

Serap Aksu

List of Publications by Year in descending order

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34
papers

936
citations

759233

12
h-index

752698

20
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34
all docs

34
docs citations

34
times ranked

1567
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible Plasmonics on Unconventional and Nonplanar Substrates. <i>Advanced Materials</i> , 2011, 23, 4422-4430.	21.0	221
2	High-Throughput Nanofabrication of Infrared Plasmonic Nanoantenna Arrays for Vibrational Nanospectroscopy. <i>Nano Letters</i> , 2010, 10, 2511-2518.	9.1	209
3	Engineering mid-infrared nanoantennas for surface enhanced infrared absorption spectroscopy. <i>Materials Today</i> , 2015, 18, 436-446.	14.2	113
4	Large-scale plasmonic microarrays for label-free high-throughput screening. <i>Lab on A Chip</i> , 2011, 11, 3596.	6.0	87
5	Multi-resonant compact nanoaperture with accessible large nearfields. <i>Applied Physics B: Lasers and Optics</i> , 2015, 118, 29-38.	2.2	53
6	Multi-resonant metamaterials based on UT-shaped nano-aperture antennas. <i>Optics Express</i> , 2011, 19, 7921.	3.4	50
7	Plasmonically Enhanced Vibrational Biospectroscopy Using Low-Cost Infrared Antenna Arrays by Nanostencil Lithography. <i>Advanced Optical Materials</i> , 2013, 1, 798-803.	7.3	45
8	Nanoparticle-Based Metamaterials as Multiband Plasmonic Resonator Antennas. <i>IEEE Nanotechnology Magazine</i> , 2012, 11, 208-212.	2.0	38
9	Mid-infrared narrow band plasmonic perfect absorber for vibrational spectroscopy. <i>Sensors and Actuators A: Physical</i> , 2020, 301, 111757.	4.1	30
10	Reusable Nanostencils for Creating Multiple Biofunctional Molecular Nanopatterns on Polymer Substrate. <i>Nano Letters</i> , 2012, 12, 4817-4822.	9.1	24
11	Theoretical and experimental analysis of subwavelength bowtie-shaped antennas. <i>Journal of Electromagnetic Waves and Applications</i> , 2015, 29, 1686-1698.	1.6	18
12	A hybrid broadband metalens operating at ultraviolet frequencies. <i>Scientific Reports</i> , 2021, 11, 2303.	3.3	14
13	A Narrow-Band Multi-Resonant Metamaterial in Near-IR. <i>Materials</i> , 2020, 13, 5140.	2.9	9
14	Experimental Study of a Quad-Band Metamaterial-Based Plasmonic Perfect Absorber as a Biosensor. <i>Molecules</i> , 2022, 27, 4576.	3.8	7
15	Flexible Plasmonics: Flexible Plasmonics on Unconventional and Nonplanar Substrates (<i>Adv. Mater.</i>) Tj ETQq1 1 0.784314 rgBT /Overl	21.0	221
16	Nanostencil lithography for high-throughput fabrication of infrared plasmonic sensors. , 2011, , .		3
17	Lithography: Plasmonically Enhanced Vibrational Biospectroscopy Using Low-Cost Infrared Antenna Arrays by Nanostencil Lithography (<i>Advanced Optical Materials</i> 11/2013). <i>Advanced Optical Materials</i> , 2013, 1, 780-780.	7.3	3
18	Large-scale Plasmonic Microarray: A New Approach for Label-free High-throughput Biosensing and Screening. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
19	Optical Transmission through Optically Thin and Thick Sub-wavelength Hole Arrays. Materials Research Society Symposia Proceedings, 2009, 1208, 1.	0.1	1
20	Plasmonics for ultrasensitive biomolecular nanospectroscopy. , 2010, , .		1
21	U-shaped nano-apertures for enhanced optical transmission and resolution. Proceedings of SPIE, 2011, , .	0.8	1
22	High-throughput nanofabrication of plasmonic structures and metamaterials with high resolution nanostencil lithography. Proceedings of SPIE, 2011, , .	0.8	1
23	Single Cell Interrogation using Optofluidic Platforms for Systems Immunology. MRS Advances, 2016, 1, 3783-3788.	0.9	1
24	High Resolution Large Area Nanopatterning for Plasmonics and Metamaterials with Nanostencil Lithography. , 2011, , .		1
25	Engineered plasmonic nanoantenna arrays with nanostencil lithography. , 2010, , .		0
26	Nanoplasmonic systems for ultrasensitive biomolecular detection and identification. , 2010, , .		0
27	High-throughput Fabrication of Plasmonic Nanoantenna Arrays Using Nanostencils for Spectroscopy and Biosensing. , 2011, , .		0
28	Optical properties of UT-shaped plasmonic nanoaperture antennas. Proceedings of SPIE, 2011, , .	0.8	0
29	High-throughput engineering of infrared plasmonic nanoantenna arrays with nanostencil lithography. Proceedings of SPIE, 2011, , .	0.8	0
30	Plasmon enhanced detectors for smart lighting applications. , 2011, , .		0
31	Compact and multi-resonant plasmonic metamaterials based on nano-apertures. , 2011, , .		0
32	Integrated plasmonic systems for ultrasensitive spectroscopy and biodetection. , 2011, , .		0
33	Integrated plasmonic nanobiosensors. , 2013, , .		0
34	Investigating Monolayer Protein-Protein Binding using Surface Enhanced IR Spectroscopy. , 2019, , .		0