

# Durdu A- GÃ¼ney

## List of Publications by Year in descending order

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43  
papers

938  
citations

471371  
17  
h-index

454834  
30  
g-index

43  
all docs

43  
docs citations

43  
times ranked

968  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonreciprocal magneto-optic beam splitting. Optical Materials Express, 2022, 12, 885.	1.6	2
2	Effect of loss on linear optical quantum logic gates. Journal of the Optical Society of America B: Optical Physics, 2021, 38, C153.	0.9	2
3	Ultra-Thin Metamaterial Beam Splitters. Applied Sciences (Switzerland), 2020, 10, 53.	1.3	8
4	Theory of coherent active convolved illumination for superresolution enhancement. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2452.	0.9	6
5	Loss compensation in metamaterials and plasmonics with virtual gain [Invited]. Optical Materials Express, 2020, 10, 1862.	1.6	8
6	Adverse effect of material absorption on stopped light hollow waveguides with negative index metamaterial cladding. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 248.	0.9	1
7	Scalable honeycomb top contact to increase the light absorption and reduce the series resistance of thin film solar cells. Optical Materials Express, 2019, 9, 256.	1.6	8
8	Super-resolution enhancement with active convolved illumination and correlations. , 2019, , .		1
9	Plasmonic Superlens Imaging Enhanced by Incoherent Active Convolved Illumination. ACS Photonics, 2018, 5, 1294-1302.	3.2	13
10	Enhanced superlens imaging with loss-compensating hyperbolic near-field spatial filter. Optics Letters, 2018, 43, 1810.	1.7	15
11	Hyperbolic Metamaterial as a Tunable Near-Field Spatial Filter to Implement Active Plasmon-Injection Loss Compensation. Physical Review Applied, 2018, 10, .	1.5	11
12	Spatial filtering of evanescent waves with rough multilayer hyperbolic metamaterials. , 2018, , .		0
13	Enhancement of hydrogenated amorphous silicon solar cells with front-surface hexagonal plasmonic arrays from nanoscale lithography. Journal of Optics (United Kingdom), 2017, 19, 075901.	1.0	4
14	Analytical description of inverse filter emulating the plasmon injection loss compensation scheme and implementation for ultrahigh-resolution hyperlens. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1310.	0.9	10
15	Active plasmon injection scheme for subdiffraction imaging with imperfect negative index flat lens. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1478.	0.9	9
16	Plasmonic superlens image reconstruction using intensity data and equivalence to structured light illumination for compensation of losses. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 2161.	0.9	11
17	Enhanced Faraday rotation in hybrid magneto-optical metamaterial structure of bismuth-substituted-iron-garnet with embedded-gold-wires. Journal of Applied Physics, 2016, 119, .	1.1	25
18	Distillation of photon entanglement using a plasmonic metamaterial. Scientific Reports, 2016, 5, 18313.	1.6	29

#	ARTICLE	IF	CITATIONS
19	Review of near-field optics and superlenses for sub-diffraction-limited nano-imaging. AIP Advances, 2016, 6, .	0.6	37
20	Bringing the “perfect lens” into focus by near-perfect compensation of losses without gain media. New Journal of Physics, 2016, 18, 125004.	1.2	19
21	Plasmonic enhancement of amorphous silicon solar photovoltaic cells with hexagonal silver arrays made with nanosphere lithography. Materials Research Express, 2016, 3, 105034.	0.8	12
22	A new method of preparing highly conductive ultra-thin indium tin oxide for plasmonic-enhanced thin film solar photovoltaic devices. Solar Energy Materials and Solar Cells, 2016, 149, 250-257.	3.0	46
23	Plasmon Injection to Compensate and Control Losses in Negative Index Metamaterials. Physical Review Letters, 2015, 115, 035502.	2.9	42
24	Limitations of ultra-thin transparent conducting oxides for integration into plasmonic-enhanced thin-film solar photovoltaic devices. Materials for Renewable and Sustainable Energy, 2015, 4, 1.	1.5	17
25	Estimating the image spectrum signal-to-noise ratio for imaging through scattering media. Optical Engineering, 2015, 54, 013102.	0.5	4
26	Reconstruction of images degraded by aerosol scattering and measurement noise. Optical Engineering, 2015, 54, 033101.	0.5	12
27	Enhancement of photothermal heat generation by metalodielectric nanoplasmonic clusters. Optics Express, 2015, 23, A682.	1.7	34
28	Quantum entanglement distillation with metamaterials. Optics Express, 2015, 23, 17941.	1.7	22
29	Tunable Room Temperature THz Sources Based on Nonlinear Mixing in a Hybrid Optical and THz Micro-Ring Resonator. Scientific Reports, 2015, 5, 9422.	1.6	22
30	Hyperbolic metamaterial feasible for fabrication with direct laser writing processes. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 1013.	0.9	10
31	Light amplification in metamaterials by surface plasmon polariton injection. , 2014, , .		0
32	Multi-resonant silver nano-disk patterned thin film hydrogenated amorphous silicon solar cells for Staebler-Wronski effect compensation. Journal of Applied Physics, 2014, 116, .	1.1	34
33	Detailed effects of scattering and absorption by haze and aerosols in the atmosphere on the average point spread function of an imaging system. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 1312.	0.8	17
34	Exchanging Ohmic Losses in Metamaterial Absorbers with Useful Optical Absorption for Photovoltaics. Scientific Reports, 2014, 4, 4901.	1.6	133
35	Quantum dynamics of a three-level trapped ion under a time-dependent interaction with laser beams. European Physical Journal D, 2013, 67, 1.	0.6	8
36	Optical Absorption in Nano-Structures: Classical and Quantum Models. ISRN Nanomaterials, 2013, 2013, 1-7.	0.7	6

#	ARTICLE	IF	CITATIONS
37	Dual-band, double-negative, polarization-independent metamaterial for the visible spectrum. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2839.	0.9	20
38	Surface plasmon driven electric and magnetic resonators for metamaterials. Physical Review B, 2011, 83, .	1.1	24
39	Surface plasmon driven scalable low-loss negative-index metamaterial in the visible spectrum. Physical Review B, 2011, 84, .	1.1	21
40	Intra-connected three-dimensionally isotropic bulk negative index photonic metamaterial. Optics Express, 2010, 18, 12348.	1.7	49
41	Reducing ohmic losses in metamaterials by geometric tailoring. Physical Review B, 2009, 80, .	1.1	84
42	Connected bulk negative index photonic metamaterials. Optics Letters, 2009, 34, 506.	1.7	39
43	Negative refraction gives rise to the Klein paradox. Physical Review A, 2009, 79, .	1.0	63