

Franziska B Barho

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

186
citations

1307594

7
h-index

1588992

8
g-index

11
all docs

11
docs citations

11
times ranked

292
citing authors

#	ARTICLE	IF	CITATIONS
1	All-semiconductor plasmonic gratings for biosensing applications in the mid-infrared spectral range. <i>Optics Express</i> , 2016, 24, 16175.	3.4	57
2	Highly doped semiconductor plasmonic nanoantenna arrays for polarization selective broadband surface-enhanced infrared absorption spectroscopy of vanillin. <i>Nanophotonics</i> , 2017, 7, 507-516.	6.0	33
3	Surface-Enhanced Thermal Emission Spectroscopy with Perfect Absorber Metasurfaces. <i>ACS Photonics</i> , 2019, 6, 1506-1514.	6.6	28
4	Heavily Doped Semiconductor Metamaterials for Mid-Infrared Multispectral Perfect Absorption and Thermal Emission. <i>Advanced Optical Materials</i> , 2020, 8, 1901502.	7.3	27
5	Phosphonate monolayers on InAsSb and GaSb surfaces for mid-IR plasmonics. <i>Applied Surface Science</i> , 2018, 451, 241-249.	6.1	12
6	Spectroscopic Nanoimaging of All-Semiconductor Plasmonic Gratings Using Photoinduced Force and Scattering Type Nanoscopy. <i>ACS Photonics</i> , 2018, 5, 4352-4359.	6.6	10
7	Microfluidic surface-enhanced infrared spectroscopy with semiconductor plasmonics for the fingerprint region. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 124-135.	3.7	10
8	Pedestal formation of all-semiconductor gratings through GaSb oxidation for mid-IR plasmonics. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 015104.	2.8	5
9	Plasmonic bio-sensing based on highly doped semiconductors. , 2017, , .		2
10	Qudi-HiM: an open-source acquisition software package for highly multiplexed sequential and combinatorial optical imaging. <i>Open Research Europe</i> , 0, 2, 46.	2.0	2
11	Semiconductor plasmonics and metamaterials for IR applications. , 2022, , .		0