

# Ekmel Ozbay

## List of Publications by Year in descending order

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368  
papers

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36303

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docs citations

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#	ARTICLE	IF	CITATIONS
1	High Performance 15- $\mu\text{m}$ Pitch 640 Å– 512 MWIR InAs/GaSb Type-II Superlattice Sensors. IEEE Journal of Quantum Electronics, 2022, 58, 1-6.	1.9	0
2	Selective Glucose Sensing under Physiological pH with Flexible and Binder-Free Prussian Blue Coated Carbon Cloth Electrodes. ChemElectroChem, 2022, 9, .	3.4	4
3	Lithography-free metamaterial absorbers: opinion. Optical Materials Express, 2022, 12, 524.	3.0	6
4	Fast Unveiling of $T_{\text{max}}$ in GaN HEMT Devices via the Electrical Measurement-Assisted Two-Heat Source Model. IEEE Transactions on Electron Devices, 2022, 69, 2319-2324.	3.0	3
5	Correlation-based study of FEA and IR thermography to reveal the 2DEG temperature of a multi-fingered high-power GaN HEMT. Journal of Applied Physics, 2022, 131, .	2.5	3
6	Light-Driven Water Oxidation with Ligand-Engineered Prussian Blue Analogues. Inorganic Chemistry, 2022, 61, 3931-3941.	4.0	7
7	Transmissive terahertz metasurfaces with vanadium dioxide split-rings and grids for switchable asymmetric polarization manipulation. Scientific Reports, 2022, 12, 3518.	3.3	15
8	Subwavelength Densely Packed Disordered Semiconductor Metasurface Units for Photoelectrochemical Hydrogen Generation. ACS Applied Energy Materials, 2022, 5, 2826-2837.	5.1	6
9	Anisotropic absorber and tunable source of MIR radiation based on a black phosphorus-SiC metasurface. Photonics and Nanostructures - Fundamentals and Applications, 2022, 50, 101020.	2.0	16
10	Epsilon-near-zero enhancement of near-field radiative heat transfer in BP/hBN and BP/ $\pm$ -MoO <sub>3</sub> parallel-plate structures. Applied Physics Letters, 2022, 120, .	3.3	21
11	Design and robustness improvement of high-performance LNA using 0.15 $\mu\text{m}$ GaN technology for $X$ -band applications. International Journal of Circuit Theory and Applications, 2022, 50, 2305-2319.	2.0	4
12	“Plug and Play” Photosensitizer Catalyst Dyads for Water Oxidation. ACS Applied Materials & Interfaces, 2022, 14, 21131-21140.	8.0	3
13	Miniaturized and Process-Tolerant Ku-Band Power Dividers Using GaN on SiC. , 2022, , .		0
14	DC and RF performance of lateral AlGaIn/GaN FinFET with ultrathin gate dielectric. Semiconductor Science and Technology, 2022, 37, 085008.	2.0	3
15	Multifunctional blazed gratings for multiband spatial filtering, retroreflection, splitting, and demultiplexing based on $C_2$ symmetric photonic crystals. Journal of Applied Physics, 2022, 131, 223101.	2.5	2
16	How to Build Prussian Blue Based Water Oxidation Catalytic Assemblies: Common Trends and Strategies. Chemistry - A European Journal, 2021, 27, 3638-3649.	3.3	33
17	Current transport properties of (Au/Ni)/HfAlO <sub>3</sub> /n-Si metal-insulator-semiconductor junction. Journal of Physics and Chemistry of Solids, 2021, 148, 109758.	4.0	23
18	An All-Dielectric Metasurface Coupled with Two-Dimensional Semiconductors for Thermally Tunable Ultra-narrowband Light Absorption. Plasmonics, 2021, 16, 687-694.	3.4	6

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19	Photocatalytic water oxidation with a Prussian blue modified brown TiO <sub>2</sub> . Chemical Communications, 2021, 57, 508-511.	4.1	16
20	Ultra-broadband Near-Unity Light Absorption by Disjunct Scattering Resonances of Disordered Nanounits Created with Atomic Scale Shadowing Effect. Plasmonics, 2021, 16, 83-90.	3.4	1
21	From model to low noise amplifier monolithic microwave integrated circuit: 0.03–2.6 GHz plastic quad-flat no-leads packaged Gallium Nitride low noise amplifier monolithic microwave integrated circuit. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, e2859.	1.9	2
22	Effect of the gate structure on the kink phenomenon in of AlGaIn/GaN HEMT. Electronics Letters, 2021, 57, 139-141.	1.0	1
23	A Transparent All-Dielectric Multifunctional Nanoantenna Emitter Compatible With Thermal Infrared and Cooling Scenarios. IEEE Access, 2021, 9, 98590-98602.	4.2	13
24	Active Tuning from Narrowband to Broadband Absorbers Using a Sub-wavelength VO <sub>2</sub> Embedded Layer. Plasmonics, 2021, 16, 1013-1021.	3.4	32
25	Pushing the limits in photosensitizer-catalyst interaction via a short cyanide bridge for water oxidation. Cell Reports Physical Science, 2021, 2, 100319.	5.6	7
26	Frontispiece: How to Build Prussian Blue Based Water Oxidation Catalytic Assemblies: Common Trends and Strategies. Chemistry - A European Journal, 2021, 27, .	3.3	0
27	AlGaIn/GaN-Based Laterally Gated High-Electron-Mobility Transistors With Optimized Linearity. IEEE Transactions on Electron Devices, 2021, 68, 1016-1023.	3.0	14
28	Strong light emission from a defective hexagonal boron nitride monolayer coupled to near-touching random plasmonic nanounits. Optics Letters, 2021, 46, 1664.	3.3	6
29	Exceptional adaptable MWIR thermal emission for ordinary objects covered with thin VO <sub>2</sub> film. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 262, 107500.	2.3	11
30	Nonalloyed Ohmic Contacts in AlGaIn/GaN HEMTs With MOCVD Regrowth of InGaIn for Ka-Band Applications. IEEE Transactions on Electron Devices, 2021, 68, 1006-1010.	3.0	11
31	VO <sub>2</sub> –graphene-integrated hBN-based metasurface for bi-tunable phonon-induced transparency and nearly perfect resonant absorption. Journal Physics D: Applied Physics, 2021, 54, 245101.	2.8	20
32	Eighty nine-watt cascaded multistage power amplifier using gallium nitride–silicon high electron mobility transistor for L-band radar applications. IET Circuits, Devices and Systems, 2021, 15, 830.	1.4	0
33	Mid-infrared adaptive thermal camouflage using a phase-change material coupled dielectric nanoantenna. Journal Physics D: Applied Physics, 2021, 54, 265105.	2.8	32
34	Hybrid indium tin oxide-Au metamaterial as a multiband bi-functional light absorber in the visible and near-infrared ranges. Journal Physics D: Applied Physics, 2021, 54, 275102.	2.8	16
35	Accurate Isolation Networks in Quadrature Couplers and Power Dividers. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1148-1152.	3.0	6
36	Building an Iron Chromophore Incorporating Prussian Blue Analogue for Photoelectrochemical Water Oxidation. Chemistry - A European Journal, 2021, 27, 8966-8976.	3.3	9

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37	Building an Iron Chromophore Incorporating Prussian Blue Analogue for Photoelectrochemical Water Oxidation. Chemistry - A European Journal, 2021, 27, 8890-8890.	3.3	0
38	Diode like high-contrast asymmetric transmission of linearly polarized waves based on plasmon-tunneling effect coupling to electromagnetic radiation modes. Journal Physics D: Applied Physics, 2021, 54, 365102.	2.8	13
39	Generation of additive colors with near unity amplitude using a multilayer tandem Fabry-Perot cavity. Optics Letters, 2021, 46, 3464.	3.3	5
40	Hybrid surface plasmon polaritons in graphene coupled anisotropic van der Waals material waveguides. Journal Physics D: Applied Physics, 2021, 54, 455102.	2.8	12
41	Fiber-optic gyroscope for the suppression of a Faraday-effect-induced bias error. Optics Letters, 2021, 46, 4328.	3.3	8
42	Multifunctional tunable gradient metasurfaces for terahertz beam splitting and light absorption. Optics Letters, 2021, 46, 3953.	3.3	14
43	Adaptive visible and short-wave infrared camouflage using a dynamically tunable metasurface. Optics Letters, 2021, 46, 4777.	3.3	9
44	Determining thermo-mechanical stress sources of an integrated optical device. Optik, 2021, 242, 167281.	2.9	0
45	Multi-spectral infrared camouflage through excitation of plasmon-phonon polaritons in a visible-transparent hBN-ITO nanoantenna emitter. Optics Letters, 2021, 46, 4996.	3.3	10
46	Multichromic Vanadium Pentoxide Thin Films Through Ultrasonic Spray Deposition. Journal of the Electrochemical Society, 2021, 168, 106511.	2.9	12
47	Electrodeposited cobalt hexacyanoferrate electrode as a non-enzymatic glucose sensor under neutral conditions. Analytica Chimica Acta, 2021, 1188, 339188.	5.4	9
48	Experimental Analysis of Non-linear Phenomena due to Perturbation Amplitude in Ĩ-OTDR Based Fiber Optic Distributed Vibration Sensor. , 2021, , .		0
49	Second Harmonic Generation in Generalized Ferroelectric Superlattices. Integrated Ferroelectrics, 2021, 220, 30-38.	0.7	0
50	The Mechanical, Electronic and Optical Properties of Sn <sub>2</sub> P <sub>2</sub> S <sub>6</sub> Compound in Different Phases. Integrated Ferroelectrics, 2021, 220, 56-70.	0.7	1
51	Phononic Crystals With Archimedean-like Tiling: Band Structure and the Transformation of Sound. Integrated Ferroelectrics, 2021, 220, 132-139.	0.7	0
52	Slater Insulator Phase of X <sub>2</sub> (X=Na, Li)IrO <sub>3</sub> : First Principles Calculation. Integrated Ferroelectrics, 2021, 220, 80-89.	0.7	0
53	The Pulse Shape Effect on Signal-to-Noise Ratio for Ĩ-OTDR Systems. , 2021, , .		0
54	A Robust, Precious-Metal-Free Dye-Sensitized Photoanode for Water Oxidation: A Nanosecond-Long Excited-State Lifetime through a Prussian Blue Analogue. Angewandte Chemie, 2020, 132, 4111-4119.	2.0	12

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55	Large scale compatible fabrication of gold capped titanium dioxide nanoantennas using a shadowing effect for photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2020, 45, 1521-1531.	7.1	10
56	Highly Efficient Semiconductor-Based Metasurface for Photoelectrochemical Water Splitting: Broadband Light Perfect Absorption with Dimensions Smaller than the Diffusion Length. Plasmonics, 2020, 15, 829-839.	3.4	3
57	A Robust, Precious-Metal-Free Dye-Sensitized Photoanode for Water Oxidation: A Nanosecond-Long Excited-State Lifetime through a Prussian Blue Analogue. Angewandte Chemie - International Edition, 2020, 59, 4082-4090.	13.8	30
58	Lithography-Free Random Bismuth Nanostructures for Full Solar Spectrum Harvesting and Mid-Infrared Sensing. Advanced Optical Materials, 2020, 8, 1901203.	7.3	26
59	Scattering of spin-1/2 particles from a PT-symmetric complex potential. Europhysics Letters, 2020, 131, 11001.	2.0	3
60	Unveiling the optical parameters of vanadium dioxide in the phase transition region: a hybrid modeling approach. RSC Advances, 2020, 10, 29945-29955.	3.6	10
61	Strong Light-Matter Interactions in Au Plasmonic Nanoantennas Coupled with Prussian Blue Catalyst on BiVO <sub>4</sub> for Photoelectrochemical Water Splitting. ChemSusChem, 2020, 13, 2483-2483.	6.8	4
62	Improved $T_{MAX}$ Estimation in GaN HEMTs Using an Equivalent Hot Point Approximation. IEEE Transactions on Electron Devices, 2020, 67, 1553-1559.	3.0	8
63	Strong Light-Matter Interactions in Au Plasmonic Nanoantennas Coupled with Prussian Blue Catalyst on BiVO <sub>4</sub> for Photoelectrochemical Water Splitting. ChemSusChem, 2020, 13, 2577-2588.	6.8	34
64	Intersection behavior of the current-voltage ( $I-V$ ) characteristics of the (Au/Ni)/HfAlO <sub>3</sub> /n-Si (MIS) structure depends on the lighting intensity. Journal of Materials Science: Materials in Electronics, 2020, 31, 13167-13172.	2.2	9
65	Innenbild: A Robust, Precious-Metal-Free Dye-Sensitized Photoanode for Water Oxidation: A Nanosecond-Long Excited-State Lifetime through a Prussian Blue Analogue (Angew. Chem. 10/2020). Angewandte Chemie, 2020, 132, 4211-4211.	2.0	1
66	Ultraminiature Antennas Combining Subwavelength Resonators and a Very-High- $\mu$ Uniform Substrate: The Case of Lithium Niobate. IEEE Transactions on Antennas and Propagation, 2020, 68, 5071-5081.	5.1	3
67	High-Throughput, High-Resolution Interferometric Light Microscopy of Biological Nanoparticles. ACS Nano, 2020, 14, 2002-2013.	14.6	26
68	Deep Subwavelength Light Confinement in Disordered Bismuth Nanorods as a Linearly Thermal-Tunable Metamaterial. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000066.	2.4	11
69	Ferroelectric based fractal phononic crystals: wave propagation and band structure. Ferroelectrics, 2020, 557, 85-91.	0.6	3
70	BaTiO <sub>3</sub> based photonic time crystal and momentum stop band. Ferroelectrics, 2020, 557, 105-111.	0.6	0
71	Elastic and optical properties of sillenites: First principle calculations. Ferroelectrics, 2020, 557, 98-104.	0.6	8
72	Complete photonic band gaps in Sn <sub>2</sub> P <sub>2</sub> X <sub>6</sub> (X = S, Se) supercell photonic crystals. Ferroelectrics, 2020, 557, 92-97.	0.6	0

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73	One-way and near-absolute polarization insensitive near-perfect absorption by using an all-dielectric metasurface. <i>Optics Letters</i> , 2020, 45, 2010.	3.3	10
74	Dynamic beam splitter employing an all-dielectric metasurface based on an elastic substrate. <i>Optics Letters</i> , 2020, 45, 3521.	3.3	13
75	Numerical analysis of a thermally tunable spectrally selective absorber enabled by an all-dielectric metamirror. <i>Optics Letters</i> , 2020, 45, 6174.	3.3	6
76	Lithography-free disordered metal-insulator-metal nanoantennas for colorimetric sensing. <i>Optics Letters</i> , 2020, 45, 6719.	3.3	3
77	Tunable plasmon-phonon polaritons in anisotropic 2D materials on hexagonal boron nitride. <i>Nanophotonics</i> , 2020, 9, 3909-3920.	6.0	24
78	A simple Mie-resonator based meta-array with diverse deflection scenarios enabling multifunctional operation at near-infrared. <i>Nanophotonics</i> , 2020, 9, 4589-4600.	6.0	8
79	Swanepoel method for AlInN/AlN HEMTs. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 9969-9973.	2.2	3
80	A Simple Method for Enhancing the SNR in Direct Detection Ĩt-OTDR based Distributed Acoustic Sensors. , 2020, , .		0
81	Accurate and Process-Tolerant Resistive Load. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020, 68, 2495-2500.	4.6	4
82	Strong Interference in Planar, Multilayer Perfect Absorbers: Achieving High-Operational Performances in Visible and Near-Infrared Regimes. <i>IEEE Nanotechnology Magazine</i> , 2019, 13, 34-48.	1.3	6
83	Electronic and elastic properties of the multiferroic crystals with the Kagome type lattices $\text{Mn}_3\text{VO}_8$ and $\text{Ni}_3\text{VO}_8$ : First principle calculations. <i>Ferroelectrics</i> , 2019, 544, 11-19.	0.6	2
84	Fabrication of 15- $\mu\text{m}$ Pitch $640 \times 512$ InAs/GaSb Type-II Superlattice Focal Plane Arrays. <i>IEEE Journal of Quantum Electronics</i> , 2019, 55, 1-5.	1.9	7
85	Colorimetric and Near-Absolute Polarization-Insensitive Refractive-Index Sensing in All-Dielectric Guided-Mode Resonance Based Metasurface. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19125-19134.	3.1	39
86	Photonic band gap of multiferroic-dielectric materials in the IR region: FDTD method. <i>Ferroelectrics</i> , 2019, 539, 50-54.	0.6	1
87	Determination of current transport and trap states density in AlInGaN/GaN heterostructures. <i>Microelectronics Reliability</i> , 2019, 103, 113517.	1.7	15
88	A Direct Detection Fiber Optic Distributed Acoustic Sensor With a Mean SNR of 7.3 dB at 102.7 km. <i>IEEE Photonics Journal</i> , 2019, 11, 1-8.	2.0	12
89	Multiferroic based 2D phononic crystals: Band structure and wave propagations. <i>Ferroelectrics</i> , 2019, 544, 88-95.	0.6	1
90	Strain effects and electronic structures of narrow band P-R ferroelectrics: First principles calculation. <i>Ferroelectrics</i> , 2019, 544, 1-10.	0.6	0

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91	Two-dimensional phononic band structure of archimedean-logarithmic spiral-based slabs. <i>Ferroelectrics</i> , 2019, 544, 112-118.	0.6	0
92	Lithography-Free Planar Band-Pass Reflective Color Filter Using A Series Connection of Cavities. <i>Scientific Reports</i> , 2019, 9, 290.	3.3	40
93	Semiconductor Thin Film Based Metasurfaces and Metamaterials for Photovoltaic and Photoelectrochemical Water Splitting Applications. <i>Advanced Optical Materials</i> , 2019, 7, 1900028.	7.3	28
94	Disordered and Densely Packed ITO Nanorods as an Excellent Lithography-Free Optical Solar Reflector Metasurface. <i>ACS Photonics</i> , 2019, 6, 1812-1822.	6.6	55
95	All Ceramic-Based Metal-Free Ultra-broadband Perfect Absorber. <i>Plasmonics</i> , 2019, 14, 1801-1815.	3.4	47
96	Investigation of a Hybrid Approach for Normally-Off GaN HEMTs Using Fluorine Treatment and Recess Etch Techniques. <i>IEEE Journal of the Electron Devices Society</i> , 2019, 7, 351-357.	2.1	8
97	Structural, Electronic, and Mechanical Properties of $A_{x_3}Mn_{x_2}O_{x_7}$ ( $A = \text{Sr, Ca}$ ): Ab Initio Calculation. <i>Ferroelectrics</i> , 2019, 538, 135-145.	0.6	8
98	A detailed study on optical properties of InGaN/GaN/Al <sub>2</sub> O <sub>3</sub> multi quantum wells. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 10391-10398.	2.2	4
99	Normally-off AlGaIn/GaN MIS-HEMT with low gate leakage current using a hydrofluoric acid pre-treatment. <i>Solid-State Electronics</i> , 2019, 158, 22-27.	1.4	5
100	Spectrally Selective Ultrathin Photodetectors Using Strong Interference in Nanocavity Design. <i>IEEE Electron Device Letters</i> , 2019, 40, 925-928.	3.9	6
101	Tuning Plasmon Induced Reflectance with Hybrid Metasurfaces. <i>Photonics</i> , 2019, 6, 29.	2.0	2
102	Bismuth-based metamaterials: from narrowband reflective color filter to extremely broadband near perfect absorber. <i>Nanophotonics</i> , 2019, 8, 823-832.	6.0	60
103	Effects of the AlN nucleation layer thickness on the crystal structures of an AlN epilayer grown on the 6H-SiC substrate. <i>Philosophical Magazine</i> , 2019, 99, 1715-1731.	1.6	4
104	A Route to Unusually Broadband Plasmonic Absorption Spanning from Visible to Mid-infrared. <i>Plasmonics</i> , 2019, 14, 1269-1281.	3.4	8
105	Tunable infrared asymmetric light transmission and absorption via graphene-hBN metamaterials. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	10
106	Connection of Collimation, Asymmetric Beaming, and Independent Transmission-Reflection Processes in Concentric-Groove Gratings Supporting Spoof Surface Plasmons. <i>Plasmonics</i> , 2019, 14, 721-729.	3.4	4
107	Thermal Annealing Effects on the Electrical and Structural Properties of Ni/Pt Schottky Contacts on the Quaternary AlInGaIn Epilayer. <i>Journal of Electronic Materials</i> , 2019, 48, 887-897.	2.2	8
108	Embedded arrays of annular apertures with multiband near-zero-index behavior and demultiplexing capability at near-infrared. <i>Optical Materials Express</i> , 2019, 9, 3169.	3.0	8

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109	Lithography-free, manganese-based ultrabroadband absorption through annealing-based deformation of thin layers into metal-air composites. <i>Optics Letters</i> , 2019, 44, 3598.	3.3	0
110	Negative Differential Resistance Observation and a New Fitting Model for Electron Drift Velocity in GaN-Based Heterostructures. <i>IEEE Transactions on Electron Devices</i> , 2018, 65, 950-956.	3.0	5
111	Strategies for Plasmonic Hot-Electron-Driven Photoelectrochemical Water Splitting. <i>ChemPhotoChem</i> , 2018, 2, 161-182.	3.0	51
112	Electrically switchable metadevices via graphene. <i>Science Advances</i> , 2018, 4, eaao1749.	10.3	117
113	Characteristic Attributes of Multiple Cascaded Terahertz Metasurfaces with Magnetically Tunable Subwavelength Resonators. <i>Annalen Der Physik</i> , 2018, 530, 1700252.	2.4	13
114	Multiple band gaps of a ferroelectric based 2D-phononic crystal slab. <i>Ferroelectrics</i> , 2018, 535, 152-160.	0.6	1
115	Electronic, mechanical, and optical properties of Ruddlesden-Popper perovskite sulfides: First principle calculation. <i>Ferroelectrics</i> , 2018, 535, 142-151.	0.6	2
116	X Band GaN Based MMIC Power Amplifier with 36.5dBm P <sub>1dB</sub> for Space Applications. , 2018, , .		3
117	Angstrom Thick ZnO Passivation Layer to Improve the Photoelectrochemical Water Splitting Performance of a TiO <sub>2</sub> Nanowire Photoanode: The Role of Deposition Temperature. <i>Scientific Reports</i> , 2018, 8, 16322.	3.3	39
118	Compact and Wideband CPW Wilkinson Power Dividers for GaN MMIC Applications. , 2018, , .		13
119	Electrically controllable plasmon induced reflectance in hybrid metamaterials. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	17
120	X Band GaN Based MMIC Power Amplifier with 36.5dBm P <sub>1dB</sub> for Space Applications. , 2018, , .		0
121	Epsilon-Near-Zero Waveguides for Quantum Information Applications: A Theoretical Approach for N-Qubits. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 114402.	1.6	1
122	Effect of gate structures on the DC and RF performance of AlGaIn/GaN HEMTs. <i>Semiconductor Science and Technology</i> , 2018, 33, 125017.	2.0	10
123	Strong Light-Matter Interaction in Lithography-Free Planar Metamaterial Perfect Absorbers. <i>ACS Photonics</i> , 2018, 5, 4203-4221.	6.6	96
124	Structural properties of InGaIn/GaN/Al <sub>2</sub> O <sub>3</sub> structure from reciprocal space mapping. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 12373-12380.	2.2	7
125	Large-Area, Cost-Effective, Ultra-Broadband Perfect Absorber Utilizing Manganese in Metal-Insulator-Metal Structure. <i>Scientific Reports</i> , 2018, 8, 9162.	3.3	65
126	Thermally sensitive scattering of terahertz waves by coated cylinders for tunable invisibility and masking. <i>Optics Express</i> , 2018, 26, 1.	3.4	28



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127	Emerging photoluminescence from defective vanadium diselenide nanosheets. Photonics Research, 2018, 6, 244.	7.0	31
128	Tunable, omnidirectional, and nearly perfect resonant absorptions by a graphene-hBN-based hole array metamaterial. Optics Express, 2018, 26, 16940.	3.4	44
129	Graphene-based tunable plasmon induced transparency in gold strips. Optical Materials Express, 2018, 8, 1069.	3.0	20
130	Tuning the metal filling fraction in metal-insulator-metal ultra-broadband perfect absorbers to maximize the absorption bandwidth. Photonics Research, 2018, 6, 168.	7.0	78
131	Toward Electrically Tunable, Lithography-Free, Ultra-Thin Color Filters Covering the Whole Visible Spectrum. Scientific Reports, 2018, 8, 11316.	3.3	26
132	Tunable deflection and asymmetric transmission of THz waves using a thin slab of graphene-dielectric metamaterial, with and without ENZ components. Optical Materials Express, 2018, 8, 3887.	3.0	9
133	Field test and fading measurement of a distributed acoustic sensor system over a 50 km-long fiber. , 2018, , .		3
134	Ultrafast transient optical loss dynamics in excitonâ€“plasmon nano-assemblies. Nanoscale, 2017, 9, 6558-6566.	5.6	15
135	The transport properties of Dirac fermions in chemical vapour-deposited single-layer graphene. Philosophical Magazine, 2017, 97, 187-200.	1.6	5
136	97 percent light absorption in an ultrabroadband frequency range utilizing an ultrathin metal layer: randomly oriented, densely packed dielectric nanowires as an excellent light trapping scaffold. Nanoscale, 2017, 9, 16652-16660.	5.6	38
137	AVBVCVII ferroelectrics as novel materials for phononic crystals. Ferroelectrics, 2017, 511, 12-21.	0.6	2
138	Optical, electronic, and elastic properties of some $A^{5+}B^{6+}C^{7+}$ ferroelectrics (A=Sb, Bi; B=S, Se; C=I, Br, Cl): First principle calculation. Ferroelectrics, 2017, 511, 22-34.	0.6	13
139	Disordered Nanohole Patterns in Metal-Insulator Multilayer for Ultra-broadband Light Absorption: Atomic Layer Deposition for Lithography Free Highly repeatable Large Scale Multilayer Growth. Scientific Reports, 2017, 7, 15079.	3.3	31
140	Ultra-Broadband, Lithography-Free, and Large-Scale Compatible Perfect Absorbers: The Optimum Choice of Metal layers in Metal-Insulator Multilayer Stacks. Scientific Reports, 2017, 7, 14872.	3.3	53
141	Ultra-broadband, wide angle absorber utilizing metal insulator multilayers stack with a multi-thickness metal surface texture. Scientific Reports, 2017, 7, 4755.	3.3	50
142	Buffer effects on the mosaic structure of the HR-GaN grown on 6H-SiC substrate by MOCVD. Journal of Materials Science: Materials in Electronics, 2017, 28, 3200-3209.	2.2	6
143	Ultra-broadband Asymmetric Light Transmission and Absorption Through The Use of Metal Free Multilayer Capped Dielectric Microsphere Resonator. Scientific Reports, 2017, 7, 14538.	3.3	12
144	Broadband mixing of $\mathscr{P}\mathscr{T}$ -symmetric and $\mathscr{P}\mathscr{T}$ -broken phases in photonic heterostructures with a one-dimensional loss/gain bilayer. Scientific Reports, 2017, 7, 15504.	3.3	9

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145	Fibonacci sequences quasiperiodic A5B6C7 ferroelectric based photonic crystal: FDTD analysis. Integrated Ferroelectrics, 2017, 183, 26-35.	0.7	1
146	Hybrid plasmon-phonon polariton bands in graphene-hexagonal boron nitride metamaterials [Invited]. Journal of the Optical Society of America B: Optical Physics, 2017, 34, D29.	2.1	39
147	Visible light nearly perfect absorber: an optimum unit cell arrangement for near absolute polarization insensitivity. Optics Express, 2017, 25, 27624.	3.4	76
148	Bright off-axis directional emission with plasmonic corrugations. Optics Express, 2017, 25, 30827.	3.4	3
149	Nearly perfect resonant absorption and coherent thermal emission by hBN-based photonic crystals. Optics Express, 2017, 25, 31970.	3.4	25
150	Microstructural Analysis with Graded and Non-Graded Indium in InGaN Solar Cell. Journal of Nanoelectronics and Optoelectronics, 2017, 12, 109-117.	0.5	3
151	Enhanced electro-optic modulation of LiNbO <sub>3</sub> -based photonic crystal cavities with dual mode and polarization operation. Turkish Journal of Physics, 2017, 41, 303-313.	1.1	0
152	Diffraction inspired unidirectional and bidirectional beam splitting in defect-containing photonic structures without interface corrugations. Journal of Applied Physics, 2016, 119, 193108.	2.5	9
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