

JÃ©rÃ©my Butet

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,123
citations

394286

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477173

29
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32
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docs citations

32
times ranked

2746
citing authors

#	ARTICLE	IF	CITATIONS
1	Second harmonic generation in glass-based metasurfaces using tailored surface lattice resonances. <i>Nanophotonics</i> , 2021, 10, 3465-3475.	2.9	8
2	Sampling Optical Modes and Electronic States with Fast, Monochromated EELS. <i>Microscopy and Microanalysis</i> , 2020, 26, 1754-1755.	0.2	0
3	Electronic Structure-Dependent Surface Plasmon Resonance in Single Au@Fe Nanoalloys. <i>Nano Letters</i> , 2019, 19, 5754-5761.	4.5	37
4	Towards Efficient Nonlinear Plasmonic Metasurfaces. , 2019, , .		0
5	Strong second-harmonic generation from Au@Al heterodimers. <i>Nanoscale</i> , 2019, 11, 23475-23481.	2.8	13
6	Less Is More: Enhancement of Second-Harmonic Generation from Metasurfaces by Reduced Nanoparticle Density. <i>Nano Letters</i> , 2018, 18, 7709-7714.	4.5	77
7	Silencing the second harmonic generation from plasmonic nanodimers: A comprehensive discussion. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2674-2683.	1.5	4
8	Dynamics of Second-Harmonic Generation in a Plasmonic Silver Nanorod. <i>ACS Photonics</i> , 2018, 5, 3246-3254.	3.2	15
9	Homogenization and Scattering Analysis of Second-Harmonic Generation in Nonlinear Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 6061-6075.	3.1	9
10	Second Harmonic Scattering from Silver Nanocubes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17447-17455.	1.5	12
11	Second harmonic generation dynamics in plasmonic nanoparticles. , 2018, , .		0
12	Enhancement Mechanisms of the Second Harmonic Generation from Double Resonant Aluminum Nanostructures. <i>ACS Photonics</i> , 2017, 4, 1522-1530.	3.2	50
13	Mode Evolution in Strongly Coupled Plasmonic Dolmens Fabricated by Templated Assembly. <i>ACS Photonics</i> , 2017, 4, 1661-1668.	3.2	11
14	Mode Coupling in Plasmonic Heterodimers Probed with Electron Energy Loss Spectroscopy. <i>ACS Nano</i> , 2017, 11, 3485-3495.	7.3	42
15	Where Does Energy Go in Electron Energy Loss Spectroscopy of Nanostructures?. <i>ACS Photonics</i> , 2017, 4, 156-164.	3.2	21
16	Revealing a Mode Interplay That Controls Second-Harmonic Radiation in Gold Nanoantennas. <i>ACS Photonics</i> , 2017, 4, 2923-2929.	3.2	16
17	Wavevector-Selective Nonlinear Plasmonic Metasurfaces. <i>Nano Letters</i> , 2017, 17, 5258-5263.	4.5	20
18	Self-Similarity of Plasmon Edge Modes on Koch Fractal Antennas. <i>ACS Nano</i> , 2017, 11, 11240-11249.	7.3	33

#	ARTICLE	IF	CITATIONS
19	Nanoscale topographical control of capillary assembly of nanoparticles. <i>Nature Nanotechnology</i> , 2017, 12, 73-80.	15.6	266
20	Mode analysis of second-harmonic generation in plasmonic nanostructures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 768.	0.9	50
21	Controlling the nonlinear optical properties of plasmonic nanoparticles with the phase of their linear response. <i>Optics Express</i> , 2016, 24, 17138.	1.7	14
22	Evaluation of the nonlinear response of plasmonic metasurfaces: Miller's rule, nonlinear effective susceptibility method, and full-wave computation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, A8.	0.9	34
23	Numerical methods for nanophotonics: standard problems and future challenges. <i>Laser and Photonics Reviews</i> , 2015, 9, 577-603.	4.4	129
24	Optical Second Harmonic Generation in Plasmonic Nanostructures: From Fundamental Principles to Advanced Applications. <i>ACS Nano</i> , 2015, 9, 10545-10562.	7.3	455
25	Nonlinear Plasmonic Nanorulers. <i>ACS Nano</i> , 2014, 8, 4931-4939.	7.3	63
26	Refractive index sensing with Fano resonant plasmonic nanostructures: a symmetry based nonlinear approach. <i>Nanoscale</i> , 2014, 6, 15262-15270.	2.8	28
27	Surface second-harmonic generation from coupled spherical plasmonic nanoparticles: Eigenmode analysis and symmetry properties. <i>Physical Review B</i> , 2014, 89, .	1.1	42
28	Ultrasensitive Optical Shape Characterization of Gold Nanoantennas Using Second Harmonic Generation. <i>Nano Letters</i> , 2013, 13, 1787-1792.	4.5	88
29	Augmenting Second Harmonic Generation Using Fano Resonances in Plasmonic Systems. <i>Nano Letters</i> , 2013, 13, 1847-1851.	4.5	200
30	Second-harmonic generation from periodic arrays of arbitrary shape plasmonic nanostructures: a surface integral approach. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 2970.	0.9	46
31	Sensing with Multipolar Second Harmonic Generation from Spherical Metallic Nanoparticles. <i>Nano Letters</i> , 2012, 12, 1697-1701.	4.5	119
32	Optical Second Harmonic Generation of Single Metallic Nanoparticles Embedded in a Homogeneous Medium. <i>Nano Letters</i> , 2010, 10, 1717-1721.	4.5	221