i>ACS Nano</i> , 2017 , 11, 3254-3261	16.7	72
324	Hot Hole Photoelectrochemistry on Au@SiO@Au Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2060-2067	6.4	110
323	Balancing Near-Field Enhancement, Absorption, and Scattering for Effective Antenna-Reactor Plasmonic Photocatalysis. <i>Nano Letters</i> , 2017 , 17, 3710-3717	11.5	155
322	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
321	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
320	Gold coated iron phosphide core-shell structures. <i>RSC Advances</i> , 2017 , 7, 25848-25854	3.7	5
319	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017 , 11, 2313-2381	16.7	714
318	Optomechanics of Single Aluminum Nanodisks. <i>Nano Letters</i> , 2017 , 17, 2575-2583	11.5	42
317	Transition-Metal Decorated Aluminum Nanocrystals. <i>ACS Nano</i> , 2017 , 11, 10281-10288	16.7	64
316	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
315	Two-Dimensional Active Tuning of an Aluminum Plasmonic Array for Full-Spectrum Response. <i>Nano Letters</i> , 2017 , 17, 6034-6039	11.5	175
314	Nanogapped Au Antennas for Ultrasensitive Surface-Enhanced Infrared Absorption Spectroscopy. <i>Nano Letters</i> , 2017 , 17, 5768-5774	11.5	131
313	Near-infrared remotely triggered drug-release strategies for cancer treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 12419-12424	11.5	54
312	Enhancing T magnetic resonance imaging contrast with internalized gadolinium(III) in a multilayer nanoparticle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6960-6965	11.5	62

311	Aluminum Nanocrystals: A Sustainable Substrate for Quantitative SERS-Based DNA Detection. <i>Nano Letters</i> , 2017 , 17, 5071-5077	11.5	133
310	Understanding Resonant Light-Triggered DNA Release from Plasmonic Nanoparticles. <i>ACS Nano</i> , 2017 , 11, 171-179	16.7	73
309	Plasmonic colour generation. <i>Nature Reviews Materials</i> , 2017 , 2,	73.3	435
308	Combining Solar Steam Processing and Solar Distillation for Fully Off-Grid Production of Cellulosic Bioethanol. <i>ACS Energy Letters</i> , 2017 , 2, 8-13	20.1	52
307	Heterometallic antenna-reactor complexes for photocatalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 8916-20	11.5	272
306	Photoinduced Force Mapping of Plasmonic Nanostructures. <i>Nano Letters</i> , 2016 , 16, 7942-7949	11.5	50
305	Walking the Walk: A Giant Step toward Sustainable Plasmonics. <i>ACS Nano</i> , 2016 , 10, 9772-9775	16.7	30
304	Layer Engineering of 2D Semiconductor Junctions. <i>Advanced Materials</i> , 2016 , 28, 5126-32	24	53
303	Aluminum Nanocrystals as a Plasmonic Photocatalyst for Hydrogen Dissociation. <i>Nano Letters</i> , 2016 , 16, 1478-84	11.5	234
302	High Chromaticity Aluminum Plasmonic Pixels for Active Liquid Crystal Displays. <i>ACS Nano</i> , 2016 , 10, 1108-17	16.7	131
301	Asymmetric Aluminum Antennas for Self-Calibrating Surface-Enhanced Infrared Absorption Spectroscopy. <i>ACS Photonics</i> , 2016 , 3, 354-360	6.3	89
300	Laser-Induced Spectral Hole-Burning through a Broadband Distribution of Au Nanorods. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 20518-20524	3.8	21
299	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
298	Imaging through plasmonic nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 5558-63	11.5	20
297	Molecular Plasmon-Phonon Coupling. <i>Nano Letters</i> , 2016 , 16, 6390-6395	11.5	12
296	Absorption Spectroscopy of an Individual Fano Cluster. <i>Nano Letters</i> , 2016 , 16, 6497-6503	11.5	32
295	Absorption-Induced Image Resolution Enhancement in Scattering Media. <i>ACS Photonics</i> , 2016 , 3, 1787-1793	11.5	14
294	Al-Pd Nanodisk Heterodimers as Antenna-Reactor Photocatalysts. <i>Nano Letters</i> , 2016 , 16, 6677-6682	11.5	154

293	Fractal nanoparticle plasmonics: the Cayley tree. <i>ACS Nano</i> , 2015 , 9, 3284-92	16.7	75
292	Molecular Plasmonics. <i>Nano Letters</i> , 2015 , 15, 6208-14	11.5	66
291	Distinguishing between plasmon-induced and photoexcited carriers in a device geometry. <i>Nature Communications</i> , 2015 , 6, 7797	17.4	252
290	Aluminum nanocrystals. <i>Nano Letters</i> , 2015 , 15, 2751-5	11.5	144
289	Tuning the acoustic frequency of a gold nanodisk through its adhesion layer. <i>Nature Communications</i> , 2015 , 6, 7022	17.4	48
288	An Atomically Layered InSe Avalanche Photodetector. <i>Nano Letters</i> , 2015 , 15, 3048-55	11.5	201
287	Fano Resonant Aluminum Nanoclusters for Plasmonic Colorimetric Sensing. <i>ACS Nano</i> , 2015 , 9, 10628-36	16.7	172
286	Nanoparticle-Mediated, Light-Induced Phase Separations. <i>Nano Letters</i> , 2015 , 15, 7880-5	11.5	93
285	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
284	Optoelectronic memory using two-dimensional materials. <i>Nano Letters</i> , 2015 , 15, 259-65	11.5	128
283	Charge Transfer Plasmons: Optical Frequency Conductances and Tunable Infrared Resonances. <i>ACS Nano</i> , 2015 , 9, 6428-35	16.7	96
282	From tunable core-shell nanoparticles to plasmonic drawbridges: Active control of nanoparticle optical properties. <i>Science Advances</i> , 2015 , 1, e1500988	14.3	127
281	Fan-shaped gold nanoantennas above reflective substrates for surface-enhanced infrared absorption (SEIRA). <i>Nano Letters</i> , 2015 , 15, 1272-80	11.5	182
280	Plasmon-induced hot carrier science and technology. <i>Nature Nanotechnology</i> , 2015 , 10, 25-34	28.7	1903
279	Standing wave plasmon modes interact in an antenna-coupled nanowire. <i>Nano Letters</i> , 2015 , 15, 1324-30	11.5	18
278	Fluorescence enhancement of molecules inside a gold nanomatryoshka. <i>Nano Letters</i> , 2014 , 14, 2926-33	11.5	163
277	Active tunable absorption enhancement with graphene nanodisk arrays. <i>Nano Letters</i> , 2014 , 14, 299-304	11.5	477
276	Enhancing the photocurrent and photoluminescence of single crystal monolayer MoS ₂ with resonant plasmonic nanoshells. <i>Applied Physics Letters</i> , 2014 , 104, 031112	3.4	182

275	Aluminum for plasmonics. <i>ACS Nano</i> , 2014 , 8, 834-40	16.7	827
274	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
273	Nanoparticles heat through light localization. <i>Nano Letters</i> , 2014 , 14, 4640-5	11.5	320
272	Plasmonic hot electron induced structural phase transition in a MoS ₂ monolayer. <i>Advanced Materials</i> , 2014 , 26, 6467-71	24	429
271	Sub-100nm gold nanomatryoshkas improve photo-thermal therapy efficacy in large and highly aggressive triple negative breast tumors. <i>Journal of Controlled Release</i> , 2014 , 191, 90-97	11.7	71
270	Hot-electron-induced dissociation of H ₂ on gold nanoparticles supported on SiO ₂ . <i>Journal of the American Chemical Society</i> , 2014 , 136, 64-7	16.4	375
269	Color-selective and CMOS-compatible photodetection based on aluminum plasmonics. <i>Advanced Materials</i> , 2014 , 26, 6318-23	24	144
268	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
267	Coherent anti-Stokes Raman scattering with single-molecule sensitivity using a plasmonic Fano resonance. <i>Nature Communications</i> , 2014 , 5, 4424	17.4	201
266	Targeting pancreatic cancer with magneto-fluorescent theranostic gold nanoshells. <i>Nanomedicine</i> , 2014 , 9, 1209-22	5.6	55
265	The surprising in vivo instability of near-IR-absorbing hollow Au-Ag nanoshells. <i>ACS Nano</i> , 2014 , 8, 3222-31	16.7	131
264	Au nanomatryoshkas as efficient near-infrared photothermal transducers for cancer treatment: benchmarking against nanoshells. <i>ACS Nano</i> , 2014 , 8, 6372-81	16.7	283
263	Ternary CuIn ₇ Se ₁₁ : towards ultra-thin layered photodetectors and photovoltaic devices. <i>Advanced Materials</i> , 2014 , 26, 7666-72	24	37
262	Three-dimensional plasmonic nanoclusters. <i>Nano Letters</i> , 2013 , 13, 4399-403	11.5	148
261	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
260	Anomalously Strong Electric Near-Field Enhancements at Defect Sites on Au Nanoshells Observed by Ultrafast Scanning Photoemission Imaging Microscopy. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 22545-22559	3.8	14
259	Individual nanoantennas loaded with three-dimensional optical nanocircuits. <i>Nano Letters</i> , 2013 , 13, 1427-11.5	11.5	94
258	Hot electrons do the impossible: plasmon-induced dissociation of H ₂ on Au. <i>Nano Letters</i> , 2013 , 13, 240-7	11.5	1091

257	Solar vapor generation enabled by nanoparticles. <i>ACS Nano</i> , 2013 , 7, 42-9	16.7	882
256	Light-triggered biocatalysis using thermophilic enzyme-gold nanoparticle complexes. <i>ACS Nano</i> , 2013 , 7, 654-63	16.7	64
255	Gated tunability and hybridization of localized plasmons in nanostructured graphene. <i>ACS Nano</i> , 2013 , 7, 2388-95	16.7	534
254	Dark plasmons in hot spot generation and polarization in interelectrode nanoscale junctions. <i>Nano Letters</i> , 2013 , 13, 1359-64	11.5	81
253	Embedding plasmonic nanostructure diodes enhances hot electron emission. <i>Nano Letters</i> , 2013 , 13, 1687-92	11.5	244
252	Evolution of light-induced vapor generation at a liquid-immersed metallic nanoparticle. <i>Nano Letters</i> , 2013 , 13, 1736-42	11.5	346
251	Narrowband photodetection in the near-infrared with a plasmon-induced hot electron device. <i>Nature Communications</i> , 2013 , 4, 1643	17.4	425
250	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
249	Near-field mediated plexcitonic coupling and giant Rabi splitting in individual metallic dimers. <i>Nano Letters</i> , 2013 , 13, 3281-6	11.5	365
248	Using Catalytic and Surface-Enhanced Raman Spectroscopy-Active Gold Nanoshells to Understand the Role of Basicity in Glycerol Oxidation. <i>ACS Catalysis</i> , 2013 , 3, 2430-2435	13.1	37
247	Orienting nanoantennas in three dimensions to control light scattering across a dielectric interface. <i>Nano Letters</i> , 2013 , 13, 5997-6001	11.5	26
246	Substrate-mediated charge transfer plasmons in simple and complex nanoparticle clusters. <i>Nanoscale</i> , 2013 , 5, 9897-901	7.7	42
245	Surface-enhanced Raman spectroscopy: Substrates and materials for research and applications. <i>MRS Bulletin</i> , 2013 , 38, 607-611	3.2	34
244	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
243	Tunable optical tweezers for wavelength-dependent measurements. <i>Review of Scientific Instruments</i> , 2012 , 83, 043114	1.7	10
242	Noble metal nanowires: from plasmon waveguides to passive and active devices. <i>Accounts of Chemical Research</i> , 2012 , 45, 1887-95	24.3	119
241	Plasmon transmutation: inducing new modes in nanoclusters by adding dielectric nanoparticles. <i>Nano Letters</i> , 2012 , 12, 5020-6	11.5	68
240	A plasmonic Fano switch. <i>Nano Letters</i> , 2012 , 12, 4977-82	11.5	291

239	Plasmon-induced doping of graphene. <i>ACS Nano</i> , 2012 , 6, 10222-8	16.7	317
238	Designing and deconstructing the Fano lineshape in plasmonic nanoclusters. <i>Nano Letters</i> , 2012 , 12, 1058-62	11.5	187
237	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
236	Aluminum plasmonic nanoantennas. <i>Nano Letters</i> , 2012 , 12, 6000-4	11.5	430
235	Plasmonic nanoclusters: near field properties of the Fano resonance interrogated with SERS. <i>Nano Letters</i> , 2012 , 12, 1660-7	11.5	392
234	Gene silencing by gold nanoshell-mediated delivery and laser-triggered release of antisense oligonucleotide and siRNA. <i>ACS Nano</i> , 2012 , 6, 7681-91	16.7	226
233	Calibrating the imaging and therapy performance of magneto-fluorescent gold nanoshells for breast cancer 2012 ,		1
232	Delivery of nanoparticles to brain metastases of breast cancer using a cellular Trojan horse. <i>Cancer Nanotechnology</i> , 2012 , 3, 47-54	7.9	114
231	Water-Phase Synthesis of Cationic Silica/Polyamine Nanoparticles. <i>Chemistry of Materials</i> , 2012 , 24, 1426-9	14.33	9
230	Magnetic plasmon formation and propagation in artificial aromatic molecules. <i>Nano Letters</i> , 2012 , 12, 364-9	11.5	107
229	Near-normal incidence dark-field microscopy: applications to nanoplasmonic spectroscopy. <i>Nano Letters</i> , 2012 , 12, 2817-21	11.5	52
228	Manipulating magnetic plasmon propagation in metallic nanocluster networks. <i>ACS Nano</i> , 2012 , 6, 5482-6	16.7	85
227	A plethora of plasmonics from the laboratory for nanophotonics at Rice University. <i>Advanced Materials</i> , 2012 , 24, 4842-77, 4774	24	76
226	Graphene-antenna sandwich photodetector. <i>Nano Letters</i> , 2012 , 12, 3808-13	11.5	540
225	Electrical conductivity of cationized ferritin decorated gold nanoshells. <i>Journal of Applied Physics</i> , 2012 , 111, 124311	2.5	1
224	Orientation-preserving transfer and directional light scattering from individual light-bending nanoparticles. <i>Nano Letters</i> , 2011 , 11, 1838-44	11.5	51
223	Plexciton dynamics: exciton-plasmon coupling in a J-aggregate-Au nanoshell complex provides a mechanism for nonlinearity. <i>Nano Letters</i> , 2011 , 11, 1556-60	11.5	219
222	Three-dimensional nanostructures as highly efficient generators of second harmonic light. <i>Nano Letters</i> , 2011 , 11, 5519-23	11.5	246

221	Plasmons in strongly coupled metallic nanostructures. <i>Chemical Reviews</i> , 2011 , 111, 3913-61	68.1	2348
220	Calibrating the photo-thermal response of magneto-fluorescent gold nanoshells. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 4776-9	0.9	1
219	Removing a wedge from a metallic nanodisk reveals a fano resonance. <i>Nano Letters</i> , 2011 , 11, 4475-9	11.5	181
218	Theranostic nanoshells: from probe design to imaging and treatment of cancer. <i>Accounts of Chemical Research</i> , 2011 , 44, 936-46	24.3	751
217	Quantum dot-based local field imaging reveals plasmon-based interferometric logic in silver nanowire networks. <i>Nano Letters</i> , 2011 , 11, 471-5	11.5	226
216	Angle- and spectral-dependent light scattering from plasmonic nanocups. <i>ACS Nano</i> , 2011 , 5, 7254-62	16.7	85
215	Photodetection with active optical antennas. <i>Science</i> , 2011 , 332, 702-4	33.3	1465
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