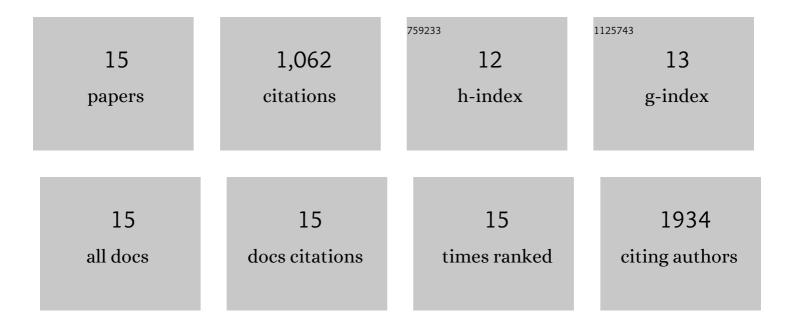
Silke L Diedenhofen

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Broadâ€band and Omnidirectional Antireflection Coatings Based on Semiconductor Nanorods. Advanced Materials, 2009, 21, 973-978. | 21.0 | 243 |
| 2 | Strong Geometrical Dependence of the Absorption of Light in Arrays of Semiconductor Nanowires. ACS Nano, 2011, 5, 2316-2323. | 14.6 | 169 |
| 3 | Large Photonic Strength of Highly Tunable Resonant Nanowire Materials. Nano Letters, 2009, 9, 930-934. | 9.1 | 149 |
| 4 | Heterovalent cation substitutional doping for quantum dot homojunction solar cells. Nature Communications, 2013, 4, 2981. | 12.8 | 111 |
| 5 | Broadband and omnidirectional anti-reflection layer for III/V multi-junction solar cells. Solar Energy Materials and Solar Cells, 2012, 101, 308-314. | 6.2 | 75 |
| 6 | Generic nano-imprint process for fabrication of nanowire arrays. Nanotechnology, 2010, 21, 065305. | 2.6 | 70 |
| 7 | Remote Trap Passivation in Colloidal Quantum Dot Bulk Nanoâ€heterojunctions and Its Effect in Solutionâ€Processed Solar Cells. Advanced Materials, 2014, 26, 4741-4747. | 21.0 | 62 |
| 8 | Epitaxial Growth of Aligned Semiconductor Nanowire Metamaterials for Photonic Applications. Advanced Functional Materials, 2008, 18, 1039-1046. | 14.9 | 56 |
| 9 | Integrated colloidal quantum dot photodetectors with color-tunable plasmonic nanofocusing lenses. Light: Science and Applications, 2015, 4, e234-e234. | 16.6 | 46 |
| 10 | Determination of carrier lifetime and mobility in colloidal quantum dot films via impedance spectroscopy. Applied Physics Letters, 2014, 104, . | 3.3 | 27 |
| 11 | Surface Plasmon Polariton Couplers for Light Trapping in Thin-Film Absorbers and Their Application to Colloidal Quantum Dot Optoelectronics. ACS Photonics, 2014, 1, 1197-1205. | 6.6 | 26 |
| 12 | Controlling the Directional Emission of Light by Periodic Arrays of Heterostructured Semiconductor Nanowires. ACS Nano, 2011, 5, 5830-5837. | 14.6 | 23 |
| 13 | Broadband and Omnidirectional Anti-reflection Coating for III/V Multi-junction Solar Cells. Springer Series in Materials Science, 2014, , 571-595. | 0.6 | 4 |
| 14 | Mimicking moth's eyes for photovoltaic applications with tapered GaP nanorods. , 2010, , . | | 1 |
| 15 | Bio-inspired Broadband and Omni-directional Antireflective Surface based on Semiconductor Nanorods. , 2010, , . | | 0 |

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