

# Ronen Adato

## List of Publications by Year in descending order

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38  
papers

3,370  
citations

394421

19  
h-index

713466

21  
g-index

38  
all docs

38  
docs citations

38  
times ranked

3806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fano-resonant asymmetric metamaterials for ultrasensitive spectroscopy and identification of molecular monolayers. <i>Nature Materials</i> , 2012, 11, 69-75.	27.5	930
2	Ultra-sensitive vibrational spectroscopy of protein monolayers with plasmonic nanoantenna arrays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19227-19232.	7.1	593
3	Dual-Band Perfect Absorber for Multispectral Plasmon-Enhanced Infrared Spectroscopy. <i>ACS Nano</i> , 2012, 6, 7998-8006.	14.6	459
4	In-situ ultra-sensitive infrared absorption spectroscopy of biomolecule interactions in real time with plasmonic nanoantennas. <i>Nature Communications</i> , 2013, 4, 2154.	12.8	319
5	High-Throughput Nanofabrication of Infrared Plasmonic Nanoantenna Arrays for Vibrational Nanospectroscopy. <i>Nano Letters</i> , 2010, 10, 2511-2518.	9.1	209
6	Engineered Absorption Enhancement and Induced Transparency in Coupled Molecular and Plasmonic Resonator Systems. <i>Nano Letters</i> , 2013, 13, 2584-2591.	9.1	162
7	Engineering mid-infrared nanoantennas for surface enhanced infrared absorption spectroscopy. <i>Materials Today</i> , 2015, 18, 436-446.	14.2	113
8	Radiative engineering of plasmon lifetimes in embedded nanoantenna arrays. <i>Optics Express</i> , 2010, 18, 4526.	3.4	107
9	Extended long range plasmon waves in finite thickness metal film and layered dielectric materials. <i>Optics Express</i> , 2006, 14, 12409.	3.4	88
10	On Chip Plasmonic Monopole Nano-Antennas and Circuits. <i>Nano Letters</i> , 2011, 11, 5219-5226.	9.1	64
11	Control of 2D plasmon-polariton mode with dielectric nanolayers. <i>Optics Express</i> , 2008, 16, 1232.	3.4	48
12	Nanoimaging and Control of Molecular Vibrations through Electromagnetically Induced Scattering Reaching the Strong Coupling Regime. <i>ACS Photonics</i> , 2018, 5, 3594-3600.	6.6	46
13	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
14	Characteristics of ultra-long range surface plasmon waves at optical frequencies. <i>Optics Express</i> , 2007, 15, 5008.	3.4	42
15	Rational design and optimization of plasmonic nanoarrays for surface enhanced infrared spectroscopy. <i>Optics Express</i> , 2012, 20, 11953.	3.4	30
16	Hybridized nanocavities as single-polarized plasmonic antennas. <i>Optics Express</i> , 2009, 17, 20900.	3.4	28
17	Angle-and polarization-dependent collective excitation of plasmonic nanoarrays for surface enhanced infrared spectroscopy. <i>Optics Express</i> , 2011, 19, 11202.	3.4	27
18	Reusable Nanostencils for Creating Multiple Biofunctional Molecular Nanopatterns on Polymer Substrate. <i>Nano Letters</i> , 2012, 12, 4817-4822.	9.1	24

#	ARTICLE	IF	CITATIONS
19	Modification of dispersion, localization, and attenuation of thin metal stripe symmetric surface plasmon-polariton modes by thin dielectric layers. Journal of Applied Physics, 2009, 105, 034306.	2.5	20
20	Novel metal-dielectric structures for guiding ultra-long-range surface plasmon-polaritons at optical frequencies. Proceedings of SPIE, 2007, , .	0.8	6
21	Nanostencil lithography for high-throughput fabrication of infrared plasmonic sensors. , 2011, , .		3
22	Lithography: Plasmonically Enhanced Vibrational Biospectroscopy Using Low-Cost Infrared Antenna Arrays by Nanostencil Lithography (Advanced Optical Materials 11/2013). Advanced Optical Materials, 2013, 1, 780-780.	7.3	3
23	Plasmonics for ultrasensitive biomolecular nanospectroscopy. , 2010, , .		1
24	Multi-Band Surface Enhanced Infrared Absorption Spectroscopy of Molecular Monolayers. , 2013, , .		1
25	Infrared Vibrational Molecular Hybridization with a Single Optical Antenna. , 2015, , .		1
26	High Resolution Large Area Nanopatterning for Plasmonics and Metamaterials with Nanostencil Lithography. , 2011, , .		1
27	Engineering Surface Plasmon-Polaritons with Hetero-Dielectric Nanolayers for Ultra-long Range Propagation, Anomalous Dispersion, and Nanoscale Confinement. , 2008, , .		0
28	Surface excitation of hybridized plasmons in metallic nanocavities. , 2009, , .		0
29	Sharp plasmon resonances in periodic arrays of embedded nanorods. , 2009, , .		0
30	Surface Enhanced Vibrational Spectroscopy of Proteins with Plasmonic Nanoantenna Arrays. Materials Research Society Symposia Proceedings, 2010, 1248, 1002.	0.1	0
31	Engineered plasmonic nanoantenna arrays with nanostencil lithography. , 2010, , .		0
32	Nanoplasmonic systems for ultrasensitive biomolecular detection and identification. , 2010, , .		0
33	High-throughput Fabrication of Plasmonic Nanoantenna Arrays Using Nanostencils for Spectroscopy and Biosensing. , 2011, , .		0
34	High-throughput engineering of infrared plasmonic nanoantenna arrays with nanostencil lithography. Proceedings of SPIE, 2011, , .	0.8	0
35	Integrated plasmonic systems for ultrasensitive spectroscopy and biodetection. , 2011, , .		0
36	Ultra-long range surface plasmon-polaritons at optical frequencies. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
37	Accessible Field Enhancements with Plasmonic Nanoparticles on Nanopedestals for Nanospectroscopy. , 2011, , .		0
38	Ultra-sensitive time-resolved infrared spectroscopy of biomolecule interactions with plasmonic nanoantennas. , 2014, , .		0