

Olivier J F Martin

List of Publications by Year in descending order

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279
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all docs

280
docs citations

280
times ranked

12193
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling of second-order nonlinear metasurfaces. New Journal of Physics, 2022, 24, 025006.	2.9	4
2	Precise Capillary-Assisted Nanoparticle Assembly in Reusable Templates. Particle and Particle Systems Characterization, 2022, 39, .	2.3	1
3	Review-Origin and Promotional Effects of Plasmonics in Photocatalysis. Journal of the Electrochemical Society, 2022, 169, 036512.	2.9	4
4	A Low-Temperature Annealing Method for Alloy Nanostructures and Metasurfaces: Unlocking a Novel Degree of Freedom. Advanced Materials, 2022, 34, e2108225.	21.0	14
5	Remarkable Color Gamut Enhancement of Dye Lacquers Using Corrugated Surfaces. Advanced Photonics Research, 2022, 3, 2100245.	3.6	1
6	Surfactants Control Optical Trapping near a Glass Wall. Journal of Physical Chemistry C, 2022, 126, 378-386.	3.1	4
7	Robustness Analysis of Metasurfaces: Perfect Structures Are Not Always the Best. ACS Photonics, 2022, 9, 2438-2447.	6.6	2
8	Hot carrier-mediated avalanche multiphoton photoluminescence from coupled Au-Al nanoantennas. Journal of Chemical Physics, 2021, 154, 074701.	3.0	6
9	Role of electric currents in the Fano resonances of connected plasmonic structures. Optics Express, 2021, 29, 11635.	3.4	5
10	Narrowband Optical Coupler Using Fano Interference in First Order Diffraction. ACS Photonics, 2021, 8, 2017-2026.	6.6	2
11	Multipolar scattering analysis of hybrid metal-dielectric nanostructures. Optics Express, 2021, 29, 24056.	3.4	7
12	Multipolar scattering analysis of a hybrid metal-dielectric stacked nanoantenna. , 2021, , .		0
13	Second harmonic generation in glass-based metasurfaces using tailored surface lattice resonances. Nanophotonics, 2021, 10, 3465-3475.	6.0	8
14	Fabrication of plasmonic structures with well-controlled nanometric features: a comparison between lift-off and ion beam etching. Nanotechnology, 2021, 32, 475202.	2.6	14
15	Fundamental Properties and Classification of Polarization Converting Bianisotropic Metasurfaces. IEEE Transactions on Antennas and Propagation, 2021, 69, 5653-5663.	5.1	24
16	Successive training of a generative adversarial network for the design of an optical cloak. OSA Continuum, 2021, 4, 87.	1.8	18
17	Extension of Lorentz reciprocity and Poynting theorems for spatially dispersive media with quadrupolar responses. Physical Review B, 2021, 104, .	3.2	15
18	Engineering multi-state transparency on demand. Light Advanced Manufacturing, 2021, 2, 1.	5.1	4

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19	Angular Scattering Properties of Metasurfaces. IEEE Transactions on Antennas and Propagation, 2020, 68, 432-442.	5.1	31
20	Hybrid Metal-Dielectric Metasurfaces for Refractive Index Sensing. Nano Letters, 2020, 20, 8752-8759.	9.1	39
21	Multipolar origin of electromagnetic transverse force resulting from two-wave interference. Physical Review B, 2020, 102, .	3.2	12
22	Sampling Optical Modes and Electronic States with Fast, Monochromated EELS. Microscopy and Microanalysis, 2020, 26, 1754-1755.	0.4	0
23	Reliable Langmuir Blodgett colloidal masks for large area nanostructure realization. Thin Solid Films, 2020, 709, 138195.	1.8	11
24	Multipole interplay controls optical forces and ultra-directional scattering. Optics Express, 2020, 28, 27547.	3.4	16
25	Teaching optics to a machine learning network. Optics Letters, 2020, 45, 2922.	3.3	28
26	Electronic Structure-Dependent Surface Plasmon Resonance in Single Au@Fe Nanoalloys. Nano Letters, 2019, 19, 5754-5761.	9.1	37
27	Photocatalytic ammonia production enhanced by a plasmonic near-field and hot electrons originating from aluminium nanostructures. Faraday Discussions, 2019, 214, 399-415.	3.2	12
28	Quantifying Fano properties in self-assembled metamaterials. Physical Review B, 2019, 99, .	3.2	4
29	Towards Efficient Nonlinear Plasmonic Metasurfaces. , 2019, , .		0
30	Strong second-harmonic generation from Au@Al heterodimers. Nanoscale, 2019, 11, 23475-23481.	5.6	13
31	Studying the different coupling regimes for a plasmonic particle in a plasmonic trap. Optics Express, 2019, 27, 38670.	3.4	10
32	Modes interplay and dynamics in the second harmonic generation of plasmonic nanostructures. Optics Express, 2019, 27, 38708.	3.4	9
33	Origin of enhancement in Raman scattering from Ag-dressed carbon-nanotube antennas: experiment and modelling. Physical Chemistry Chemical Physics, 2018, 20, 5827-5840.	2.8	6
34	Less Is More: Enhancement of Second-Harmonic Generation from Metasurfaces by Reduced Nanoparticle Density. Nano Letters, 2018, 18, 7709-7714.	9.1	77
35	Hybrid Metallodielectric Metasurfaces for Sensing. , 2018, , .		0
36	Label-Free Electrochemical Immunoassay for C-Reactive Protein. Biosensors, 2018, 8, 34.	4.7	49

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37	Silencing the second harmonic generation from plasmonic nanodimers: A comprehensive discussion. Beilstein Journal of Nanotechnology, 2018, 9, 2674-2683.	2.8	4
38	Dynamics of Second-Harmonic Generation in a Plasmonic Silver Nanorod. ACS Photonics, 2018, 5, 3246-3254.	6.6	15
39	Recent Advances in Resonant Waveguide Gratings. Laser and Photonics Reviews, 2018, 12, 1800017.	8.7	250
40	Homogenization and Scattering Analysis of Second-Harmonic Generation in Nonlinear Metasurfaces. IEEE Transactions on Antennas and Propagation, 2018, 66, 6061-6075.	5.1	9
41	Electrochemical Sensor for Bilirubin Detection Using Screen Printed Electrodes Functionalized with Carbon Nanotubes and Graphene. Sensors, 2018, 18, 800.	3.8	60
42	Second Harmonic Scattering from Silver Nanocubes. Journal of Physical Chemistry C, 2018, 122, 17447-17455.	3.1	12
43	Universal trapping in a three-beam optical lattice. Physical Review A, 2018, 98, .	2.5	4
44	Light refocusing with up-scalable resonant waveguide gratings in confocal prolate spheroid arrangements. Journal of Nanophotonics, 2018, 12, 1.	1.0	2
45	Mechanisms of perfect absorption in nano-composite systems. Optics Express, 2018, 26, 27089.	3.4	7
46	Second harmonic generation dynamics in plasmonic nanoparticles. , 2018, , .		0
47	Highly sensitive SERS analysis of the cyclic Argâ€“Glyâ€“Asp peptide ligands of cells using nanogap antennas. Journal of Biophotonics, 2017, 10, 294-302.	2.3	11
48	Phase Bifurcation and Zero Reflection in Planar Plasmonic Metasurfaces. ACS Photonics, 2017, 4, 852-860.	6.6	10
49	Tailoring the field enhancement in Fano-resonant nanoantennas for improved optical bistability. Journal of Nanophotonics, 2017, 11, 016007.	1.0	3
50	Enhancement Mechanisms of the Second Harmonic Generation from Double Resonant Aluminum Nanostructures. ACS Photonics, 2017, 4, 1522-1530.	6.6	50
51	Color-Selective and Versatile Light Steering with up-Scalable Subwavelength Planar Optics. ACS Photonics, 2017, 4, 1060-1066.	6.6	13
52	Mode Evolution in Strongly Coupled Plasmonic Dolmens Fabricated by Templated Assembly. ACS Photonics, 2017, 4, 1661-1668.	6.6	11
53	Strong Improvement of Long-Term Chemical and Thermal Stability of Plasmonic Silver Nanoantennas and Films. Small, 2017, 13, 1700044.	10.0	50
54	Mode Coupling in Plasmonic Heterodimers Probed with Electron Energy Loss Spectroscopy. ACS Nano, 2017, 11, 3485-3495.	14.6	42

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55	Twisting Fluorescence through Extrinsic Chiral Antennas. Nano Letters, 2017, 17, 2265-2272.	9.1	34
56	Full Color Generation Using Silver Tandem Nanodisks. ACS Nano, 2017, 11, 4419-4427.	14.6	173
57	Where Does Energy Go in Electron Energy Loss Spectroscopy of Nanostructures?. ACS Photonics, 2017, 4, 156-164.	6.6	21
58	Van der Waals MoS ₂ /VO ₂ heterostructure junction with tunable rectifier behavior and efficient photoresponse. Scientific Reports, 2017, 7, 14250.	3.3	37
59	Revealing a Mode Interplay That Controls Second-Harmonic Radiation in Gold Nanoantennas. ACS Photonics, 2017, 4, 2923-2929.	6.6	16
60	Wavevector-Selective Nonlinear Plasmonic Metasurfaces. Nano Letters, 2017, 17, 5258-5263.	9.1	20
61	Fano-resonance-assisted metasurface for color routing. Light: Science and Applications, 2017, 6, e17017-e17017.	16.6	82
62	Second harmonic generation in plasmonic nanostructures: A double dipolar resonant antenna design. , 2017, , .		0
63	Self-Similarity of Plasmon Edge Modes on Koch Fractal Antennas. ACS Nano, 2017, 11, 11240-11249.	14.6	33
64	Non-invasive continuous monitoring of pro-oxidant effects of engineered nanoparticles on aquatic microorganisms. Journal of Nanobiotechnology, 2017, 15, 19.	9.1	13
65	Nanoscale topographical control of capillary assembly of nanoparticles. Nature Nanotechnology, 2017, 12, 73-80.	31.5	266
66	Optical second harmonic generation from nanostructured graphene: a full wave approach. Optics Express, 2017, 25, 27015.	3.4	18
67	Steering and filtering white light with resonant waveguide gratings. , 2017, , .		1
68	Surface-to-volume ratio controls the radiation of stratified plasmonic antennas. Journal of Nanophotonics, 2017, 11, 1.	1.0	0
69	Direct Comparison of Second Harmonic Generation and Two-Photon Photoluminescence from Single Connected Gold Nanodimers. Journal of Physical Chemistry C, 2016, 120, 17699-17710.	3.1	30
70	Highly Improved Fabrication of Ag and Al Nanostructures for UV and Nonlinear Plasmonics. Advanced Optical Materials, 2016, 4, 871-876.	7.3	38
71	Pro-oxidant effects of nano-TiO ₂ on Chlamydomonas reinhardtii during short-term exposure. RSC Advances, 2016, 6, 115271-115283.	3.6	8
72	Mode analysis of second-harmonic generation in plasmonic nanostructures. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 768.	2.1	50

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73	Maximizing Nonlinear Optical Conversion in Plasmonic Nanoparticles through Ideal Absorption of Light. ACS Photonics, 2016, 3, 1453-1460.	6.6	9
74	Maximal absorption regime in random media. Optics Express, 2016, 24, A1306.	3.4	3
75	Revisiting Newton's rings with a plasmonic optical flat for high-accuracy surface inspection. Light: Science and Applications, 2016, 5, e16156-e16156.	16.6	8
76	New numerical methods for the design of efficient nonlinear plasmonic sources of light and nanosensors. Proceedings of SPIE, 2016, , .	0.8	0
77	Electron energy-loss spectroscopy of coupled plasmonic systems: beyond the standard electron perspective. , 2016, , .		1
78	Controlling the nonlinear optical properties of plasmonic nanoparticles with the phase of their linear response. Optics Express, 2016, 24, 17138.	3.4	14
79	Geometrical Effects on Sintering Dynamics of Cu-Ag Core-Shell Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 17791-17800.	3.1	51
80	Orientation Dependence of Plasmonically Enhanced Spontaneous Emission. Journal of Physical Chemistry C, 2016, 120, 21037-21046.	3.1	7
81	Evaluation of the nonlinear response of plasmonic metasurfaces: Miller's rule, nonlinear effective susceptibility method, and full-wave computation. Journal of the Optical Society of America B: Optical Physics, 2016, 33, A8.	2.1	34
82	New insights into ROS dynamics: a multi-layered microfluidic chip for ecotoxicological studies on aquatic microorganisms. Nanotoxicology, 2016, 10, 1041-1050.	3.0	14
83	Numerical methods for nanophotonics: standard problems and future challenges. Laser and Photonics Reviews, 2015, 9, 577-603.	8.7	129
84	Metallized Gratings Enable Color Effects and Floating Screen Films by First-Order Diffraction. Advanced Optical Materials, 2015, 3, 1793-1799.	7.3	22
85	Insight into the eigenmodes of plasmonic nanoclusters based on the Green's tensor method. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 194.	2.1	8
86	Fluorescence enhancement using Fano-resonant a plasmonic nanostructure with selective functionalization of molecules at the electromagnetic hot spot (Presentation Recording). Proceedings of SPIE, 2015, , .	0.8	0
87	Multiscattering-Enhanced Absorption Spectroscopy. Analytical Chemistry, 2015, 87, 1536-1543.	6.5	15
88	Portable oxidative stress sensor: Dynamic and non-invasive measurements of extracellular H ₂ O ₂ released by algae. Biosensors and Bioelectronics, 2015, 68, 245-252.	10.1	15
89	Cavity-Coupled Plasmonic Device with Enhanced Sensitivity and Figure-of-Merit. ACS Nano, 2015, 9, 7621-7633.	14.6	57
90	Surface-Enhanced Hyper-Raman Scattering: A New Road to the Observation of Low Energy Molecular Vibrations. Journal of Physical Chemistry C, 2015, 119, 15547-15556.	3.1	19

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91	Manipulating the Optical Bistability in a Nonlinear Plasmonic Nanoantenna Array with a Reflecting Surface. <i>Plasmonics</i> , 2015, 10, 203-209.	3.4	15
92	Multiscattering-enhanced optical biosensor: multiplexed, non-invasive and continuous measurements of cellular processes. <i>Biomedical Optics Express</i> , 2015, 6, 2353.	2.9	7
93	Accuracy of surface integral equation matrix elements in plasmonic calculations. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 485.	2.1	33
94	Internal optical forces in plasmonic nanostructures. <i>Optics Express</i> , 2015, 23, 20143.	3.4	18
95	A miniaturized electrochemical assay for homocysteine using screen-printed electrodes with cytochrome c anchored gold nanoparticles. <i>Analyst</i> , The, 2015, 140, 6071-6078.	3.5	24
96	Optical Second Harmonic Generation in Plasmonic Nanostructures: From Fundamental Principles to Advanced Applications. <i>ACS Nano</i> , 2015, 9, 10545-10562.	14.6	455
97	Fano-resonant aluminum and gold nanostructures created with a tunable, up-scalable process. <i>Nanoscale</i> , 2015, 7, 18179-18187.	5.6	15
98	A Universal Law for Plasmon Resonance Shift in Biosensing. <i>ACS Photonics</i> , 2015, 2, 144-150.	6.6	59
99	Optical forces in nanoplasmonic systems: how do they work, what can they be useful for?. <i>Faraday Discussions</i> , 2015, 178, 421-434.	3.2	20
100	Up-scalable method to amplify the diffraction efficiency of simple gratings. <i>Optics Letters</i> , 2014, 39, 6557.	3.3	9
101	Spectral tunability of realistic plasmonic nanoantennas. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	7
102	Fano resonances in the nonlinear optical response of coupled plasmonic nanostructures. <i>Optics Express</i> , 2014, 22, 29693.	3.4	51
103	Large-scale sub-100Ånm compound plasmonic grating arrays to control the interaction between localized and propagating plasmons. <i>Journal of Nanophotonics</i> , 2014, 8, 083897.	1.0	8
104	Optical forces and torques on realistic plasmonic nanostructures: a surface integral approach. <i>Optics Letters</i> , 2014, 39, 4699.	3.3	31
105	Absorbance enhancement in microplate wells for improved-sensitivity biosensors. <i>Biosensors and Bioelectronics</i> , 2014, 56, 198-203.	10.1	15
106	Nonlinear Plasmonic Nanorulers. <i>ACS Nano</i> , 2014, 8, 4931-4939.	14.6	63
107	Refractive index sensing with Fano resonant plasmonic nanostructures: a symmetry based nonlinear approach. <i>Nanoscale</i> , 2014, 6, 15262-15270.	5.6	28
108	Periodicity-Induced Symmetry Breaking in a Fano Lattice: Hybridization and Tight-Binding Regimes. <i>ACS Nano</i> , 2014, 8, 11860-11868.	14.6	34

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109	Quantitative Extraction of Equivalent Lumped Circuit Elements for Complex Plasmonic Nanostructures. ACS Photonics, 2014, 1, 403-407.	6.6	25
110	Metal Double Layers with Sub-10 nm Channels. ACS Nano, 2014, 8, 3700-3706.	14.6	25
111	Surface second-harmonic generation from coupled spherical plasmonic nanoparticles: Eigenmode analysis and symmetry properties. Physical Review B, 2014, 89, .	3.2	42
112	Refractive Index Sensing with Subradiant Modes: A Framework To Reduce Losses in Plasmonic Nanostructures. ACS Nano, 2013, 7, 6978-6987.	14.6	94
113	Coupling Strength Can Control the Polarization Twist of a Plasmonic Antenna. Nano Letters, 2013, 13, 4575-4579.	9.1	25
114	Large-Area Gold/Parylene Plasmonic Nanostructures Fabricated by Direct Nanocutting. Advanced Optical Materials, 2013, 1, 50-54.	7.3	14
115	Plasmonic Radiance: Probing Structure at the Ångström Scale with Visible Light. Nano Letters, 2013, 13, 497-503.	9.1	108
116	Universal scaling of plasmon coupling in metal nanostructures: Checking the validity for higher plasmonic modes using second harmonic generation. Physical Review B, 2013, 87, .	3.2	8
117	Ultrasensitive Optical Shape Characterization of Gold Nanoantennas Using Second Harmonic Generation. Nano Letters, 2013, 13, 1787-1792.	9.1	88
118	Broadband wide-angle dispersion measurements: Instrumental setup, alignment, and pitfalls. Review of Scientific Instruments, 2013, 84, 033107.	1.3	5
119	Augmenting Second Harmonic Generation Using Fano Resonances in Plasmonic Systems. Nano Letters, 2013, 13, 1847-1851.	9.1	200
120	Engineering Metal Adhesion Layers That Do Not Deteriorate Plasmon Resonances. ACS Nano, 2013, 7, 2751-2757.	14.6	79
121	Biosensor based on chemically-designed anchorable cytochrome c for the detection of H ₂ O ₂ released by aquatic cells. Biosensors and Bioelectronics, 2013, 42, 385-390.	10.1	44
122	Mechanisms of Fano Resonances in Coupled Plasmonic Systems. ACS Nano, 2013, 7, 4527-4536.	14.6	304
123	Gap Plasmons and Near-Field Enhancement in Closely Packed Sub-10 nm Gap Resonators. Nano Letters, 2013, 13, 5449-5453.	9.1	75
124	Reusable plasmonic substrates fabricated by interference lithography: a platform for systematic sensing studies. Journal of Raman Spectroscopy, 2013, 44, 170-175.	2.5	25
125	Second Harmonic Generation from Realistic Plasmonic Nanoantennas and Fano Metamolecules. , 2013, , .		0
126	Polarisation charges and scattering behaviour of realistically rounded plasmonic nanostructures. Optics Express, 2013, 21, 21500.	3.4	36

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127	Detecting the trapping of small metal nanoparticles in the gap of nanoantennas with optical second harmonic generation. Optics Express, 2013, 21, 28710.	3.4	6
128	Coupling of multiple LSP and SPP resonances: interactions between an elongated nanoparticle and a thin metallic film. Optics Letters, 2013, 38, 4758.	3.3	28
129	Second-harmonic generation from periodic arrays of arbitrary shape plasmonic nanostructures: a surface integral approach. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2970.	2.1	46
130	Influencing the ultrafast plasmon damping time using Fano resonances for nonlinear plasmonics. EPJ Web of Conferences, 2013, 41, 09012.	0.3	0
131	A portable microfluidic-based biophotonic sensor for extracellular H ₂ O ₂ measurements. , 2013, , .		3
132	Sensing the dynamics of oxidative stress using enhanced absorption in protein-loaded random media. Scientific Reports, 2013, 3, 3447.	3.3	24
133	Coherent perfect absorption mediated anomalous reflection and refraction. Optics Letters, 2012, 37, 4452.	3.3	46
134	Compound resonance-induced coupling effects in composite plasmonic metamaterials. Optics Express, 2012, 20, 29447.	3.4	12
135	Multipolar effects and strong coupling in hybrid plasmonic metamaterials. Proceedings of SPIE, 2012, , .	0.8	1
136	Enhanced second-harmonic generation from double resonant plasmonic antennae. Optics Express, 2012, 20, 12860.	3.4	225
137	Ultrasensitive system for the real-time detection of H ₂ O ₂ based on strong coupling in a bioplasmonic system. , 2012, , .		4
138	Using Fano resonances to influence the ultrafast plasmon damping time for nonlinear plasmonics. , 2012, , .		0
139	Biophotonic tool for sensing the dynamics of H ₂ O ₂ extracellular release in stressed cells. , 2012, , .		4
140	Fano resonant plasmonic systems: Functioning principles and applications. AIP Conference Proceedings, 2012, , .	0.4	13
141	Nonlinear plasmonics of metallic heptamers. , 2012, , .		2
142	Direct Anchoring of Cytochrome c onto Bare Gold Electrode for Sensing Oxidative Stress in Aquatic Cells. Procedia Engineering, 2012, 47, 1284-1286.	1.2	2
143	Biophotonic Sensor for Real-time and Non-invasive Detection of Extracellular H ₂ O ₂ Released by Stimulated Cells. Procedia Engineering, 2012, 47, 1281-1283.	1.2	1
144	Subwavelength Metal Apertures for Label-Free Detection of Single-Molecules. Biophysical Journal, 2012, 102, 727a.	0.5	0

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145	A Zeptoliter Volume Meter for Analysis of Single Protein Molecules. Nano Letters, 2012, 12, 370-375.	9.1	27
146	Molecule-Dependent Plasmonic Enhancement of Fluorescence and Raman Scattering near Realistic Nanostructures. ACS Nano, 2012, 6, 9828-9836.	14.6	47
147	Novel biosensor for detecting hemoglobin and its oxidation state based on nonreciprocity in a coupled waveguide system. , 2012, , .		0
148	Hybrid nanoparticle and thin film SPR biosensor with a high figure of merit. Proceedings of SPIE, 2012, , .	0.8	1
149	Fabrication of free-standing plasmonic nanoantennas with application for optical break junctions. , 2012, , .		0
150	Strong enhancement of forbidden atomic transitions using plasmonic nanostructures. Physical Review A, 2012, 85, .	2.5	68
151	Surface-Plasmon-Induced Modification on the Spontaneous Emission Spectrum via Subwavelength-Confined Anisotropic Purcell Factor. Nano Letters, 2012, 12, 2488-2493.	9.1	78
152	Ab initio engineering of Fano resonances. , 2011, , .		2
153	Combined Antenna and Localized Plasmon Resonance in Raman Scattering from Random Arrays of Silver-Coated, Vertically Aligned Multiwalled Carbon Nanotubes. Nano Letters, 2011, 11, 365-371.	9.1	84
154	Excitation and Reemission of Molecules near Realistic Plasmonic Nanostructures. Nano Letters, 2011, 11, 482-487.	9.1	117
155	Ab initio theory of Fano resonances in plasmonic nanostructures and metamaterials. Physical Review B, 2011, 83, .	3.2	271
156	Controlling and utilizing optical forces at the nanoscale with plasmonic antennas. Proceedings of SPIE, 2011, , .	0.8	5
157	Influence of Electromagnetic Interactions on the Line Shape of Plasmonic Fano Resonances. ACS Nano, 2011, 5, 8999-9008.	14.6	280
158	Plasmon delocalization onset in finite sized nanostructures. Optics Express, 2011, 19, 11387.	3.4	22
159	Simulation of complex plasmonic circuits including bends. Optics Express, 2011, 19, 18979.	3.4	11
160	Relation between near-field and far-field properties of plasmonic Fano resonances. Optics Express, 2011, 19, 22167.	3.4	100
161	Strongly coupled bio-plasmonic system: Application to oxygen sensing. Journal of Applied Physics, 2011, 110, 044701.	2.5	5
162	Plasmonic trapping with realistic dipole nanoantennas: Analysis of the detection limit. Applied Physics Letters, 2011, 99, 151104.	3.3	20

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163	Fabrication of sub-100nm gap arrays over large areas for plasmonic sensors. Applied Physics Letters, 2011, 99, 263302.	3.3	77
164	Analytical Description of Fano Resonances in Plasmonic Nanostructures. , 2011, , .		2
165	Optical Forces in Plasmonic Nanostructures: New Functionalities for Nanophotonic Circuits. , 2011, , .		0
166	Controlling plasmonic resonances in binary metallic nanostructures. Journal of Applied Physics, 2010, 107, .	2.5	4
167	Guided Bloch Surface Waves on Ultrathin Polymeric Ridges. Nano Letters, 2010, 10, 2087-2091.	9.1	151
168	Solving surface plasmon resonances and near field in metallic nanostructures: Green's matrix method and its applications. Science Bulletin, 2010, 55, 2608-2617.	1.7	5
169	Scattering on plasmonic nanostructures arrays modeled with a surface integral formulation. Photonics and Nanostructures - Fundamentals and Applications, 2010, 8, 278-284.	2.0	32
170	Pitfalls in the Determination of Optical Cross Sections From Surface Integral Equation Simulations. IEEE Transactions on Antennas and Propagation, 2010, 58, 2158-2161.	5.1	23
171	Distance-controlled scattering in a plasmonic trap. Applied Physics Letters, 2010, 96, 073104.	3.3	5
172	Ultrathin waveguides for Bloch surface waves: Near-field analysis of propagation and polarization. , 2010, , .		1
173	Light scattering by an array of electric and magnetic nanoparticles. Optics Express, 2010, 18, 10001.	3.4	47
174	Accurate and versatile modeling of electromagnetic scattering on periodic nanostructures with a surface integral approach. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 2261.	1.5	115
175	Bloch surface waves in ultrathin waveguides: near-field investigation of mode polarization and propagation. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 1617.	2.1	61
176	A broadband and high-gain metamaterial microstrip antenna. Applied Physics Letters, 2010, 96, .	3.3	168
177	Optical trapping and sensing with plasmonic dipole antennas. , 2010, , .		4
178	Resonance fluorescence of single molecules assisted by a plasmonic structure. Physical Review B, 2010, 81, .	3.2	58
179	Symmetry and selection rules for localized surface plasmon resonances in nanostructures. Physical Review B, 2010, 81, .	3.2	41
180	Trapping and Sensing 10 nm Metal Nanoparticles Using Plasmonic Dipole Antennas. Nano Letters, 2010, 10, 1006-1011.	9.1	426

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181	Multiscale and Accurate Modeling of High Permittivity and Plasmonic Nanostructures. , 2010, , .		0
182	Electromagnetic Scattering of Finite and Infinite 3D Lattices in Polarizable Backgrounds. , 2009, , .		1
183	Polarization sensitive silicon photodiodes using nanostructured metallic grids. Applied Physics Letters, 2009, 94, .	3.3	54
184	Modeling near-field properties of plasmonic nanoparticles: a surface integral approach. , 2009, , .		9
185	Introduction to the Issue on Nanophotonics and Optical MEMS. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 1307-1309.	2.9	0
186	Local field enhancement of an infinite conical metal tip illuminated by a focused beam. Journal of Raman Spectroscopy, 2009, 40, 1338-1342.	2.5	80
187	Retardation-induced plasmonic blinking in coupled nanoparticles. Optics Letters, 2009, 34, 368.	3.3	14
188	Narrowband optical interactions in a plasmonic nanoparticle chain coupled to a metallic film. Optics Letters, 2009, 34, 1405.	3.3	39
189	Surface integral formulation for 3D simulations of plasmonic and high permittivity nanostructures. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 732.	1.5	226
190	Channel and wedge plasmon modes of metallic V-grooves with finite metal thickness. Optics Express, 2009, 17, 2364.	3.4	31
191	Integration of plasmonic trapping in a microfluidic environment. Optics Express, 2009, 17, 6018.	3.4	134
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