

Akhlesh Lakhtakia

List of Publications by Year in descending order

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992
papers

17,887
citations

28274

55
h-index

48315

88
g-index

1055
all docs

1055
docs citations

1055
times ranked

6081
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying the influence of surface texture waveforms on colors of polished surfaces using an explainable AI approach. IISE Transactions, 2023, 55, 731-745.	2.4	1
2	Pixelated metasurfaces for linear-polarization conversion and absorption. Journal of Electromagnetic Waves and Applications, 2022, 36, 1008-1019.	1.6	13
3	Grating-coupled excitation of high-phase-speed Dyakonov surface waves. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 474.	2.1	0
4	Experimental detection of Immunoglobulin G by prism-coupled angular interrogation and a support vector machine. Journal of Nanophotonics, 2022, 16, .	1.0	3
5	Transmissive terahertz metasurfaces with vanadium dioxide split-rings and grids for switchable asymmetric polarization manipulation. Scientific Reports, 2022, 12, 3518.	3.3	15
6	Hybridization of the rigorous coupled-wave approach with transformation optics for electromagnetic scattering by a surface-relief grating. Journal of Computational and Applied Mathematics, 2022, , 114338.	2.0	2
7	Thermally controllable reduction of absorption and extinction of a dielectric sphere by an InSb coating. Optik, 2022, 260, 168992.	2.9	4
8	Pixelated bicontrollable metasurface absorber tunable in complete X band. Journal of Electromagnetic Waves and Applications, 2022, 36, 2505-2518.	1.6	2
9	Thermal-hysteresis-affected surface-plasmon-polariton-wave propagation. Materials Letters, 2022, 324, 132648.	2.6	5
10	Exceptional compound plasmon-polariton waves guided by a metal film embedded in a uniaxial dielectric material. Optics Communications, 2021, 483, 126628.	2.1	5
11	Analysis of the Rigorous Coupled Wave Approach for p -polarized light in gratings. Journal of Computational and Applied Mathematics, 2021, 386, 113235.	2.0	6
12	High-phase-speed Dyakonov surface waves. Journal of Nanophotonics, 2021, 15, .	1.0	1
13	Biologically Inspired Design: A Primer. Synthesis Lectures on Engineering Science and Technology, 2021, 3, 1-115.	0.2	0
14	Exceptional compound plasmon-polariton waves. OSA Continuum, 2021, 4, 748.	1.8	4
15	On colors of stainless-steel surfaces polished with magnetic abrasives. Applied Optics, 2021, 60, 2549.	1.8	1
16	A multiplicity of exceptional compound plasmon-polariton waves. Journal of Modern Optics, 2021, 68, 284-294.	1.3	1
17	Singular existence of a Dyakonov-Voigt surface wave: Proof. Results in Physics, 2021, 24, 104140.	4.1	1
18	Theory of grating-coupled excitation of Dyakonov surface waves (Erratum). Optical Engineering, 2021, 60, .	1.0	1

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19	Theory of Graded-Bandgap Thin-Film Solar Cells. Synthesis Lectures on Electromagnetics, 2021, 2, 1-140.	1.3	1
20	Bicontrollable metasurface absorber with nine-pixel meta-atoms. , 2021, , .		1
21	Morphological effects on the excitation of surface waves in the grating-coupled configuration. , 2021, , .		0
22	High-throughput DNA sequencing of environmentally insulated latent fingerprints after visualization with nanoscale columnar-thin-film technique. Science and Justice - Journal of the Forensic Science Society, 2021, 61, 505-515.	2.1	4
23	Theory of artificial-neural-network-based simultaneous optical sensing of two analytes using sculptured thin films. Journal of Nanophotonics, 2021, 15, .	1.0	1
24	Theory of Perturbation of Electrostatic Field by an Anisotropic Dielectric Sphere. Quarterly Journal of Mechanics and Applied Mathematics, 2021, 74, 467-490.	1.3	3
25	Thin film solar cells with graded-bandgap photon-absorbing layer. , 2021, , 239-264.		0
26	Exceptional Guided Waves. , 2021, , .		0
27	Optoelectronic Modeling of Graded-Bandgap Thin-Film Solar Cells. , 2021, , .		0
28	Enhanced efficiency of graded-bandgap thin-film solar cells due to concentrated sunlight. Applied Optics, 2021, 60, 10570.	1.8	3
29	Sufficient Conditions for Zero Backscattering by a Uniaxial Dielectric-Magnetic Scatterer Endowed With Magnetolectric Gyrotropy. IEEE Transactions on Antennas and Propagation, 2020, 68, 1023-1030.	5.1	3
30	Analysis of the Rigorous Coupled Wave Approach for s -polarized light in gratings. Journal of Computational and Applied Mathematics, 2020, 368, 112478.	2.0	7
31	Coupled optoelectronic simulation and optimization of thin-film photovoltaic solar cells. Journal of Computational Physics, 2020, 407, 109242.	3.8	25
32	Corrigendum to "Coupled optoelectronic simulation and optimization of thin-film photovoltaic solar cells" [J. Comput. Phys. 407 (2020) 109242]. Journal of Computational Physics, 2020, 418, 109561.	3.8	9
33	Double-absorber thin-film solar cell with 34% efficiency. Applied Physics Letters, 2020, 117, .	3.3	11
34	Biomimetic Random Arrays of Nanopillars and Nanocones with Robust Antiwetting Characteristics. Journal of Physical Chemistry C, 2020, 124, 17095-17102.	3.1	5
35	Two Dyakonov-Voigt surface waves guided by a biaxial isotropic dielectric interface. Scientific Reports, 2020, 10, 12894.	3.3	6
36	Tricontrollable pixelated metasurface for stopband for terahertz radiation. Journal of Electromagnetic Waves and Applications, 2020, 34, 2065-2078.	1.6	18

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37	Development of environmentally insulted fingermarks on nonporous forensically relevant substrates with conformal columnar thin films. <i>Journal of the Canadian Society of Forensic Science</i> , 2020, 53, 149-172.	0.9	5
38	Multiple Rayleigh waves guided by the planar surface of a continuously twisted structurally chiral material. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20200314.	2.1	1
39	Massively parallel sequencing and STR analysis from partial bloody fingerprints enhanced with columnar thin films. <i>Forensic Science International: Genetics</i> , 2020, 49, 102369.	3.1	3
40	Localization of pulse-modulated surface-plasmon-polariton wave guided by a planar silicon/silver interface. <i>Journal of Modern Optics</i> , 2020, 67, 811-815.	1.3	0
41	Towards highly efficient thin-film solar cells with a graded-bandgap CZTSSe layer. <i>JPhys Energy</i> , 2020, 2, 025004.	5.3	10
42	Theory of Dyakonovâ€™Tamm surface waves featuring Dyakonovâ€™Tammâ€™Voigt surface waves. <i>Optik</i> , 2020, 211, 164575.	2.9	10
43	The Transfer-Matrix Method in Electromagnetics and Optics. <i>Synthesis Lectures on Electromagnetics</i> , 2020, 1, 1-126.	1.3	18
44	Electromagnetic surface waves at exceptional points. <i>European Journal of Physics</i> , 2020, 42, 015302.	0.6	10
45	Graphene-sandwich metasurface as a frequency shifter, switch, and isolator at terahertz frequencies. <i>Optical Engineering</i> , 2020, 59, .	1.0	6
46	Effect of orientation on excitation of surface-plasmon-polariton waves guided by a columnar thin film deposited on a metal grating. <i>Optical Engineering</i> , 2020, 59, 1.	1.0	4
47	Optoelectronic optimization of graded-bandgap thin-film AlGaAs solar cells. <i>Applied Optics</i> , 2020, 59, 1018.	1.8	12
48	Efficiency enhancement of ultrathin CIGS solar cells by optimal bandgap grading: erratum. <i>Applied Optics</i> , 2020, 59, 2615.	1.8	6
49	Magnetically tunable metasurface comprising InAs and InSb pixels for absorbing terahertz radiation. <i>Applied Optics</i> , 2020, 59, 9673.	1.8	26
50	From unexceptional to doubly exceptional surface waves. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, 2444.	2.1	11
51	Effect of orientation on excitation of surface-plasmon-polariton waves guided by a columnar thin film deposited on a metal grating (Erratum). <i>Optical Engineering</i> , 2020, 59, 1.	1.0	1
52	Multiple trains of same-color surface plasmon-polaritons guided by the planar interface of a metal and a sculptured nematic thin film. Part V: Grating-coupled excitation (Erratum). <i>Journal of Nanophotonics</i> , 2020, 14, 1.	1.0	0
53	Left/right asymmetry of the dipole field due to reflection from a periodic multilayer of a topological insulator and a columnar thin film. <i>Optics Express</i> , 2020, 28, 22266.	3.4	1
54	Charge Buildup and Leakage Current in Gold/Parylene-C/ Pentacene Capacitor under Constant-Voltage Stress. <i>Flexible and Printed Electronics</i> , 2020, 5, 035003.	2.7	1

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55	Theory of grating-coupled excitation of Dyakonov surface waves. <i>Optical Engineering</i> , 2020, 59, 1.	1.0	2
56	Information Transfer by Near-Infrared Surface-Plasmon-Polariton Waves on Silver/Silicon Interfaces. <i>Scientific Reports</i> , 2019, 9, 12095.	3.3	6
57	Exorcizing ghost waves. <i>Optik</i> , 2019, 192, 162926.	2.9	2
58	Dyakonov-Voigt surface waves. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019, 475, 20190317.	2.1	25
59	Surface waves with negative phase velocity supported by temperature-dependent hyperbolic materials. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 085103.	2.2	4
60	Effects of constant-voltage stress on the stability of Parylene-C columnar microfibrillar thin films. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019, 26, 270-275.	2.9	4
61	Surface-plasmon-polariton wave propagation supported by anisotropic materials: Multiple modes and mixed exponential and linear localization characteristics. <i>Physical Review A</i> , 2019, 100, .	2.5	21
62	Hybrid Nanostructured Porous Silicon-Silver Layers for Wideband Optical Absorption. <i>Scientific Reports</i> , 2019, 9, 7291.	3.3	20
63	Long-wavelength infrared characteristics of multifunctional microfibrillar thin films of Parylene C. <i>Microwave and Optical Technology Letters</i> , 2019, 61, 2206-2209.	1.4	1
64	Comment on: "Wide incidence angle and polarization insensitive dual broad-band metamaterial absorber based on concentric split and continuous rings resonator structure". <i>Materials Research Express</i> , 2019, 6, 088002.	1.6	7
65	Planewave response of a simple Lorentz-nonreciprocal medium with magnetoelectric gyrotropy. <i>Optik</i> , 2019, 182, 372-381.	2.9	2
66	Effect of chemical potential on Dyakonov-Tamm waves guided by a graphene-coated structurally chiral medium. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 055002.	2.2	4
67	Electrostatic and thermal control of Dyakonov-Tamm waves guided by a graphene-coated structurally chiral medium. , 2019, , .		0
68	Toward Information Transfer Around a Concave Corner by a Surface-Plasmon-Polariton Wave. <i>IEEE Photonics Journal</i> , 2019, 11, 1-12.	2.0	6
69	Universally Applicable Fabrication Technique for Biomimetic Nanocone Arrays on Flexible Polymer Substrates for Anti-Reflection Functionality. <i>Journal of Micro and Nano-Manufacturing</i> , 2019, 7, .	0.7	3
70	Artificial neural network to estimate the refractive index of a liquid infiltrating a chiral sculptured thin film. <i>Journal of Nanophotonics</i> , 2019, 13, 1.	1.0	4
71	Enhanced left/right asymmetry in reflection and transmission due to a periodic multilayer of a topological insulator and an anisotropic dielectric material. <i>Applied Optics</i> , 2019, 58, 1724.	1.8	5
72	Efficiency enhancement of ultrathin CIGS solar cells by optimal bandgap grading. <i>Applied Optics</i> , 2019, 58, 6067.	1.8	28

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73	Tricontrollable pixelated metasurface for absorbing terahertz radiation. <i>Applied Optics</i> , 2019, 58, 9614.	1.8	24
74	Graphene pixel-based polarization-insensitive metasurface for almost perfect and wideband terahertz absorption. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, F84.	2.1	48
75	On Dyakonovâ€™Voigt surface waves guided by the planar interface of dissipative materials. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 3218.	2.1	13
76	Pixelated Metasurfaces For Terahertz Absorption And Polarization Conversion. , 2019, , .		0
77	Transfer of information using surface-plasmon-polariton waves. , 2019, , .		1
78	Parylene C as a multifunctional insulator for all-organic flexible electronics. , 2019, , .		1
79	Towards biomimetic red solar cells. , 2019, , .		1
80	Plane-wave scattering by an ellipsoid composed of an orthorhombic dielectric-magnetic material with arbitrarily oriented constitutive principal axes. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, F60.	2.1	3
81	Graphene pixel-based polarization-insensitive metasurface for almost perfect and wideband terahertz absorption: erratum. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 1914.	2.1	4
82	Optics with complex materials and (sub)nanostructures: introduction. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, OCM1.	2.1	0
83	Scattering characteristics of relativistically moving concentric layered spheres. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 362-366.	2.1	2
84	Characteristic Attributes of Multiple Cascaded Terahertz Metasurfaces with Magnetically Tunable Subwavelength Resonators. <i>Annalen Der Physik</i> , 2018, 530, 1700252.	2.4	13
85	Planewave scattering by topologically insulating surface states on a spherical surface. , 2018, , .		0
86	Metasurfaces with thermal hysteresis. , 2018, , .		0
87	Temperature-mediated invocation of the vacuum state for switchable ultrawide-angle and broadband deflection. <i>Scientific Reports</i> , 2018, 8, 15044.	3.3	10
88	Simultaneous existence of amplified and attenuated surface-plasmon-polariton waves. <i>Journal of Optics (India)</i> , 2018, 47, 527-533.	1.7	2
89	Simultaneous existence of amplified and attenuated Dyakonov surface waves. <i>Optics Communications</i> , 2018, 427, 175-179.	2.1	4
90	Surface multiplasmonics with periodically nonhomogeneous thin films. , 2018, , 449-486.		0

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91	Thermally sensitive scattering of terahertz waves by coated cylinders for tunable invisibility and masking. <i>Optics Express</i> , 2018, 26, 1.	3.4	28
92	Experimental and theoretical investigation of the co-occurrence of linear and circular dichroisms for oblique incidence of light on chiral sculptured thin films. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018, 35, 1131.	1.5	5
93	Dyakovâ€™Tamm waves guided by the planar surface of a chiral sculptured thin film: erratum. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 1680.	2.1	0
94	Information carried by a surface-plasmon-polariton wave across a gap. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	10
95	Chiral sculptured thin films for circular polarization of mid-wavelength infrared light. <i>Applied Optics</i> , 2018, 57, 6410.	1.8	7
96	Bioreplication for optical applications. <i>MRS Communications</i> , 2018, 8, 220-225.	1.8	0
97	Polymer Surface Textured with Nanowire Bundles to Repel High-Speed Water Drops. <i>Langmuir</i> , 2018, 34, 5871-5879.	3.5	9
98	Bragg supermirror with polarization-dependent amplification of reflected light. <i>Optics Communications</i> , 2018, 425, 58-63.	2.1	3
99	Plane-wave scattering by an ellipsoid composed of an orthorhombic dielectricâ€™magnetic material. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018, 35, 1549.	1.5	9
100	Bicontrollable terahertz metasurface with subwavelength scattering elements of two different materials. <i>Applied Optics</i> , 2018, 57, 189.	1.8	9
101	The Ewaldâ€™Oseen Extinction Theorem and the Extended Boundary Condition Method. , 2018, , 481-513.		9
102	On optical-absorption peaks in a nonhomogeneous thin-film solar cell with a two-dimensional periodically corrugated metallic backreflector. <i>Journal of Nanophotonics</i> , 2018, 12, 1.	1.0	20
103	Optimization of nonhomogeneous indium-gallium-nitride Schottky-barrier thin-film solar cells. <i>Journal of Photonics for Energy</i> , 2018, 8, 1.	1.3	10
104	Optimization approach for optical absorption in three-dimensional structures including solar cells. <i>Optical Engineering</i> , 2018, 57, 1.	1.0	19
105	Optimization of light trapping in ultrathin nonhomogeneous $\text{CuIn}_{1-\frac{1}{4}}\text{Ga}_{\frac{3}{4}}\text{Se}_2$ solar cell backed by 1D periodically corrugated backreflector. , 2018, , .		4
106	Scattering by a three-dimensional object composed of the simplest Lorentz-nonreciprocal medium. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018, 35, 2026.	1.5	7
107	Toward multicontrollable metasurfaces. , 2018, , .		0
108	10.1063/1.5037919.1. , 2018, , .		0

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109	Coupled spectral-hybridizable-discontinuous-Galerkin modeling of thin-film photovoltaic solar cells. , 2018, , .		0
110	Structural colours of nickel bioreplicas of butterfly wings. Journal of Modern Optics, 2017, 64, 781-786.	1.3	4
111	On the Huygens principle for bianisotropic mediums with symmetric permittivity and permeability dyadics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 742-746.	2.1	2
112	Giant enhancement of the controllable in-plane anisotropy of biased isotropic noncentrosymmetric materials with epsilon-negative multilayers. Journal of Applied Physics, 2017, 121, 063102.	2.5	8
113	Reflection and transmission of obliquely incident light by chiral sculptured thin films fabricated using asymmetric serial-bideposition technique. Journal of Nanophotonics, 2017, 11, 043502.	1.0	12
114	Enhanced efficiency of Schottky-barrier solar cell with periodically nonhomogeneous indium gallium nitride layer. Journal of Photonics for Energy, 2017, 7, 014502.	1.3	15
115	Bioinspired multicontrollable metasurfaces and metamaterials for terahertz applications. Proceedings of SPIE, 2017, , .	0.8	11
116	Progress on bioinspired, biomimetic, and bioreplication routes to harvest solar energy. Applied Physics Reviews, 2017, 4, .	11.3	28
117	Bilaterally asymmetric reflection and transmission of light by a grating structure containing a topological insulator. Optics Communications, 2017, 398, 67-76.	2.1	8
118	Periodicity effects on compound waves guided by a thin metal slab sandwiched between two periodically nonhomogeneous dielectric materials. Journal of Nanophotonics, 2017, 11, 043507.	1.0	2
119	High-resolution topograms of fingerprints using multiwavelength digital holography. Optical Engineering, 2017, 56, 034117.	1.0	20
120	Parylene-C microfibrinous thin films as phononic crystals. Journal of Micromechanics and Microengineering, 2017, 27, 075012.	2.6	8
121	Temperature-mediated transition from Dyakonovâ€™Tamm surface waves to surface-plasmon-polariton waves. Journal of Optics (United Kingdom), 2017, 19, 085002.	2.2	15
122	High-phase-speed Dyakonovâ€™Tamm surface waves. Journal of Nanophotonics, 2017, 11, 030501.	1.0	1
123	Polarization-state-dependent attenuation and amplification in a columnar thin film. Journal of Optics (United Kingdom), 2017, 19, 12LT01.	2.2	6
124	Lorentz invariance of absorption and extinction cross sections of a uniformly moving object. Physical Review A, 2017, 96, .	2.5	5
125	Dielectric Properties of and Charge Transport in Columnar Microfibrinous Thin Films of Parylene C. IEEE Transactions on Electron Devices, 2017, 64, 3360-3367.	3.0	10
126	Time course of peri-implant bone regeneration around loaded and unloaded implants in a rat model. Journal of Orthopaedic Research, 2017, 35, 997-1006.	2.3	7

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127	How much topological insulation does one need? how much can one get?. , 2017, , .		3
128	Periodically nanoarchitected photovoltaic solar cells and planar optical concentrators. , 2017, , .		0
129	Multiple surface-plasmon-polariton waves guided by a chiral sculptured thin film grown on a metallic grating. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1937.	2.1	5
130	Nanotechnology, Society, and Environment $\hat{\alpha}$ †. , 2017, , .		2
131	Selectability of mechanical and dielectric properties of Parylene-C columnar microfibrinous thin films by varying deposition angle. Flexible and Printed Electronics, 2017, 2, 045012.	2.7	5
132	Time-domain electromagnetic scattering by a sphere in uniform translational motion. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 270.	1.5	8
133	Nonexhibition of Bragg phenomenon by chevronic sculptured thin films: experiment and theory. Journal of Nanophotonics, 2017, 11, 1.	1.0	11
134	Electromagnetic pulse scattering by a spacecraft nearing light speed. Applied Optics, 2017, 56, 6206.	1.8	2
135	Asymptotic model for finite-element calculations of diffraction by shallow metallic surface-relief gratings. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 68.	1.5	3
136	Asymmetries in surface waves and reflection/transmission characteristics associated with topological insulators. , 2017, , .		0
137	Special Section Guest Editorial: Nanostructured Thin Films IX: Design, Fabrication, Characterization, and Modeling. Journal of Nanophotonics, 2017, 11, 043501.	1.0	0
138	Optimization of charge-carrier generation in amorphous-silicon thin-film tandem solar cell backed by two-dimensional metallic surface-relief grating. , 2017, , .		1
139	Optimal indium-gallium-nitride Schottky-barrier thin-film solar cells. , 2017, , .		0
140	Transition from Dyakonov and Dyakonov-Tamm surface waves to surface-plasmon-polariton waves induced by temperature. , 2017, , .		0
141	Non-exhibition of Bragg phenomenon by chevronic sculptured thin films. , 2017, , .		0
142	On optical-absorption peaks in a nonhomogeneous dielectric material over a two-dimensional metallic surface-relief grating. , 2017, , .		1
143	Signatures of thermal hysteresis in Tamm-wave propagation. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 2155.	2.1	3
144	On the propagation of Voigt waves in energetically active materials. European Journal of Physics, 2016, 37, 064002.	0.6	12

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145	Rejoice in unexpected gifts from parrots and butterflies. , 2016, , .		2
146	Simultaneous amplification and attenuation in isotropic chiral materials. Journal of Optics (United Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	2.2	7
147	Studies of Parylene C Microfibrous Thin Films Electrical Properties. ECS Transactions, 2016, 75, 235-243.	0.5	2
148	Temperature-mediated transition from Dyakonov surface waves to surface-plasmon-polariton waves. IEEE Photonics Journal, 2016, , 1-1.	2.0	15
149	Reply to "Comment on "Surface energy of Parylene C" Materials Letters, 2016, 166, 325-326.	2.6	4
150	Splitting of absorptance peaks in absorbing multilayer backed by a periodically corrugated metallic reflector. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 779.	1.5	7
151	An Optical Adventure in Sexual Deception. NATO Science for Peace and Security Series B: Physics and Biophysics, 2016, , 203-209.	0.3	0
152	Nonreciprocal Dyakonov-wave propagation supported by topological insulators. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1266.	2.1	9
153	Compound guided waves that mix characteristics of surface-plasmon-polariton, Tamm, Dyakonov, Tamm, and Uller-Zenneck waves. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1197.	2.1	26
154	Combined optical-electrical finite-element simulations of thin-film solar cells with homogeneous and nonhomogeneous intrinsic layers. Journal of Photonics for Energy, 2016, 6, 025502.	1.3	21
155	Influence of silver-nanoparticle layer in a chiral sculptured thin film for surface-multiplasmonic sensing of analytes in aqueous solution. Journal of Nanophotonics, 2016, 10, 033008.	1.0	12
156	Comment on "Energy conservation and the constitutive relations in chiral and non-reciprocal media". Journal of Optics (United Kingdom), 2016, 18, 068001.	2.2	0
157	Dual-band circular polarization filter for obliquely incident light. Microwave and Optical Technology Letters, 2016, 58, 2381-2384.	1.4	4
158	Blazed grating spectrum splitter for harvesting solar energy. Electronics Letters, 2016, 52, 387-388.	1.0	1
159	Reflection and transmission of obliquely incident light by chiral sculptured thin films fabricated using asymmetric serial-bideposition (ASBD) technique. , 2016, , .		0
160	Simultaneous optical sensing of multiple fluids via spatially multiplexed surface-multiplasmonic-resonance imaging. , 2016, , .		0
161	On gain in homogenized composite materials. Proceedings of SPIE, 2016, , .	0.8	0
162	Single and coupled metasurfaces for tunable polarization-sensitive terahertz filters. , 2016, , .		0

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163	Left/right asymmetry in Dyakonovâ€™Tamm-wave propagation guided by a topological insulator and a structurally chiral material. Journal of Optics (United Kingdom), 2016, 18, 115101.	2.2	7
164	Characteristics of surface plasmonâ€™polariton waves excited on 2D periodically patterned columnar thin films of silver. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 1697.	1.5	6
165	Left/right asymmetry in reflection and transmission by a planar anisotropic dielectric slab with topologically insulating surface states. Journal of Nanophotonics, 2016, 10, 020501.	1.0	9
166	Single and cascaded, magnetically controllable metasurfaces as terahertz filters. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 834.	2.1	12
167	Temperature-dependent dynamic moduli of Parylene-C columnar microfibrinous thin films. Polymer Testing, 2016, 53, 89-97.	4.8	9
168	Special Section Guest Editorial: Advances in Nanostructured Thin Films. Journal of Nanophotonics, 2016, 10, 033001.	1.0	0
169	Periodicity effects on compound guided waves. Proceedings of SPIE, 2016, , .	0.8	0
170	Comparison of Quantifiler Â® Trio and InnoQuantâ€™ human DNA quantification kits for detection of DNA degradation in developed and aged fingerprints. Forensic Science International, 2016, 263, 132-138.	2.2	17
171	Gain and loss enhancement in active and passive particulate composite materials. Waves in Random and Complex Media, 2016, 26, 553-563.	2.7	4
172	Planar Light Concentration in Micro-Si Solar Cells Enabled by a Metallic Gratingâ€™Photonic Crystal Architecture. ACS Photonics, 2016, 3, 604-610.	6.6	23
173	Electromagnetic scattering by homogeneous, isotropic, dielectricâ€™magnetic sphere with topologically insulating surface states. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 603.	2.1	15
174	Classical electromagnetic model of surface states in topological insulators. Journal of Nanophotonics, 2016, 10, 033004.	1.0	31
175	3D fingerprint analysis using transmission-mode multi-wavelength digital holographic topography. , 2016, , .		1
176	Compound surface-plasmon-polariton waves guided by a thin metal layer sandwiched between a homogeneous isotropic dielectric material and a structurally chiral material. Optics Communications, 2016, 363, 201-206.	2.1	8
177	Enhancement of Dynamic Sensitivity of Multiple Surface-plasmonic-polaritonic Sensor Using Silver Nanoparticles. Plasmonics, 2016, 11, 987-994.	3.4	3
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