

Beatrice Dagens

List of Publications by Year in descending order

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Version: 2024-02-01

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	Giant Coupling Effect between Metal Nanoparticle Chain and Optical Waveguide. Nano Letters, 2012, 12, 1032-1037.	9.1	150
2	Transverse magnetic mode nonreciprocal propagation in an amplifying AlGaInAs ⁺ InP optical waveguide isolator. Applied Physics Letters, 2006, 88, 071115.	3.3	83
3	Integration of short gold nanoparticles chain on SOI waveguide toward compact integrated bio-sensors. Optics Express, 2012, 20, 17402.	3.4	43
4	Magnetic properties of the magnetophotonic crystal based on bismuth iron garnet. Journal of Applied Physics, 2012, 112, .	2.5	31
5	Metallic nanoparticle chains on dielectric waveguides: coupled and uncoupled situations compared. Optics Express, 2013, 21, 24504.	3.4	29
6	Integrated plasmonic nanotweezers for nanoparticle manipulation. Optics Letters, 2016, 41, 3679.	3.3	26
7	Correlated Disordered Plasmonic Nanostructures Arrays for Augmented Reality. ACS Photonics, 2018, 5, 2661-2668.	6.6	25
8	Strong coupling and vortexes assisted slow light in plasmonic chain-SOI waveguide systems. Scientific Reports, 2017, 7, 7228.	3.3	16
9	Ultra-efficient nanoparticle trapping by integrated plasmonic dimers. Optics Letters, 2018, 43, 455.	3.3	14
10	Direct Observation of Optical Field Phase Carving in the Vicinity of Plasmonic Metasurfaces. Nano Letters, 2016, 16, 4014-4018.	9.1	13
11	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
12	Magnetoplasmonic nanograting geometry enables optical nonreciprocity sign control. Optics Express, 2018, 26, 31554.	3.4	11
13	Optical spatiotemporal differentiator using a bilayer plasmonic grating. Optics Letters, 2021, 46, 4418.	3.3	9
14	Full optical confinement in 1D mesoscopic photonic crystal-based microcavities: an experimental demonstration. Optics Express, 2017, 25, 28288.	3.4	7
15	Broad-band plasmonic isolator compatible with low-gyrotropy magneto-optical material. Optics Express, 2021, 29, 4091.	3.4	5
16	Design of metallic nanoparticle gratings for filtering properties in the visible spectrum. Applied Optics, 2015, 54, 10359.	2.1	4
17	Integrated magneto-plasmonic isolation enhancement based on coupled resonances in subwavelength gold grating. Optics Communications, 2021, 483, 126633.	2.1	4
18	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

#	ARTICLE	IF	CITATIONS
19	Numerical demonstration of surface lattice resonance excitation in integrated localized surface plasmon waveguides. Optics Express, 2022, 30, 5835.	3.4	3
20	Optical Sensor based on a Mesoscopic Photonic Crystal Microcavity. , 2016, , .		2
21	Design of optical metasurfaces for innovative display devices. , 2019, , .		1
22	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
23	Design of mesoscopic photonic crystal waveguides. Journal of Engineering, 2019, 2019, 4628-4631.	1.1	0
24	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
25	Integrated Localized Plasmonics and Applications. , 2018, , .		0
26	Magneto-biplasmonic slot waveguide isolator. , 2021, , .		0
27	Design of a half-ring plasmonic tweezers for environmental monitoring. Optical Materials: X, 2022, 13, 100141.	0.8	0