

Filiz Yesilkoy

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,298
citations

471061

17
h-index

676716

22
g-index

38
all docs

38
docs citations

38
times ranked

3091
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging-based molecular barcoding with pixelated dielectric metasurfaces. <i>Science</i> , 2018, 360, 1105-1109.	6.0	726
2	Ultrasensitive hyperspectral imaging and biodetection enabled by dielectric metasurfaces. <i>Nature Photonics</i> , 2019, 13, 390-396.	15.6	546
3	Imaging-based spectrometer-less optofluidic biosensors based on dielectric metasurfaces for detecting extracellular vesicles. <i>Nature Communications</i> , 2021, 12, 3246.	5.8	137
4	Phase-sensitive plasmonic biosensor using a portable and large field-of-view interferometric microarray imager. <i>Light: Science and Applications</i> , 2018, 7, 17152-17152.	7.7	134
5	Plasmonic nanohole array biosensor for label-free and real-time analysis of live cell secretion. <i>Lab on A Chip</i> , 2017, 17, 2208-2217.	3.1	125
6	Nanoparticle-Enhanced Plasmonic Biosensor for Digital Biomarker Detection in a Microarray. <i>ACS Nano</i> , 2018, 12, 4453-4461.	7.3	123
7	Self-assembly of nanostructured glass metasurfaces via templated fluid instabilities. <i>Nature Nanotechnology</i> , 2019, 14, 320-327.	15.6	80
8	Early sepsis diagnosis via protein and miRNA biomarkers using a novel point-of-care photonic biosensor. <i>Analytica Chimica Acta</i> , 2019, 1077, 232-242.	2.6	71
9	Rapid and Digital Detection of Inflammatory Biomarkers Enabled by a Novel Portable Nanoplasmonic Imager. <i>Small</i> , 2020, 16, e1906108.	5.2	67
10	A Focused Asymmetric Metal-Insulator-Metal Tunneling Diode: Fabrication, DC Characteristics and RF Rectification Analysis. <i>IEEE Transactions on Electron Devices</i> , 2011, 58, 3519-3528.	1.6	49
11	Label-free Bacteria Quantification in Blood Plasma by a Bioprinted Microarray Based Interferometric Point-of-Care Device. <i>ACS Sensors</i> , 2019, 4, 52-60.	4.0	45
12	Solar spectrum rectification using nano-antennas and tunneling diodes. <i>Proceedings of SPIE</i> , 2010, , .	0.8	42
13	New Process Development for Planar-Type CIC Tunneling Diodes. <i>IEEE Electron Device Letters</i> , 2010, 31, 809-811.	2.2	24
14	Highly efficient and gentle trapping of single cells in large microfluidic arrays for time-lapse experiments. <i>Biomicrofluidics</i> , 2016, 10, 014120.	1.2	23
15	3D nanostructures fabricated by advanced stencil lithography. <i>Nanoscale</i> , 2016, 8, 4945-4950.	2.8	23
16	Optical Interrogation Techniques for Nanophotonic Biochemical Sensors. <i>Sensors</i> , 2019, 19, 4287.	2.1	21
17	Geometry enhanced asymmetric rectifying tunneling diodes. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, C6O50-C6O55.	0.6	20
18	Implementation of E-Beam Proximity Effect Correction using linear programming techniques for the fabrication of asymmetric bow-tie antennas. <i>Solid-State Electronics</i> , 2010, 54, 1211-1215.	0.8	14

#	ARTICLE	IF	CITATIONS
19	Multiplexed COVID-19 antibody quantification from human sera using label-free nanoplasmonic biosensors. <i>Biomedical Optics Express</i> , 2022, 13, 2130.	1.5	10
20	A Mid-IR Antenna Integrated with a Geometrically Asymmetrical Metal-Insulator-Metal Rectifying Diode. , 2013, , 163-188.		5
21	A new process for the fabrication of planar antenna coupled Niâ€“NiOxâ€“Ni tunnel junction devices. <i>Microelectronic Engineering</i> , 2012, 98, 329-333.	1.1	4
22	Optofluidic nanoplasmonic biosensor for label-free live cell analysis in real time. , 2018, , .		2
23	All-dielectric Metasurfaces for Infrared Absorption Spectroscopy Applications. , 2019, , .		1
24	Photonic Metasurfaces for Next-Generation Biosensors. , 2018, , .		1
25	Electrical Property of Platinum Micro Heater for Thermal Analysis of Microfluidic Device. <i>IEEE Transactions on Sensors and Micromachines</i> , 2015, 135, 338-342.	0.0	1
26	Nanophotonic Biosensors: from Plasmonic to Dielectric Metasurfaces. , 2019, , .		1
27	Lens-Free Interferometric Microscope for Point-of-Care Label-Free Detection of Sepsis Biomarkers. , 2019, , .		1
28	Label-free, scalable and point-of-care imaging platform for rapid analysis of biomarker. , 2019, , .		1
29	Implementation of e-beam proximity effect correction using linear programming techniques for the fabrication of asymmetric bow-tie antennas. , 2009, , .		0
30	Antenna-coupled metal-insulator-metal tunneling diode for energy harvesting. , 2011, , .		0
31	All-Dielectric High-Q Metasurfaces for Infrared Absorption Spectroscopy Applications. , 2019, , .		0
32	All-dielectric Metasurfaces Enabling Imaging-based Real-time Biosensing. , 2021, , .		0
33	Imaging-based Optofluidic Biosensors Enabled by All-dielectric metasurfaces. , 2021, , .		0
34	Towards a point-of-care nanoplasmonic biosensor for rapid and multiplexed detection of pathogenic infections. , 2018, , .		0
35	Integrated Nanophotonic Biosensors for Point-of Care Diagnostics and Bioanalytical Applications. , 2019, , .		0
36	Rapid and Digital Detection of Inflammatory Biomarkers Enabled by a Novel Portable Nanoplasmonic Imager. , 2020, , .		0