

Harald Ditlbacher

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,133
citations

623734

14
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

2574
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Silver Nanowires as Surface Plasmon Resonators. <i>Physical Review Letters</i> , 2005, 95, 257403. | 7.8 | 950 |
| 2 | Dark Plasmonic Breathing Modes in Silver Nanodisks. <i>Nano Letters</i> , 2012, 12, 5780-5783. | 9.1 | 198 |
| 3 | Electron-Energy-Loss Spectra of Plasmonic Nanoparticles. <i>Physical Review Letters</i> , 2009, 103, 106801. | 7.8 | 165 |
| 4 | Dielectric optical elements for surface plasmons. <i>Optics Letters</i> , 2005, 30, 893. | 3.3 | 161 |
| 5 | Morphing a Plasmonic Nanodisk into a Nanotriangle. <i>Nano Letters</i> , 2014, 14, 4810-4815. | 9.1 | 112 |
| 6 | Quantitative analysis of surface plasmon interaction with silver nanoparticles. <i>Optics Letters</i> , 2005, 30, 1524. | 3.3 | 110 |
| 7 | How to erase surface plasmon fringes. <i>Applied Physics Letters</i> , 2006, 89, 091117. | 3.3 | 98 |
| 8 | Universal dispersion of surface plasmons in flat nanostructures. <i>Nature Communications</i> , 2014, 5, 3604. | 12.8 | 96 |
| 9 | Coupling efficiency of light to surface plasmon polariton for single subwavelength holes in a gold film. <i>Optics Express</i> , 2008, 16, 3420. | 3.4 | 72 |
| 10 | Surface Plasmon Polariton Mach-Zehnder Interferometer and Oscillation Fringes. <i>Plasmonics</i> , 2006, 1, 141-145. | 3.4 | 35 |
| 11 | Probing plasmonic breathing modes optically. <i>Applied Physics Letters</i> , 2014, 105, 171103. | 3.3 | 35 |
| 12 | Plasmonic Dispersion Relations and Intensity Enhancement of Metal-Insulator-Metal Nanodisks. <i>ACS Photonics</i> , 2018, 5, 4823-4827. | 6.6 | 25 |
| 13 | Imaging nanowire plasmon modes with two-photon polymerization. <i>Applied Physics Letters</i> , 2015, 106, . | 3.3 | 19 |
| 14 | Edge Mode Coupling within a Plasmonic Nanoparticle. <i>Nano Letters</i> , 2016, 16, 5152-5155. | 9.1 | 15 |
| 15 | Integrated fluorescence sensor based on ring-shaped organic photodiodes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010, 4, 157-159. | 2.4 | 14 |
| 16 | Integrated waveguide sensor utilizing organic photodiodes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011, 5, 344-346. | 2.4 | 11 |
| 17 | Plasmon modes of a silver thin film taper probed with STEM-EELS. <i>Optics Letters</i> , 2015, 40, 5670. | 3.3 | 5 |
| 18 | Modeling of electrically actuated elastomer structures for electro-optical modulation. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 102, 407-413. | 2.3 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Gray State Dynamics in the Blinking of Single Type I Colloidal Quantum Dots. Nano, 2018, 13, 1850039. | 1.0 | 3 |
| 20 | Coupling Silver Iodide Emitters to Aluminum Plasmons. Journal of Physical Chemistry C, 2021, 125, 2519-2523. | 3.1 | 1 |
| 21 | Organic light-emitting diodes as surface plasmon emitters. , 2009, , . | | 0 |
| 22 | Photoconductivity of Colloidal Quantum Dot Films in Plasmonic Nanogaps. Proceedings (mdpi), 2020, 56, 23. | 0.2 | 0 |
| 23 | Correlating Spatially Resolved Photoconductivity and Luminescence in Colloidal Quantum Dot Films. Proceedings (mdpi), 2020, 56, 39. | 0.2 | 0 |
| 24 | Photoconductivity of PbS Quantum Dot Films in Plasmonic Nanogaps. , 0, , . | | 0 |