

Markus Lippitz

List of Publications by Year in descending order

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54
papers

2,451
citations

279798

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214800

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all docs

54
docs citations

54
times ranked

3373
citing authors

#	ARTICLE	IF	CITATIONS
1	Third-Harmonic Generation from Single Gold Nanoparticles. <i>Nano Letters</i> , 2005, 5, 799-802.	9.1	338
2	Detection of Acoustic Oscillations of Single Gold Nanospheres by Time-Resolved Interferometry. <i>Physical Review Letters</i> , 2005, 95, 267406.	7.8	202
3	Doubling the Efficiency of Third Harmonic Generation by Positioning ITO Nanocrystals into the Hot-Spot of Plasmonic Gap-Antennas. <i>Nano Letters</i> , 2014, 14, 2867-2872.	9.1	155
4	Quantitative Modeling of the Third Harmonic Emission Spectrum of Plasmonic Nanoantennas. <i>Nano Letters</i> , 2012, 12, 3778-3782.	9.1	154
5	Statistical Evaluation of Single Nano-Object Fluorescence. <i>ChemPhysChem</i> , 2005, 6, 770-789.	2.1	129
6	Far-Field Optical Microscopy of Single Metal Nanoparticles. <i>Accounts of Chemical Research</i> , 2005, 38, 594-601.	15.6	124
7	Nanoantenna-enhanced ultrafast nonlinear spectroscopy of a single gold nanoparticle. <i>Nature Communications</i> , 2011, 2, .	12.8	118
8	Excitonic Fano Resonance in Free-Standing Graphene. <i>Nano Letters</i> , 2011, 11, 1379-1382.	9.1	117
9	Third Harmonic Mechanism in Complex Plasmonic Fano Structures. <i>ACS Photonics</i> , 2014, 1, 471-476.	6.6	106
10	Towards the Origin of the Nonlinear Response in Hybrid Plasmonic Systems. <i>Physical Review Letters</i> , 2011, 106, 133901.	7.8	99
11	Imaging and steering an optical wireless nanoantenna link. <i>Nature Communications</i> , 2014, 5, 4354.	12.8	96
12	Coherent Electronic Coupling versus Localization in Individual Molecular Dimers. <i>Physical Review Letters</i> , 2004, 92, 103001.	7.8	93
13	Enhancing the Optical Excitation Efficiency of a Single Self-Assembled Quantum Dot with a Plasmonic Nanoantenna. <i>Nano Letters</i> , 2010, 10, 4555-4558.	9.1	79
14	Third-harmonic spectroscopy and modeling of the nonlinear response of plasmonic nanoantennas. <i>Optics Letters</i> , 2012, 37, 4741.	3.3	69
15	All-Optical Control of the Ultrafast Dynamics of a Hybrid Plasmonic System. <i>Physical Review Letters</i> , 2010, 104, 113903.	7.8	64
16	Acoustic and Optical Modes of Single Dumbbells of Gold Nanoparticles. <i>ChemPhysChem</i> , 2009, 10, 111-114.	2.1	48
17	A common-path interferometer for time-resolved and shot-noise-limited detection of single nanoparticles. <i>Optics Express</i> , 2007, 15, 2273.	3.4	44
18	Eleven Nanometer Alignment Precision of a Plasmonic Nanoantenna with a Self-Assembled GaAs Quantum Dot. <i>Nano Letters</i> , 2014, 14, 197-201.	9.1	40

#	ARTICLE	IF	CITATIONS
19	Shaping the nonlinear near field. <i>Nature Communications</i> , 2016, 7, 10361.	12.8	33
20	Directing Light Emission from Quantum Dots. <i>Science</i> , 2010, 329, 910-911.	12.6	30
21	Imaging and Steering Unidirectional Emission from Nanoantenna Array Metasurfaces. <i>ACS Photonics</i> , 2016, 3, 286-292.	6.6	30
22	On-Chip Single-Plasmon Nanocircuit Driven by a Self-Assembled Quantum Dot. <i>Nano Letters</i> , 2017, 17, 4291-4296.	9.1	30
23	A Single-Crystalline Silver Plasmonic Circuit for Visible Quantum Emitters. <i>Nano Letters</i> , 2019, 19, 3238-3243.	9.1	28
24	Positioning plasmonic nanostructures on single quantum emitters. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 678-686.	1.5	22
25	Modal Symmetry Controlled Second-Harmonic Generation by Propagating Plasmons. <i>Nano Letters</i> , 2019, 19, 6424-6428.	9.1	19
26	Three-dimensional winged nanocone optical antennas. <i>Optics Letters</i> , 2014, 39, 3686.	3.3	16
27	Nonlinear optics of complex plasmonic structures: linear and third-order optical response of orthogonally coupled metallic nanoantennas. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	2.2	16
28	Plasmonic antennas, positioning, and coupling of individual quantum systems. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 666-677.	1.5	15
29	Ultrafast Spectroscopy of Quantum Confined States in a Single CdSe Nanowire. <i>Nano Letters</i> , 2013, 13, 1706-1710.	9.1	15
30	Coupling a single solid-state quantum emitter to an array of resonant plasmonic antennas. <i>Scientific Reports</i> , 2018, 8, 3415.	3.3	15
31	Single Molecule Nonlinearity in a Plasmonic Waveguide. <i>Nano Letters</i> , 2020, 20, 2152-2156.	9.1	15
32	Nonlinear spectroscopy of plasmonic nanoparticles. <i>Advances in Physics: X</i> , 2018, 3, 1454341.	4.1	13
33	Transient Reflection: A Versatile Technique for Ultrafast Spectroscopy of a Single Quantum Dot in Complex Environments. <i>Nano Letters</i> , 2012, 12, 453-457.	9.1	12
34	Sandwich-Like Encapsulation of a Highly Luminescent Copper(I) Complex. <i>Advanced Optical Materials</i> , 2021, 9, 2100516.	7.3	12
35	Tailoring the photonic band splitting in metallodielectric photonic crystal superlattices. <i>Physical Review B</i> , 2011, 84, .	3.2	8
36	Nonlinear Spectroscopy on the Plasmonic Analog of Electromagnetically Induced Absorption: Revealing Minute Structural Asymmetries. <i>ACS Photonics</i> , 2019, 6, 2850-2859.	6.6	8

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37	Nondestructive Probing of a Photoswitchable Dithienylethene Coupled to Plasmonic Nanostructures. <i>Journal of Physical Chemistry C</i> , 2017, 121, 16528-16532.	3.1	6
38	Single Particle Spectroscopy of Radiative Processes in Colloid-to-Film-Coupled Nanoantennas. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 1593-1606.	2.8	6
39	Toward oxygen binding curves of single respiratory proteins. <i>Micron</i> , 2004, 35, 111-113.	2.2	5
40	Ultrafast coherent spectroscopy of a single self-assembled quantum dot. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 721-730.	1.5	4
41	The optimal antenna for nonlinear spectroscopy of weakly and strongly scattering nanoobjects. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	2.2	4
42	Electrokinetics in Micro-channeled Cantilevers: Extending the Toolbox for Reversible Colloidal Probes and AFM-Based Nanofluidics. <i>Scientific Reports</i> , 2019, 9, 20294.	3.3	4
43	Narrow-line self-assembled GaAs quantum dots for plasmonics. <i>Applied Physics Letters</i> , 2015, 106, 101110.	3.3	3
44	Transient absorption spectroscopy of a single lateral InGaAs quantum dot molecule. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 731-736.	1.5	2
45	Nonlinear Plasmon Optics. <i>Nano-optics and Nanophotonics</i> , 2015, , 155-181.	0.2	2
46	High-Q plasmonic nanowire-on-mirror resonators by atomically smooth single-crystalline silver flakes. <i>Journal of Chemical Physics</i> , 2021, 155, 234202.	3.0	2
47	Far-Field Optical Microscopy of Single Metal Nanoparticles. <i>ChemInform</i> , 2005, 36, no.	0.0	1
48	Ultrafast coherent control of plasmon polaritons on the nanoscale. , 2009, , .		0
49	Nanoantenna-enhanced ultrafast nonlinear spectroscopy of a single plasmonic nanodisc. , 2011, , .		0
50	Nanoantenna-enhanced ultrafast nonlinear spectroscopy of a single plasmonic nanodisc. , 2011, , .		0
51	Ultrafast dynamics of quantum confined carriers in a single CdSe nanowire. , 2013, , .		0
52	Spectroscopy of Graphene at the Saddle Point. , 2017, , 325-347.		0
53	A quantum plasmonic nanocircuit on a semiconductor platform. , 2017, , .		0
54	Symmetry-Forbidden Second-Harmonic Generation in a Fully Centro-Symmetric Plasmonic Nanocircuit. , 2019, , .		0