

Christopher M Roberts

List of Publications by Citations

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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.

8

papers

214

citations

6

h-index

12

g-index

12

ext. papers

413

ext. citations

8.5

avg, IF

3.13

L-index

| # | Paper | IF | Citations |
|---|--|------|-----------|
| 8 | Electrically reconfigurable non-volatile metasurface using low-loss optical phase-change material. <i>Nature Nanotechnology</i> , 2021 , 16, 661-666 | 28.7 | 85 |
| 7 | Reconfigurable all-dielectric metalens with diffraction-limited performance. <i>Nature Communications</i> , 2021 , 12, 1225 | 17.4 | 63 |
| 6 | Diffractive interface theory: nonlocal susceptibility approach to the optics of metasurfaces. <i>Optics Express</i> , 2015 , 23, 2764-76 | 3.3 | 23 |
| 5 | Near-field infrared absorption of plasmonic semiconductor microparticles studied using atomic force microscope infrared spectroscopy. <i>Applied Physics Letters</i> , 2013 , 102, 152110 | 3.4 | 22 |
| 4 | Interscale mixing microscopy: far-field imaging beyond the diffraction limit. <i>Optica</i> , 2016 , 3, 803 | 8.6 | 7 |
| 3 | Metamaterials-based Salisbury screens with reduced angular sensitivity. <i>Applied Physics Letters</i> , 2014 , 105, 161105 | 3.4 | 6 |
| 2 | Metasurface-enhanced transparency. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017 , 34, D42 | 1.7 | 4 |
| 1 | Rigorous diffraction interface theory. <i>Applied Physics Letters</i> , 2017 , 110, 171108 | 3.4 | 3 |