

Tien Khee Ng

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

270
papers

5,576
citations

39
h-index

64
g-index

347
ext. papers

6,966
ext. citations

4.4
avg, IF

5.8
L-index

#	Paper	IF	Citations
270	Air-Stable Surface-Passivated Perovskite Quantum Dots for Ultra-Robust, Single- and Two-Photon-Induced Amplified Spontaneous Emission. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 5027-33	6.4	398
269	4.8 Gbit/s 16-QAM-OFDM transmission based on compact 450-nm laser for underwater wireless optical communication. <i>Optics Express</i> , 2015 , 23, 23302-9	3.3	189
268	Perovskite Nanocrystals as a Color Converter for Visible Light Communication. <i>ACS Photonics</i> , 2016 , 3, 1150-1156	6.3	171
267	A polydimethylsiloxane-coated metal structure for all-day radiative cooling. <i>Nature Sustainability</i> , 2019 , 2, 718-724	22.1	162
266	20-meter underwater wireless optical communication link with 1.5 Gbps data rate. <i>Optics Express</i> , 2016 , 24, 25502-25509	3.3	145
265	2.3 Gbit/s underwater wireless optical communications using directly modulated 520 nm laser diode. <i>Optics Express</i> , 2015 , 23, 20743-8	3.3	130
264	Surface Passivation of GaN Nanowires for Enhanced Photoelectrochemical Water-Splitting. <i>Nano Letters</i> , 2017 , 17, 1520-1528	11.5	129
263	High-speed colour-converting photodetector with all-inorganic CsPbBr perovskite nanocrystals for ultraviolet light communication. <i>Light: Science and Applications</i> , 2019 , 8, 94	16.7	125
262	The recombination mechanisms leading to amplified spontaneous emission at the true-green wavelength in CH ₃ NH ₃ PbBr ₃ perovskites. <i>Applied Physics Letters</i> , 2015 , 106, 081902	3.4	106
261	Going beyond 4 Gbps data rate by employing RGB laser diodes for visible light communication. <i>Optics Express</i> , 2015 , 23, 18746-53	3.3	104
260	Highly transparent, low-haze, hybrid cellulose nanopaper as electrodes for flexible electronics. <i>Nanoscale</i> , 2016 , 8, 12294-306	7.7	95
259	2 Gbit/s data transmission from an unfiltered laser-based phosphor-converted white lighting communication system. <i>Optics Express</i> , 2015 , 23, 29779-87	3.3	90
258	Unambiguously Enhanced Ultraviolet Luminescence of AlGa _N Wavy Quantum Well Structures Grown on Large Misoriented Sapphire Substrate. <i>Advanced Functional Materials</i> , 2019 , 29, 1905445	15.6	85
257	Droop-Free, Reliable, and High-Power InGa _N /Ga _N Nanowire Light-Emitting Diodes for Monolithic Metal-Optoelectronics. <i>Nano Letters</i> , 2016 , 16, 4616-23	11.5	81
256	Optical constants of CH ₃ NH ₃ PbBr ₃ perovskite thin films measured by spectroscopic ellipsometry. <i>Optics Express</i> , 2016 , 24, 16586-94	3.3	76
255	Facile Formation of High-Quality InGa _N /Ga _N Quantum-Disks-in-Nanowires on Bulk-Metal Substrates for High-Power Light-Emitters. <i>Nano Letters</i> , 2016 , 16, 1056-63	11.5	73
254	An enhanced surface passivation effect in InGa _N /Ga _N disk-in-nanowire light emitting diodes for mitigating Shockley-Read-Hall recombination. <i>Nanoscale</i> , 2015 , 7, 16658-65	7.7	68

253	4-Gbit/s visible light communication link based on 16-QAM OFDM transmission over remote phosphor-film converted white light by using blue laser diode. <i>Optics Express</i> , 2015 , 23, 33656-66	3.3	66
252	Comparison of nitrogen compositions in the as-grown GaN _x As _{1-x} on GaAs measured by high-resolution x-ray diffraction and secondary-ion mass spectroscopy. <i>Applied Physics Letters</i> , 2002 , 80, 4136-4138	3.4	64
251	Simple statistical channel model for weak temperature-induced turbulence in underwater wireless optical communication systems. <i>Optics Letters</i> , 2017 , 42, 2455-2458	3	61
250	High-Modulation-Efficiency, Integrated Waveguide Modulator-Laser Diode at 448 nm. <i>ACS Photonics</i> , 2016 , 3, 262-268	6.3	59
249	Performance Evaluation of Underwater Wireless Optical Communications Links in the Presence of Different Air Bubble Populations. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-9	1.8	58
248	Circulating exosomal CPNE3 as a diagnostic and prognostic biomarker for colorectal cancer. <i>Journal of Cellular Physiology</i> , 2019 , 234, 1416-1425	7	58
247	Enhanced Etching, Surface Damage Recovery, and Submicron Patterning of Hybrid Perovskites using a Chemically Gas-Assisted Focused-Ion Beam for Subwavelength Grating Photonic Applications. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 137-42	6.4	55
246	Pt/AlGaN Nanoarchitecture: Toward High Responsivity, Self-Powered Ultraviolet-Sensitive Photodetection. <i>Nano Letters</i> , 2021 , 21, 120-129	11.5	55
245	Surface-Passivated AlGaN Nanowires for Enhanced Luminescence of Ultraviolet Light Emitting Diodes. <i>ACS Photonics</i> , 2018 , 5, 964-970	6.3	54
244	Droop-free Al _x Ga _{1-x} N/Al _y Ga _{1-y} N quantum-disks-in-nanowires ultraviolet LED emitting at 337 nm on metal/silicon substrates. <i>Optics Express</i> , 2017 , 25, 1381-1390	3.3	54
243	Determination of band offsets at GaN/single-layer MoS ₂ heterojunction. <i>Applied Physics Letters</i> , 2016 , 109, 032104	3.4	52
242	Deep-Ultraviolet Photodetection Using Single-Crystalline InGaO/NiO Heterojunctions. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35095-35104	9.5	48
241	Effect of hydrofluoric acid concentration on the evolution of photoluminescence characteristics in porous silicon nanowires prepared by Ag-assisted electroless etching method. <i>Journal of Applied Physics</i> , 2012 , 112, 033502	2.5	48
240	Band Alignment at GaN/Single-Layer WSe Interface. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9110-9117	4.7	47
239	Light based underwater wireless communications. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 08PA061.4	4.4	47
238	Self-assembled InAs/InP quantum dots and quantum dashes: Material structures and devices. <i>Progress in Quantum Electronics</i> , 2014 , 38, 237-313	9.1	47
237	III-nitride nanowires on unconventional substrates: From materials to optoelectronic device applications. <i>Progress in Quantum Electronics</i> , 2018 , 61, 1-31	9.1	45
236	High-brightness semipolar (2021) blue InGaN/GaN superluminescent diodes for droop-free solid-state lighting and visible-light communications. <i>Optics Letters</i> , 2016 , 41, 2608-11	3	45

235	Rapid thermal annealing of GaN _x As _{1-x} grown by radio-frequency plasma assisted molecular beam epitaxy and its effect on photoluminescence. <i>Journal of Applied Physics</i> , 2002 , 91, 4900-4903	2.5	44
234	Unbiased photocatalytic hydrogen generation from pure water on stable Ir-treated In _{0.33} Ga _{0.67} N nanorods. <i>Nano Energy</i> , 2017 , 37, 158-167	17.1	43
233	A Review on Practical Considerations and Solutions in Underwater Wireless Optical Communication. <i>Journal of Lightwave Technology</i> , 2020 , 38, 421-431	4	41
232	High-speed 405-nm superluminescent diode (SLD) with 807-MHz modulation bandwidth. <i>Optics Express</i> , 2016 , 24, 20281-6	3.3	41
231	3.2 Gigabit-per-second Visible Light Communication Link with InGaN/GaN MQW Micro-photodetector. <i>Optics Express</i> , 2018 , 26, 3037-3045	3.3	39
230	Focused-ion beam patterning of organolead trihalide perovskite for subwavelength grating nanophotonic applications. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015 , 33, 051207	1.3	37
229	Graded-Index Separate Confinement Heterostructure AlGaIn Nanowires: Toward Ultraviolet Laser Diodes Implementation. <i>ACS Photonics</i> , 2018 , 5, 3305-3314	6.3	37
228	71-Mbit/s ultraviolet-B LED communication link based on 8-QAM-OFDM modulation. <i>Optics Express</i> , 2017 , 25, 23267-23274	3.3	37
227	Photoinduced entropy of InGaIn/GaN p-i-n double-heterostructure nanowires. <i>Applied Physics Letters</i> , 2017 , 110, 161110	3.4	35
226	Impact of N-plasma and Ga-irradiation on MoS ₂ layer in molecular beam epitaxy. <i>Applied Physics Letters</i> , 2017 , 110, 012101	3.4	34
225	Enhanced Optoelectronic Performance of a Passivated Nanowire-Based Device: Key Information from Real-Space Imaging Using 4D Electron Microscopy. <i>Small</i> , 2016 , 12, 2313-20	11	34
224	III-nitride disk-in-nanowire 1.2 μ m monolithic diode laser on (001)silicon. <i>Applied Physics Letters</i> , 2015 , 107, 191107	3.4	33
223	. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 724-726	2.2	32
222	375-nm ultraviolet-laser based non-line-of-sight underwater optical communication. <i>Optics Express</i> , 2018 , 26, 12870-12877	3.3	31
221	On the phenomenon of large photoluminescence red shift in GaN nanoparticles. <i>Nanoscale Research Letters</i> , 2013 , 8, 342	5	31
220	Two-step controllable electrochemical etching of tungsten scanning probe microscopy tips. <i>Review of Scientific Instruments</i> , 2012 , 83, 063708	1.7	31
219	High-power blue superluminescent diode for high CRI lighting and high-speed visible light communication. <i>Optics Express</i> , 2018 , 26, 26355-26364	3.3	31
218	Water splitting to hydrogen over epitaxially grown InGaIn nanowires on a metallic titanium/silicon template: reduced interfacial transfer resistance and improved stability to hydrogen. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6922-6930	13	30

217	Exfoliation of Threading Dislocation-Free, Single-Crystalline, Ultrathin Gallium Nitride Nanomembranes. <i>Advanced Functional Materials</i> , 2014 , 24, 2305-2311	15.6	30
216	Self-planarized quantum-disks-in-nanowires ultraviolet-B emitters utilizing pendeo-epitaxy. <i>Nanoscale</i> , 2017 , 9, 7805-7813	7.7	28
215	Review of nanophotonics approaches using nanostructures and nanofabrication for III-nitrides ultraviolet-photonic devices. <i>Journal of Nanophotonics</i> , 2018 , 12, 1	1.1	28
214	Determination of nitrogen composition in GaN _x As _{1-x} epilayer on GaAs. <i>Journal of Crystal Growth</i> , 2004 , 268, 470-474	1.6	26
213	On the realization of across wavy water-air-interface diffuse-line-of-sight communication based on an ultraviolet emitter. <i>Optics Express</i> , 2019 , 27, 19635-19649	3.3	26
212	Group-III-Nitride Superluminescent Diodes for Solid-State Lighting and High-Speed Visible Light Communications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-10	3.8	25
211	Chirped InAs/InP quantum-dash laser with enhanced broad spectrum of stimulated emission. <i>Applied Physics Letters</i> , 2013 , 102, 091102	3.4	25
210	Semipolar IIIbitride quantum well waveguide photodetector integrated with laser diode for on-chip photonic system. <i>Applied Physics Express</i> , 2017 , 10, 042201	2.4	24
209	InGaN/GaN nanowires epitaxy on large-area MoS ₂ for high-performance light-emitters. <i>RSC Advances</i> , 2017 , 7, 26665-26672	3.7	24
208	Tapering-induced enhancement of light extraction efficiency of nanowire deep ultraviolet LED by theoretical simulations. <i>Photonics Research</i> , 2018 , 6, 457	6	24
207	Real-Space Visualization of Energy Loss and Carrier Diffusion in a Semiconductor Nanowire Array Using 4D Electron Microscopy. <i>Advanced Materials</i> , 2016 , 28, 5106-11	24	23
206	Photoluminescence characteristics of GaInNAs quantum wells annealed at high temperature. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2002 , 20, 964		23
205	Free-space optical channel characterization and experimental validation in a coastal environment. <i>Optics Express</i> , 2018 , 26, 6614-6628	3.3	22
204	A Simple FDTD Algorithm for Simulating EM-Wave Propagation in General Dispersive Anisotropic Material. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 1321-1326	4.9	22
203	Type-I band alignment at MoS ₂ /In _{0.15} Al _{0.85} N lattice matched heterojunction and realization of MoS ₂ quantum well. <i>Applied Physics Letters</i> , 2017 , 111, 092104	3.4	22
202	Efficient Weibull channel model for salinity induced turbulent underwater wireless optical communications 2017 ,		22
201	True Yellow Light-Emitting Diodes as Phosphor for Tunable Color-Rendering Index Laser-Based White Light. <i>ACS Photonics</i> , 2016 , 3, 2089-2095	6.3	21
200	Growth and development of Arabidopsis thaliana under single-wavelength red and blue laser light. <i>Scientific Reports</i> , 2016 , 6, 33885	4.9	21

199	Highly uniform ultraviolet-A quantum-confined AlGaIn nanowire LEDs on metal/silicon with a TaN interlayer. <i>Optical Materials Express</i> , 2017 , 7, 4214	2.6	21
198	Room temperature strong coupling effects from single ZnO nanowire microcavity. <i>Optics Express</i> , 2012 , 20, 11830-7	3.3	21
197	Ultraviolet-to-blue color-converting scintillating-fibers photoreceiver for 375-nm laser-based underwater wireless optical communication. <i>Optics Express</i> , 2019 , 27, 30450-30461	3.3	21
196	Semipolar ($\text{In}_{0.2}\text{Ga}_{0.8}\text{N}$) InGaIn/GaN micro-photodetector for gigabit-per-second visible light communication. <i>Applied Physics Express</i> , 2020 , 13, 014001	2.4	20
195	Ultrabroad linewidth orange-emitting nanowires LED for high CRI laser-based white lighting and gigahertz communications. <i>Optics Express</i> , 2016 , 24, 19228-36	3.3	19
194	Semipolar InGaIn quantum-well laser diode with integrated amplifier for visible light communications. <i>Optics Express</i> , 2018 , 26, A219-A226	3.3	19
193	Unleashing the potential of molecular beam epitaxy grown AlGaIn-based ultraviolet-spectrum nanowires devices. <i>Journal of Nanophotonics</i> , 2018 , 12, 1	1.1	19
192	Non-line-of-sight methodology for high-speed wireless optical communication in highly turbid water. <i>Optics Communications</i> , 2020 , 461, 125264	2	19
191	Role of quantum-confined stark effect on bias dependent photoluminescence of N-polar GaIn/InGaIn multi-quantum disk amber light emitting diodes. <i>Journal of Applied Physics</i> , 2018 , 123, 105702	2.5	18
190	Field Demonstrations of Wide-Beam Optical Communications Through Water-Air Interface. <i>IEEE Access</i> , 2020 , 8, 160480-160489	3.5	18
189	Investigation of Self-Injection Locked Visible Laser Diodes for High Bit-Rate Visible Light Communication. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-11	1.8	18
188	Iridocytes Mediate Photonic Cooperation Between Giant Clams (Tridacninae) and Their Photosynthetic Symbionts. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	17
187	Early detection of red palm weevil using distributed optical sensor. <i>Scientific Reports</i> , 2020 , 10, 3155	4.9	17
186	Continuous-wave optically pumped green perovskite vertical-cavity surface-emitter. <i>Optics Letters</i> , 2017 , 42, 3618-3621	3	17
185	Toward self-powered and reliable visible light communication using amorphous silicon thin-film solar cells. <i>Optics Express</i> , 2019 , 27, 34542-34551	3.3	17
184	Deep-ultraviolet integrated photonic and optoelectronic devices: A prospect of the hybridization of group III nitrides, III oxides, and two-dimensional materials. <i>Journal of Semiconductors</i> , 2019 , 40, 121801	2.3	17
183	Observation of piezotronic and piezo-phototronic effects in n-InGaIn nanowires/Ti grown by molecular beam epitaxy. <i>Nano Energy</i> , 2018 , 54, 264-271	17.1	17
182	Narrow-line InGaIn/GaN green laser diode with high-order distributed-feedback surface grating. <i>Applied Physics Express</i> , 2019 , 12, 042007	2.4	16

181	Gbit/s ultraviolet-C diffuse-line-of-sight communication based on probabilistically shaped DMT and diversity reception. <i>Optics Express</i> , 2020 , 28, 9111-9122	3.3	16
180	Enhanced photoelectrochemical performance of InGaN-based nanowire photoanodes by optimizing the ionized dopant concentration. <i>Journal of Applied Physics</i> , 2018 , 124, 083105	2.5	15
179	Investigation of Chirped InAs/InGaAlAs/InP Quantum Dash Lasers as Broadband Emitters. <i>IEEE Journal of Quantum Electronics</i> , 2014 , 50, 51-61	2	15
178	Nanomembrane-Based, Thermal-Transport Biosensor for Living Cells. <i>Small</i> , 2017 , 13, 1603080	11	15
177	480-nm distributed-feedback InGaN laser diode for 10.5-Gbit/s visible-light communication. <i>Optics Letters</i> , 2020 , 45, 742-745	3	15
176	. <i>Journal of Lightwave Technology</i> , 2019 , 37, 5083-5090	4	14
175	The role of nitrogen-nitrogen pairs in the deviation of the GaAsN lattice parameter from Vegard's law. <i>Journal of Applied Physics</i> , 2004 , 96, 2010-2014	2.5	14
174	Normalized differential method for improving the signal-to-noise ratio of a distributed acoustic sensor. <i>Applied Optics</i> , 2019 , 58, 4933-4938	1.7	14
173	AquaE-lite Hybrid-Solar-Cell Receiver-Modality for Energy-Autonomous Terrestrial and Underwater Internet-of-Things. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-13	1.8	14
172	Bandgap measurements and the peculiar splitting of E _{2H} phonon modes of In _x Al _{1-x} N nanowires grown by plasma assisted molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2016 , 120, 045701	2.5	14
171	Quantified hole concentration in AlGaIn nanowires for high-performance ultraviolet emitters. <i>Nanoscale</i> , 2018 , 10, 15980-15988	7.7	14
170	Near-Infrared OAM Communication Using 3D-Printed Microscale Spiral Phase Plates. <i>IEEE Communications Magazine</i> , 2019 , 57, 65-69	9.1	13
169	Enabling area-selective potential-energy engineering in InGaIn/GaN quantum wells by post-growth intermixing. <i>Optics Express</i> , 2015 , 23, 7991-8	3.3	13
168	Direct Growth of III-Nitride Nanowire-Based Yellow Light-Emitting Diode on Amorphous Quartz Using Thin Ti Interlayer. <i>Nanoscale Research Letters</i> , 2018 , 13, 41	5	13
167	Enhancing the Light-Extraction Efficiency of an AlGaIn Nanowire Ultraviolet Light-Emitting Diode by Using Nitride/Air Distributed Bragg Reflector Nanogratings. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-8	1.8	13
166	Achieving Uniform Carrier Distribution in MBE-Grown Compositionally Graded InGaIn Multiple-Quantum-Well LEDs. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-9	1.8	13
165	Aqua-Fi: Delivering Internet Underwater Using Wireless Optical Networks. <i>IEEE Communications Magazine</i> , 2020 , 58, 84-89	9.1	12
164	High responsivity GaInAsSb p-i-n photodetectors at 1.3 microm grown by radio-frequency nitrogen plasma-assisted molecular beam epitaxy. <i>Optics Express</i> , 2008 , 16, 7720-5	3.3	12

163	Thermally induced diffusion in GaInNAs/GaAs and GaInAs/GaAs quantum wells grown by solid source molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2005 , 97, 013506	2.5	12
162	Photoluminescence quenching mechanisms in GaInNAs/GaAs quantum well grown by solid source molecular beam epitaxy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2003 , 21, 2324		12
161	Molecular beam epitaxial growth of GaAs $_{1-x}$ N $_x$ with dispersive nitrogen source. <i>Journal of Crystal Growth</i> , 2002 , 242, 87-94	1.6	12
160	Improved solar hydrogen production by engineered doping of InGaN/GaN axial heterojunctions. <i>Optics Express</i> , 2019 , 27, A81-A91	3.3	12
159	Carbon nanotube-graphene composite film as transparent conductive electrode for GaN-based light-emitting diodes. <i>Applied Physics Letters</i> , 2016 , 109, 081902	3.4	12
158	Imaging Localized Energy States in Silicon-Doped InGaN Nanowires Using 4D Electron Microscopy. <i>ACS Energy Letters</i> , 2018 , 3, 476-481	20.1	11
157	Flexible InGaN nanowire membranes for enhanced solar water splitting. <i>Optics Express</i> , 2018 , 26, A640-A650	3.5	11
156	Photoluminescence characterization of GaInNAs/GaAs quantum well carrier dynamics. <i>Journal of Applied Physics</i> , 2003 , 94, 3110-3114	2.5	11
155	The effect of turbulence on NLOS underwater wireless optical communication channels [Invited]. <i>Chinese Optics Letters</i> , 2019 , 17, 100013	2.2	11
154	Survey of energy-autonomous solar cell receivers for satellite-air-ground-ocean optical wireless communication. <i>Progress in Quantum Electronics</i> , 2020 , 74, 100300	9.1	11
153	On the optical and microstrain analysis of graded InGaN/GaN MQWs based on plasma assisted molecular beam epitaxy. <i>Optical Materials Express</i> , 2016 , 6, 2052	2.6	11
152	Thermodynamic photoinduced disorder in AlGaIn nanowires. <i>AIP Advances</i> , 2017 , 7, 125113	1.5	10
151	Electron irradiation induced reduction of the permittivity in chalcogenide glass (As ₂ S ₃) thin film. <i>Journal of Applied Physics</i> , 2013 , 113, 044116	2.5	10
150	Analysis and optimization of the annealing mechanisms in (In)GaAsN on GaAs. <i>Semiconductor Science and Technology</i> , 2006 , 21, 808-812	1.8	10
149	Enhanced electro-optic performance of surface-treated nanowires: origin and mechanism of nanoscale current injection for reliable ultraviolet light-emitting diodes. <i>Optical Materials Express</i> , 2019 , 9, 203	2.6	10
148	Visible light communication using DC-biased optical filter bank multi-carrier modulation 2018 ,		9
147	High Reflectivity YDH/SiO ₂ Distributed Bragg Reflector for UV-C Wavelength Regime. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-8	1.8	9
146	Study of surface microstructure origin and evolution for GaAs grown on Ge/Si $_{1-x}$ Gex/Si substrate. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 035303	3	9

145	Effect of In and N incorporation on the properties of lattice-matched GaInNAs/GaAs grown by radio frequency plasma-assisted solid-source molecular beam epitaxy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2002 , 20, 2091		9
144	Dual-wavelength luminescent fibers receiver for wide field-of-view, Gb/s underwater optical wireless communication. <i>Optics Express</i> , 2021 , 29, 38014-38026	3.3	9
143	Wide-field-of-view optical detectors using fused fiber-optic tapers. <i>Optics Letters</i> , 2021 , 46, 1916-1919	3	9
142	Scintillations of RGB laser beams in weak temperature and salinity-induced oceanic turbulence 2018 ,		9
141	Twofold Porosity and Surface Functionalization Effect on Pt-Porous GaN for High-Performance H-Gas Sensors at Room Temperature. <i>ACS Omega</i> , 2019 , 4, 1678-1684	3.9	8
140	First demonstration of InGaP/InAlGaP based orange laser emitting at 608nm. <i>Electronics Letters</i> , 2015 , 51, 1102-1104	1.1	8
139	Ultraviolet-A LED Based on Quantum-Disks-In-AlGaN-Nanowires Optimization and Device Reliability. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-11	1.8	8
138	Bandwidth enhancement of wireless optical communication link using a near-infrared laser over turbid underwater channel 2017 ,		8
137	Anomalous photoluminescence thermal quenching of sandwiched single layer MoS ₂ . <i>Optical Materials Express</i> , 2017 , 7, 3697	2.6	8
136	High-Power and High-Efficiency 1.3- μm Superluminescent Diode With Flat-Top and Ultrawide Emission Bandwidth. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-8	1.8	8
135	Simultaneous quantum dash-well emission in a chirped dash-in-well superluminescent diode with spectral bandwidth >700 nm. <i>Optics Letters</i> , 2013 , 38, 3720-3	3	8
134	Modeling the lasing spectra of InAs/InP Quantum dash lasers. <i>Applied Physics Letters</i> , 2011 , 98, 101105	3.4	8
133	Laser-based visible light communications and underwater wireless optical communications: a device perspective 2019 ,		8
132	Single-Crystalline All-Oxide Heterostructures for Deep-Ultraviolet Photodetection. <i>ACS Applied Materials & Interfaces</i> , 2020 ,	9.5	8
131	Wireless optical transmission of 450 nm, 3.2 Gbit/s 16-QAM-OFDM signals over 6.6 m underwater channel 2016 ,		8
130	Tunable self-injection locked green laser diode. <i>Optics Letters</i> , 2018 , 43, 4931-4934	3	8
129	7.4-Gbit/s Visible-Light Communication Utilizing Wavelength-Selective Semipolar Micro-Photodetector. <i>IEEE Photonics Technology Letters</i> , 2020 , 1-1	2.2	7
128	Diode junction temperature in ultraviolet AlGaIn quantum-disks-in-nanowires. <i>Journal of Applied Physics</i> , 2018 , 124, 015702	2.5	7

127	Going beyond 10-meter, Gbit/s underwater optical wireless communication links based on visible lasers 2017 ,		7
126	14-GHz GaNAsSb Unitraveling-Carrier 1.3- μm Photodetectors Grown by RF Plasma-Assisted Nitrogen Molecular Beam Epitaxy. <i>IEEE Electron Device Letters</i> , 2009 , 30, 590-592	4.4	7
125	Simultaneous Distributed Acoustic and Temperature Sensing Using a Multimode Fiber. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020 , 26, 1-7	3.8	7
124	A Review of Using Few-Mode Fibers for Optical Sensing. <i>IEEE Access</i> , 2020 , 8, 179592-179605	3.5	7
123	On the Reciprocity of Underwater Turbulent Channels. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-9	1.8	7
122	Group-III-nitride and halide-perovskite semiconductor gain media for amplified spontaneous emission and lasing applications. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 143001	3	7
121	Compact scintillating-fiber/450-nm-laser transceiver for full-duplex underwater wireless optical communication system under turbulence.. <i>Optics Express</i> , 2022 , 30, 53-69	3.3	7
120	Semipolar InGaN-based superluminescent diodes for solid-state lighting and visible light communications 2017 ,		6
119	Analysis of optical injection on red and blue laser diodes for high bit-rate visible light communication. <i>Optics Communications</i> , 2019 , 449, 79-85	2	6
118	Worst-case residual clipping noise power model for bit loading in LACO-OFDM 2018 ,		6
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