

Kursat Sendur

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

928
citations

516710

16
h-index

477307

29
g-index

60
all docs

60
docs citations

60
times ranked

951
citing authors

#	ARTICLE	IF	CITATIONS
1	Passive radiative cooling design with broadband optical thin-film filters. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 198, 179-186.	2.3	153
2	Ridge waveguide as a near field aperture for high density data storage. <i>Journal of Applied Physics</i> , 2004, 96, 2743-2752.	2.5	77
3	Broadband plasmonic nanoantenna with an adjustable spectral response. <i>Optics Express</i> , 2011, 19, 1000.	3.4	54
4	Near-Field Radiation from a Ridge Waveguide Transducer in the Vicinity of a Solid Immersion Lens. <i>Physical Review Letters</i> , 2005, 94, 043901.	7.8	51
5	The effect of nanoparticle type and nanoparticle mass fraction on heat transfer enhancement in pool boiling. <i>International Journal of Heat and Mass Transfer</i> , 2017, 109, 157-166.	4.8	51
6	Thermo-magneto-mechanical analysis of head-disk interface in heat assisted magnetic recording. <i>Tribology International</i> , 2005, 38, 588-593.	5.9	35
7	Pressure drop and heat transfer characteristics of nanofluids in horizontal microtubes under thermally developing flow conditions. <i>Experimental Thermal and Fluid Science</i> , 2015, 67, 37-47.	2.7	34
8	Circularly and elliptically polarized near-field radiation from nanoscale subwavelength apertures. <i>Applied Physics Letters</i> , 2010, 96, 141104.	3.3	27
9	Subcooled flow boiling heat transfer of Al_2O_3 /water nanofluids in horizontal microtubes and the effect of surface characteristics and nanoparticle deposition. <i>Applied Thermal Engineering</i> , 2017, 127, 536-546.	6.0	25
10	Spectrally selective filter design for passive radiative cooling. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, 1173.	2.1	23
11	Femtosecond pulse shaping by ultrathin plasmonic metasurfaces. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, A1.	2.1	22
12	Interaction of spherical nanoparticles with a highly focused beam of light. <i>Optics Express</i> , 2008, 16, 2874.	3.4	21
13	Near-field optical power transmission of dipole nano-antennas. <i>Applied Physics B: Lasers and Optics</i> , 2009, 96, 325-335.	2.2	21
14	Patterned medium for heat assisted magnetic recording. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	20
15	Unidirectional broadband radiation of honeycomb plasmonic antenna array with broken symmetry. <i>Optics Express</i> , 2011, 19, 22731.	3.4	20
16	Synthesis and Morphological Control of VO_2 Nanostructures via a One-Step Hydrothermal Method. <i>Nanomaterials</i> , 2021, 11, 752.	4.1	19
17	Boiling heat transfer enhancement of magnetically actuated nanofluids. <i>Applied Physics Letters</i> , 2013, 102, 163107.	3.3	18
18	Surface Roughness Effects on the Broadband Reflection for Refractory Metals and Polar Dielectrics. <i>Materials</i> , 2019, 12, 3090.	2.9	16

#	ARTICLE	IF	CITATIONS
19	Femtosecond pulse shaping using plasmonic snowflake nanoantennas. <i>Physical Review A</i> , 2011, 84, .	2.5	15
20	Experimental and Numerical Investigation of Inlet Temperature Effect on Convective Heat Transfer of $\text{Al}_2\text{O}_3/\text{Water}$ Nanofluid Flows in Microtubes. <i>Heat Transfer Engineering</i> , 2019, 40, 738-752.	1.9	15
21	Effect of electrostatic stabilization on thermal radiation transfer in nanosuspensions: Photo-thermal energy conversion applications. <i>Renewable Energy</i> , 2018, 119, 625-640.	8.9	14
22	Interaction of radially polarized focused light with a prolate spheroidal nanoparticle. <i>Optics Express</i> , 2009, 17, 10910.	3.4	13
23	Engineering the broadband spectrum of close-packed plasmonic honeycomb array surfaces. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 120, 70-80.	2.3	13
24	Enhancing the spectral reflectance of refractory metals by multilayer optical thin-film coatings. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 1845.	2.1	13
25	Circularly polarized localized near-field radiation at the nanoscale. <i>Applied Physics B: Lasers and Optics</i> , 2010, 99, 67-74.	2.2	10
26	Tunable Surface Plasmon and Phonon Polariton Interactions for Moderately Doped Semiconductor Surfaces. <i>Scientific Reports</i> , 2016, 6, 34071.	3.3	10
27	Entropy Generation Analysis of Laminar Flows of Water-Based Nanofluids in Horizontal Minutubes under Constant Heat Flux Conditions. <i>Entropy</i> , 2018, 20, 242.	2.2	10
28	Increasing the stability of nanofluids with cavitating flows in micro orifices. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	9
29	Temperature-driven switchable-beam Yagi-Uda antenna using VO ₂ semiconductor-metal phase transitions. <i>Optics Communications</i> , 2017, 392, 109-113.	2.1	9
30	Thermally controlled femtosecond pulse shaping using metasurface based optical filters. <i>Nanophotonics</i> , 2018, 7, 659-668.	6.0	9
31	Selective IR response of highly textured phase change VO ₂ nanostructures obtained via oxidation of electron beam deposited metallic V films. <i>Optical Materials Express</i> , 2018, 8, 2035.	3.0	9
32	Effect of fly height and refractive index on the transmission efficiency of near-field optical transducers. <i>Applied Physics Letters</i> , 2006, 88, 091110.	3.3	8
33	Plasmonic spiderweb nanoantenna surface for broadband hotspot generation. <i>Optics Letters</i> , 2014, 39, 6977.	3.3	8
34	Tungsten Based Spectrally Selective Absorbers with Anisotropic Rough Surface Texture. <i>Nanomaterials</i> , 2021, 11, 2018.	4.1	7
35	Localized radiative energy transfer from a plasmonic bow-tie nano-antenna to a magnetic thin film stack. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 103, 703-707.	2.3	6
36	Absorption efficiency enhancement in inorganic and organic thin film solar cells via plasmonic honeycomb nanoantenna arrays. <i>Optics Letters</i> , 2013, 38, 3119.	3.3	6

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37	Morphology induced spectral reflectance lineshapes in VO ₂ thin films. Journal of Applied Physics, 2019, 125, .	2.5	6
38	Crossover of spectral reflectance lineshapes in Ge-doped VO ₂ thin films. Optical Materials, 2020, 104, 109890.	3.6	6
39	Temperature assisted reflection control using VO ₂ /Si core-shell nanoparticles. Optical Materials Express, 2022, 12, 2974.	3.0	6
40	Broadband infrared reflective surfaces using doped and stacked polar dielectric layers. AIP Advances, 2018, 8, 025213.	1.3	5
41	Sensitivity of a tapered fiber refractive index sensor at diameters comparable to wavelength. Optik, 2022, 265, 169417.	2.9	5
42	An integral equation based numerical solution for nanoparticles illuminated with collimated and focused light. Optics Express, 2009, 17, 7419.	3.4	4
43	Focusing short-wavelength surface plasmons by a plasmonic mirror. Optics Letters, 2018, 43, 2208.	3.3	4
44	Perpendicular oriented single-pole nano-optical transducer. Optics Express, 2010, 18, 4920.	3.4	3
45	Optical Transmission Enhancement of Stacked Plasmonic Apertures. Journal of Lightwave Technology, 2016, 34, 961-968.	4.6	3
46	Origins of the enhanced broadband absorption in black silicon. Journal of Applied Physics, 2021, 129, .	2.5	3
47	Impedance mismatch-based enhancement of broadband reflectance of tungsten with bio-inspired multilayers. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 276, 107899.	2.3	3
48	Integrating Magnetic Heads With Plasmonic Nanostructures in Multilayer Configurations. IEEE Transactions on Magnetics, 2013, 49, 3687-3690.	2.1	2
49	A Theoretical Treatment of THz Resonances in Semiconductor GaAs p-n Junctions. Materials, 2019, 12, 2412.	2.9	2
50	Near-Field Radiation from Nano-Particles and Nano-Antennas Illuminated with a Focused Beam of Light. Materials Research Society Symposia Proceedings, 2009, 1182, 93.	0.1	1
51	Tuning the polarization states of optical spots at the nanoscale on the Poincaré sphere using a plasmonic nanoantenna. Applied Physics A: Materials Science and Processing, 2011, 103, 855-858.	2.3	1
52	Ferroelectric/Semiconductor/Tunnel-Junction Stacks for Nondestructive and Low-Power Read-Out Memory. IEEE Transactions on Electron Devices, 2016, 63, 2374-2379.	3.0	1
53	Chimera states in plasmonic nanoresonators. Photonics Research, 2018, 6, 427.	7.0	1
54	Deagglomeration of nanoparticle clusters in a cavitation on chip device. AIP Advances, 2020, 10, 115204.	1.3	1

#	ARTICLE	IF	CITATIONS
55	Obtaining Circularly Polarized Optical Spots Beyond the Diffraction Limit Using Plasmonic Nano-Antennas. Materials Research Society Symposia Proceedings, 2009, 1208, 1.	0.1	0
56	Polarization Aspects of Localized Optical Spots Obtained Using Plasmonic Nano-Antennas. Materials Research Society Symposia Proceedings, 2010, 1248, 1404.	0.1	0
57	Optical aspects of the interaction of focused beams with plasmonic nanoparticles. , 2011, , .		0
58	Interplay Between In-Plane and Out-of-Plane Resonances of Heptamer Oligomer Nanoapertures. Journal of Lightwave Technology, 2017, 35, 186-192.	4.6	0
59	Temperature and pressure effects on the spectral reflection of layered polar dielectrics. Materials Research Express, 2018, 5, 116207.	1.6	0
60	Enhancing Spectral Reflection through Controlled Phase Distribution Using Doped Polar-Dielectric Metasurfaces. Materials, 2020, 13, 2007.	2.9	0