

Jonas Beermann

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.

55 papers	1,441 citations	22 h-index	36 g-index
63 ext. papers	1,591 ext. citations	4.4 avg, IF	4.18 L-index

#	Paper	IF	Citations
55	Plasmon Metasurfaces: Gap-Surface Plasmon Metasurfaces for Broadband Circular-to-Linear Polarization Conversion and Vector Vortex Beam Generation (Advanced Optical Materials 9/2019). <i>Advanced Optical Materials</i> , 2019 , 7, 1970033	8.1	1
54	Gap-Surface Plasmon Metasurfaces for Broadband Circular-to-Linear Polarization Conversion and Vector Vortex Beam Generation. <i>Advanced Optical Materials</i> , 2019 , 7, 1801414	8.1	32
53	Laser Writing of Bright Colors on Near-Percolation Plasmonic Reflector Arrays. <i>ACS Nano</i> , 2019 , 13, 71-77	7.7	32
52	Highly stable silver nanoparticles for SERS applications. <i>Journal of Physics: Conference Series</i> , 2018 , 1092, 012098	0.3	2
51	Highly Stable Monocrystalline Silver Clusters for Plasmonic Applications. <i>Langmuir</i> , 2017 , 33, 6062-6070	4	32
50	White Light Generation and Anisotropic Damage in Gold Films near Percolation Threshold. <i>ACS Photonics</i> , 2017 , 4, 1207-1215	6.3	23
49	Optical reconfiguration and polarization control in semi-continuous gold films close to the percolation threshold. <i>Nanoscale</i> , 2017 , 9, 12014-12024	7.7	10
48	Plasmonic channel waveguides in random arrays of metallic nanoparticles. <i>Optics Express</i> , 2016 , 24, 17080-17089	9	9
47	Light extinction and scattering from individual and arrayed high-aspect-ratio trenches in metals. <i>Physical Review B</i> , 2016 , 93,	3.3	8
46	Enhancement of two-photon photoluminescence and SERS for low-coverage gold films. <i>Optics Express</i> , 2016 , 24, 16743-51	3.3	10
45	On-chip detection of radiation guided by dielectric-loaded plasmonic waveguides. <i>Nano Letters</i> , 2015 , 15, 476-80	11.5	16
44	Optical spectroscopy of single Si nanocylinders with magnetic and electric resonances. <i>Scientific Reports</i> , 2014 , 4, 4126	4.9	59
43	Plasmonic black metals via radiation absorption by two-dimensional arrays of ultra-sharp convex grooves. <i>Scientific Reports</i> , 2014 , 4, 6904	4.9	14
42	Plasmonic black gold based broadband polarizers for ultra-short laser pulses. <i>Applied Physics Letters</i> , 2013 , 103, 211102	3.4	7
41	Plasmonic black metals by broadband light absorption in ultra-sharp convex grooves. <i>New Journal of Physics</i> , 2013 , 15, 073007	2.9	26
40	Identification of abnormal stem cells using Raman spectroscopy. <i>Stem Cells and Development</i> , 2012 , 21, 2152-9	4.4	21
39	Plasmonic black gold by adiabatic nanofocusing and absorption of light in ultra-sharp convex grooves. <i>Nature Communications</i> , 2012 , 3, 969	17.4	230

38	Surface-enhanced Raman microscopy of hemispherical shells stripped from templates of anodized aluminum. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 834-341	2.3	4
37	Optical properties of spherical gold mesoparticles. <i>Applied Physics B: Lasers and Optics</i> , 2012 , 106, 841-848		24
36	Extraordinary optical transmission with tapered slits: effect of higher diffraction and slit resonance orders. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 130	1.7	25
35	Characterization of localized field enhancements in laser fabricated gold needle nanostructures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 185	1.7	1
34	Polarization-resolved two-photon luminescence microscopy of V-groove arrays. <i>Optics Express</i> , 2012 , 20, 654-62	3.3	8
33	Tuning surface plasmons in interconnected hemispherical Au shells. <i>Optics Express</i> , 2012 , 20, 534-46	3.3	8
32	Localized field enhancements in two-dimensional V-groove metal arrays. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 372	1.7	12
31	Field enhancement and extraordinary optical transmission by tapered periodic slits in gold films. <i>New Journal of Physics</i> , 2011 , 13, 063029	2.9	34
30	Field Enhancement in Plasmonic Gold Nanostructures on Templates of Anodized Aluminum for Sensor Applications. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2011 , 275-280	0.2	
29	Extraordinary optical transmission enhanced by nanofocusing. <i>Nano Letters</i> , 2010 , 10, 3123-8	11.5	72
28	Two-photon luminescence microscopy of large-area gold nanostructures on templates of anodized aluminum. <i>Optics Express</i> , 2010 , 18, 17040-52	3.3	5
27	Resonant plasmon nanofocusing by closed tapered gaps. <i>Nano Letters</i> , 2010 , 10, 291-5	11.5	72
26	Plasmonic metasurfaces for waveguiding and field enhancement. <i>Laser and Photonics Reviews</i> , 2009 , 3, 575-590	8.3	34
25	Theoretical analysis and experimental demonstration of resonant light scattering from metal nanostrips on quartz. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 121	1.7	7
24	Two-photon imaging of field enhancement by groups of gold nanostrip antennas. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 2199	1.7	3
23	Surface-enhanced Raman imaging of fractal shaped periodic metal nanostructures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 2370	1.7	22
22	Surface enhanced Raman imaging: periodic arrays and individual metal nanoparticles. <i>Optics Express</i> , 2009 , 17, 12698-705	3.3	45
21	Surface enhanced Raman microscopy with metal nanoparticle arrays. <i>Journal of Optics</i> , 2009 , 11, 075004		25

20	Nonlinear microscopy of localized field enhancements in fractal shaped periodic metal nanostructures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008 , 25, 1585	1.7	11
19	Two-photon mapping of localized field enhancements in thin nanostrip antennas. <i>Optics Express</i> , 2008 , 16, 17302-9	3.3	24
18	Slow-light plasmonic metal nano-strip resonators 2008 ,		1
17	Slow-plasmon resonant-nanostrip antennas: Analysis and demonstration. <i>Physical Review B</i> , 2008 , 77,	3.3	57
16	Spectroscopy and nonlinear microscopy of gold nanoparticle arrays on gold films. <i>Physical Review B</i> , 2007 , 75,	3.3	41
15	Modeling of second-harmonic scanning optical microscopy of molecular quasi-one-dimensional aggregates. <i>Physical Review B</i> , 2007 , 75,	3.3	2
14	Comparison of finite-difference time-domain simulations and experiments on the optical properties of gold nanoparticle arrays on gold film. <i>Journal of Optics</i> , 2007 , 9, S366-S371		13
13	Localized field enhancements in fractal shaped periodic metal nanostructures. <i>Optics Express</i> , 2007 , 15, 15234-41	3.3	21
12	Modeling of nonlinear microscopy of localized field enhancements in random metal nanostructures. <i>Physical Review B</i> , 2006 , 73,	3.3	13
11	Spectroscopy and nonlinear microscopy of Au nanoparticle arrays: Experiment and theory. <i>Physical Review B</i> , 2006 , 73,	3.3	60
10	Two-photon near-field mapping of local molecular orientations in hexaphenyl nanofibers. <i>Laser Physics Letters</i> , 2005 , 2, 480-484	1.5	11
9	Two-photon luminescence microscopy of field enhancement at gold nanoparticles. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005 , 2, 3983-3987		18
8	Microscopy of localized second-harmonic enhancement in random metal nanostructures. <i>Physical Review B</i> , 2004 , 69,	3.3	26
7	Two-photon mapping of molecular orientations in hexaphenyl microrings. <i>Laser Physics Letters</i> , 2004 , 1, 264-268	1.5	4
6	Second-harmonic near-field optical microscopy of periodic nanoholes in metal films. <i>Laser Physics Letters</i> , 2004 , 1, 592-597	1.5	4
5	Two-photon mapping of local molecular orientations in hexaphenyl nanofibers. <i>Optics Communications</i> , 2004 , 237, 423-429	2	19
4	High-resolution second-harmonic microscopy of poled silica waveguides. <i>Optics Communications</i> , 2003 , 221, 295-300	2	15
3	Second-harmonic far-field microscopy of random nanostructured gold surfaces. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003 , 3070-3074		1

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| 2 | Optically Active Organic Microrings. <i>Nano Letters</i> , 2003 , 3, 1311-1314 | 11.5 | 60 |
| 1 | Direct observation of localized second-harmonic enhancement in random metal nanostructures. <i>Physical Review Letters</i> , 2003 , 90, 197403 | 7.4 | 106 |