

# Beatrice Dagens

## List of Publications by Year in descending order

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27  
papers

491  
citations

840776

11  
h-index

794594

19  
g-index

27  
all docs

27  
docs citations

27  
times ranked

570  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical demonstration of surface lattice resonance excitation in integrated localized surface plasmon waveguides. Optics Express, 2022, 30, 5835.	3.4	3
2	Design of a half-ring plasmonic tweezers for environmental monitoring. Optical Materials: X, 2022, 13, 100141.	0.8	0
3	Improved PDMS mold fabrication by direct etch with nanosphere self-assembly mask for Soft UV-NIL subwavelength metasurfaces fabrication. Microelectronic Engineering, 2022, 258, 111755.	2.4	4
4	Integrated magneto-plasmonic isolation enhancement based on coupled resonances in subwavelength gold grating. Optics Communications, 2021, 483, 126633.	2.1	4
5	Broad-band plasmonic isolator compatible with low-gyrotropy magneto-optical material. Optics Express, 2021, 29, 4091.	3.4	5
6	Optical spatiotemporal differentiator using a bilayer plasmonic grating. Optics Letters, 2021, 46, 4418.	3.3	9
7	Magneto-biplasmonic slot waveguide isolator. , 2021, , .		0
8	Modeling Active Dipolar Media in Photonics and Optoelectronics with the Finite Element Method. Journal of Physical Chemistry C, 2020, 124, 22244-22249.	3.1	0
9	Seven at One Blow: Particle Cluster Stability in a Single Plasmonic Trap on a Silicon Waveguide. ACS Photonics, 2020, 7, 1942-1949.	6.6	11
10	21â€4: Plasmonic Nanostructures Array with Correlated Disorder for Augmented Reality. Digest of Technical Papers SID International Symposium, 2019, 50, 295-298.	0.3	0
11	Design of mesoscopic photonic crystal waveguides. Journal of Engineering, 2019, 2019, 4628-4631.	1.1	0
12	Design of optical metasurfaces for innovative display devices. , 2019, , .		1
13	Ultra-efficient nanoparticle trapping by integrated plasmonic dimers. Optics Letters, 2018, 43, 455.	3.3	14
14	Correlated Disordered Plasmonic Nanostructures Arrays for Augmented Reality. ACS Photonics, 2018, 5, 2661-2668.	6.6	25
15	Magnetoplasmonic nanograting geometry enables optical nonreciprocity sign control. Optics Express, 2018, 26, 31554.	3.4	11
16	Integrated Localized Plasmonics and Applications. , 2018, , .		0
17	Strong coupling and vortexes assisted slow light in plasmonic chain-SOI waveguide systems. Scientific Reports, 2017, 7, 7228.	3.3	16
18	Full optical confinement in 1D mesoscopic photonic crystal-based microcavities: an experimental demonstration. Optics Express, 2017, 25, 28288.	3.4	7

#	ARTICLE	IF	CITATIONS
19	Direct Observation of Optical Field Phase Carving in the Vicinity of Plasmonic Metasurfaces. Nano Letters, 2016, 16, 4014-4018.	9.1	13
20	Integrated plasmonic nanotweezers for nanoparticle manipulation. Optics Letters, 2016, 41, 3679.	3.3	26
21	Optical Sensor based on a Mesoscopic Photonic Crystal Microcavity. , 2016, , .		2
22	Design of metallic nanoparticle gratings for filtering properties in the visible spectrum. Applied Optics, 2015, 54, 10359.	2.1	4
23	Metallic nanoparticle chains on dielectric waveguides: coupled and uncoupled situations compared. Optics Express, 2013, 21, 24504.	3.4	29
24	Integration of short gold nanoparticles chain on SOI waveguide toward compact integrated bio-sensors. Optics Express, 2012, 20, 17402.	3.4	43
25	Magnetic properties of the magnetophotonic crystal based on bismuth iron garnet. Journal of Applied Physics, 2012, 112, .	2.5	31
26	Giant Coupling Effect between Metal Nanoparticle Chain and Optical Waveguide. Nano Letters, 2012, 12, 1032-1037.	9.1	150
27	Transverse magnetic mode nonreciprocal propagation in an amplifying AlGaInAs <sup>∞</sup> InP optical waveguide isolator. Applied Physics Letters, 2006, 88, 071115.	3.3	83