

Namkyoo Park

List of Publications by Year in descending order

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286
papers

8,413
citations

50244

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all docs

291
docs citations

291
times ranked

7370
citing authors

#	ARTICLE	IF	CITATIONS
1	Photonic topological Lifshitz interfaces. <i>Nanophotonics</i> , 2022, 11, 1211-1217.	2.9	1
2	Machine-Engineered Active Disorder for Digital Photonics. <i>Advanced Optical Materials</i> , 2022, 10, 2102642.	3.6	1
3	Hearing the shape of a drum for light: isospectrality in photonics. <i>Nanophotonics</i> , 2022, 11, 2763-2778.	2.9	12
4	The latest trends in nanophotonics. <i>Nanophotonics</i> , 2022, 11, 2389-2392.	2.9	5
5	Control of localization and optical properties with deep-subwavelength engineered disorder. <i>Optics Express</i> , 2022, 30, 28301.	1.7	2
6	Engineered disorder in photonics. <i>Nature Reviews Materials</i> , 2021, 6, 226-243.	23.3	129
7	Dispersion-Controlled Gold-Aluminum-Silicon Dioxide-Aluminum Nanopawn Structures for Visible to NIR Light Modulation. <i>Advanced Materials</i> , 2021, 33, e2007831.	11.1	5
8	A Transformative Metasurface Based on Zerogap Embedded Template. <i>Advanced Optical Materials</i> , 2021, 9, 2002164.	3.6	21
9	Topology-Changing Broadband Metamaterials Enabled by Closable Nanotrenches. <i>Nano Letters</i> , 2021, 21, 4202-4208.	4.5	24
10	Information Security: Dispersion-Controlled Gold-Aluminum-Silicon Dioxide-Aluminum Nanopawn Structures for Visible to NIR Light Modulation (Adv. Mater. 15/2021). <i>Advanced Materials</i> , 2021, 33, 2170113.	11.1	0
11	Acoustic Willis meta-atom beyond the bounds of passivity and reciprocity. <i>Communications Physics</i> , 2021, 4, .	2.0	16
12	Topologically protected optical signal processing using parity-time-symmetric oscillation quenching. <i>Nanophotonics</i> , 2021, 10, 2883-2891.	2.9	6
13	Polarization Selective Transparent Electrode With Patterned Metal for the 3D Display Pixel. <i>IEEE Photonics Journal</i> , 2021, 13, 1-7.	1.0	0
14	Neural-Network-based Design of Tunable Multilayer Films. , 2021, , .		0
15	Quantum mechanical rotation of a photon polarization by Earth's gravitational field. <i>Npj Quantum Information</i> , 2021, 7, .	2.8	2
16	Coexistence of Oscillation Quenching States in Nonlinear Parity-Time-Symmetric Systems. , 2021, , .		0
17	High-Speed Transmission Control in Gate-Tunable Metasurfaces Using Hybrid Plasmonic Waveguide Mode. <i>Advanced Optical Materials</i> , 2020, 8, 2001256.	3.6	25
18	Topological Hyperbolic Lattices. <i>Physical Review Letters</i> , 2020, 125, 053901.	2.9	42

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19	Machine learning identifies scale-free properties in disordered materials. Nature Communications, 2020, 11, 4842.	5.8	18
20	Self-Organized Gold Network-Vanadium Dioxide Hybrid Film for Dynamic Modulation of Visible-Near-Infrared Light. Advanced Photonics Research, 2020, 1, 2000050.	1.7	9
21	Mitigation of B1+ inhomogeneity for ultra-high-field magnetic resonance imaging: hybrid mode shaping with auxiliary EM potential. Scientific Reports, 2020, 10, 11752.	1.6	3
22	Digitally virtualized atoms for acoustic metamaterials. Nature Communications, 2020, 11, 251.	5.8	42
23	Universal Design Platform for an Extended Class of Photonic Dirac Cones. Physical Review Applied, 2020, 13, .	1.5	12
24	Elastic Hamiltonians for quantum analog applications. Physical Review B, 2020, 101, .	1.1	3
25	New trends in nanophotonics. Nanophotonics, 2020, 9, 983-985.	2.9	10
26	Neuromorphic Photonics: Neuromorphic Functions of Light in Parity-Time-Symmetric Systems (Adv. Sci.) Tj ETQq0 0.0 rgBT /Overlock 10	3.6	0
27	Designing Modes in Disordered Photonic Structures. SpringerBriefs in Physics, 2019, , 47-81.	0.2	0
28	Neuromorphic Functions of Light in Parity-Time-Symmetric Systems. Advanced Science, 2019, 6, 1900771.	5.6	14
29	Steering second-harmonic radiation through local excitations of plasmon. Optics Express, 2019, 27, 18246.	1.7	8
30	Designing Spectra in Disordered Photonic Structures. SpringerBriefs in Physics, 2019, , 9-46.	0.2	0
31	Designing non-Hermitian dynamics for conservative state evolution on the Bloch sphere. Physical Review A, 2018, 97, .	1.0	5
32	Eight Inch Wafer-Scale Flexible Polarization-Dependent Color Filters with Ag-TiO ₂ Composite Nanowires. ACS Applied Materials & Interfaces, 2018, 10, 9188-9196.	4.0	19
33	Ultrathin Organic Solar Cells with a Power Conversion Efficiency of Over ~13.0%, Based on the Spatial Corrugation of the Metal Electrode-Cathode Fabry-Perot Cavity. Advanced Science, 2018, 5, 1700900.	5.6	7
34	Disordered Potential Landscapes for Anomalous Delocalization and Superdiffusion of Light. ACS Photonics, 2018, 5, 1499-1505.	3.2	11
35	Colossal Terahertz Field Enhancement Using Split-Ring Resonators with a Sub-10 nm Gap. ACS Photonics, 2018, 5, 278-283.	3.2	44
36	Fano-resonant Excitations of Generalized Optical Spin Waves. Springer Series in Optical Sciences, 2018, , 33-55.	0.5	2

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37	Demonstration of steering acoustic waves by generalized Eaton lens. Applied Physics Letters, 2018, 113, .	1.5	15
38	Topological Interface between Anisotropic Materials for Transverse Spinning of Light Fields. , 2018, , .		1
39	Phase Manipulation of Constant-Intensity Waves in Disordered Optical Structures. , 2018, , .		1
40	Design of Transverse Spinning of Light with Globally Unique Handedness. Physical Review Letters, 2018, 120, 203901.	2.9	26
41	Bohmian Photonics for Independent Control of the Phase and Amplitude of Waves. Physical Review Letters, 2018, 120, 193902.	2.9	32
42	Low-dimensional gap plasmons for enhanced light-graphene interactions. Scientific Reports, 2017, 7, 43333.	1.6	2
43	Ultimate terahertz field enhancement of single nanoslits. Physical Review B, 2017, 95, .	1.1	40
44	Top-down, decoupled control of constitutive parameters in electromagnetic metamaterials with dielectric resonators of internal anisotropy. Scientific Reports, 2017, 7, 42447.	1.6	0
45	Target decoupling in coupled systems resistant to random perturbation. Scientific Reports, 2017, 7, 2139.	1.6	6
46	Interface defect-assisted phonon scattering of hot carriers in graphene. Physical Review B, 2017, 96, .	1.1	6
47	Controlling Random Waves with Digital Building Blocks Based on Supersymmetry. Physical Review Applied, 2017, 8, .	1.5	13
48	Interdimensional optical isospectrality inspired by graph networks. Optica, 2016, 3, 836.	4.8	23
49	Low-dimensional optical chirality in complex potentials. Optica, 2016, 3, 1025.	4.8	32
50	Direct Optical Probing of Transverse Electric Mode in Graphene. Scientific Reports, 2016, 6, 21523.	1.6	30
51	Nanopore formation on Au coated pyramid under electron beam irradiations (plasmonic nanopore on) Tj ETQq1 1 0,784314 rgBT /Over	2.2	18
52	Effect of structural asymmetry on three layer plasmonic waveguide properties. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 963.	0.9	11
53	Metadisorder for designer light in random systems. Science Advances, 2016, 2, e1501851.	4.7	22
54	Inverted Ultrathin Organic Solar Cells with a Quasi-Grating Structure for Efficient Carrier Collection and Dip-less Visible Optical Absorption. Scientific Reports, 2016, 6, 21784.	1.6	12

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55	Acoustic omni meta-atom for decoupled access to all octants of a wave parameter space. Nature Communications, 2016, 7, 13012.	5.8	60
56	Acceleration toward polarization singularity inspired by relativistic $E\vec{A}-B$ drift. Scientific Reports, 2016, 6, 37754.	1.6	15
57	Terahertz field enhancement in asymmetric and tapered nano-gaps. Optics Express, 2016, 24, 2065.	1.7	12
58	Terahertz transmission through rings of quantum dots-nanogap. Applied Physics Express, 2016, 9, 032001.	1.1	7
59	Graphene-ferroelectric metadevices for nonvolatile memory and reconfigurable logic-gate operations. Nature Communications, 2016, 7, 10429.	5.8	89
60	Gap-Plasmon-Enhanced Nanofocusing Near-Field Microscopy. ACS Photonics, 2016, 3, 223-232.	3.2	63
61	Suppression of Radiative Damping and Enhancement of Second Harmonic Generation in Bull's Eye Nanoresonators. ACS Nano, 2016, 10, 475-483.	7.3	11
62	Independent Color Filtering of Differently Polarized Light Using Metal-Insulator-Metal Type Guided Mode Resonance Structure. Journal of the Optical Society of Korea, 2016, 20, 180-187.	0.6	5
63	Terahertz nanogap enabled phase transition engineering on vanadium dioxide. , 2016, , .		0
64	Progress toward high-Q perfect absorption: A Fano antilaser. Physical Review A, 2015, 92, .	1.0	29
65	Spectral separation of optical spin based on antisymmetric Fano resonances. Scientific Reports, 2015, 5, 16585.	1.6	18
66	Fabrication of pyramidal probes with various periodic patterns and a single nanopore. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2015, 33, .	0.6	12
67	Effects of optical Joule heating in metamaterial absorber: A non-linear recursive feedback optical-thermodynamic multiphysics study. , 2015, , .		2
68	Chiral interactions of light in complex potentials. , 2015, , .		1
69	Investigation of electron beam irradiation effect on pore formation for single molecule bio-sensor fabrication. Proceedings of SPIE, 2015, , .	0.8	0
70	Detection of transverse plasmons in multilayer graphene. , 2015, , .		0
71	Bloch-like waves in random-walk potentials based on supersymmetry. Nature Communications, 2015, 6, 8269.	5.8	60
72	Gap Mode Formation in Metallic, Nanofocusing SNOM Tapers for High Spatial Resolution Broadband Spectroscopy. , 2015, , .		0

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73	Selective electric and magnetic sensitivity of aperture probes. Optics Express, 2015, 23, 20820.	1.7	11
74	One-way optical modal transition based on causality in momentum space. Optics Express, 2015, 23, 24997.	1.7	11
75	A Vanadium Dioxide Metamaterial Disengaged from Insulator-to-Metal Transition. Nano Letters, 2015, 15, 6318-6323.	4.5	108
76	Enhanced Light Trapping and Power Conversion Efficiency in Ultrathin Plasmonic Organic Solar Cells: A Coupled Optical-Electrical Multiphysics Study on the Effect of Nanoparticle Geometry. ACS Photonics, 2015, 2, 78-85.	3.2	49
77	Physical mechanism of Au nanopore formation on pyramid using electron beam irradiation. , 2014, , .		0
78	Unusual Otto excitation dynamics and enhanced coupling of light to TE plasmons in graphene. Optics Express, 2014, 22, 847.	1.7	24
79	Theoretical study on the generation of a low-noise plasmonic hotspot by means of a trench-assisted circular nano-slit. Optics Express, 2014, 22, 26844.	1.7	8
80	Embedding metal electrodes in thick active layers for ITO-free plasmonic organic solar cells with improved performance. Optics Express, 2014, 22, A1145.	1.7	10
81	Fabrication of nanopore on pyramid. Applied Surface Science, 2014, 310, 196-203.	3.1	20
82	Hotspot-Engineered 3D Multipetal Flower Assemblies for Surface-Enhanced Raman Spectroscopy. Advanced Materials, 2014, 26, 5924-5929.	11.1	74
83	Toward Plasmonics with Nanometer Precision: Nonlinear Optics of Helium-Ion Milled Gold Nanoantennas. Nano Letters, 2014, 14, 4778-4784.	4.5	174
84	Hotspots: Hotspot-Engineered 3D Multipetal Flower Assemblies for Surface-Enhanced Raman Spectroscopy (Adv. Mater. 34/2014). Advanced Materials, 2014, 26, 5923-5923.	11.1	4
85	Plasmonic Excitations of 1D Metal-Dielectric Interfaces in 2D Systems: 1D Surface Plasmon Polaritons. Scientific Reports, 2014, 4, 4536.	1.6	25
86	Colossal Absorption of Molecules Inside Single Terahertz Nanoantennas. Nano Letters, 2013, 13, 1782-1786.	4.5	178
87	Atomic layer lithography of wafer-scale nanogap arrays for extreme confinement of electromagnetic waves. Nature Communications, 2013, 4, 2361.	5.8	286
88	Incorporation of nanovoids into metallic gratings for broadband plasmonic organic solar cells. Optics Express, 2013, 21, 4055.	1.7	24
89	Optical magnetic field mapping using a subwavelength aperture. Optics Express, 2013, 21, 5625.	1.7	48
90	Wave front adaptation using a deformable mirror for adiabatic nanofocusing along an ultrasharp gold taper. Optics Express, 2013, 21, 26564.	1.7	13

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91	Focus issue on surface plasmon photonics introduction. Optics Express, 2013, 21, 27286.	1.7	1
92	Numerical study on the generation of low-noise, cylindrical surface plasmons by a trenched metal nano-slit structure. , 2013, , .		0
93	Phase-dependent reversible nonreciprocity in complex metamolecules. Physical Review B, 2013, 87, .	1.1	15
94	Controlling the nanopore fabrication using high energy electron beam exposure. , 2013, , .		0
95	DNA translocation through a periodically patterned nanoprobe. , 2013, , .		0
96	Effect of index contrasts in the wide spectral-range control of slot waveguide dispersion. Optics Express, 2012, 20, 13189.	1.7	17
97	Control of Fano asymmetry in plasmon induced transparency and its application to plasmonic waveguide modulator. Optics Express, 2012, 20, 18994.	1.7	191
98	Slow-light dispersion properties of multiatomic multiband coupled-resonator optical waveguides. Physical Review A, 2012, 85, .	1.0	16
99	Plasmonic Structural-Color Thin Film With a Wide Reception Angle and Strong Retro-Reflectivity. IEEE Photonics Journal, 2012, 4, 2182-2188.	1.0	3
100	Dynamical sequence of Au plasmonic nanopore formation using high energy electron beam exposure. , 2012, , .		0
101	Adiabatic Nanofocusing on Ultrasoother Single-Crystalline Gold Tapers Creates a 10-nm-Sized Light Source with Few-Cycle Time Resolution. ACS Nano, 2012, 6, 6040-6048.	7.3	97
102	Spatiospectral separation of exceptional points in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi mathvariant="script"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -symmetric optical potentials. Physical Review A, 2012, 86, .	1.0	23
103	Flexible, Angle-Independent, Structural Color Reflectors Inspired by Morpho Butterfly Wings. Advanced Materials, 2012, 24, 2375-2379.	11.1	276
104	Fabrication and Analysis of Epitaxially Grown $\text{Ge}_{1-x}\text{Sn}_x$ Microdisk Resonator With 20-nm Free-Spectral Range. IEEE Photonics Technology Letters, 2011, 23, 1535-1537.	1.3	12
105	Adiabatic Nanofocusing Scattering-Type Optical Nanoscopy of Individual Gold Nanoparticles. Nano Letters, 2011, 11, 1609-1613.	4.5	97
106	Fano-type spectral asymmetry and its control for plasmonic metal-insulator-metal stub structures. Optics Express, 2011, 19, 10907.	1.7	101
107	Superfocusing of electric or magnetic fields using conical metal tips: effect of mode symmetry on the plasmon excitation method. Optics Express, 2011, 19, 12342.	1.7	28
108	Terahertz pinch harmonics enabled by single nano rods. Optics Express, 2011, 19, 24775.	1.7	20

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109	Mode junction photonics with a symmetry-breaking arrangement of mode-orthogonal heterostructures. Optics Express, 2011, 19, 25500.	1.7	16
110	Bethe-hole polarization analyser for the magnetic vector of light. Nature Communications, 2011, 2, 451.	5.8	83
111	Fabrication of photonic force devices for biomolecule dynamics. , 2011, , .		2
112	Fabrication of plasmonic nanopore array for biomolecule sensor. Proceedings of SPIE, 2011, , .	0.8	0
113	A terahertz metamaterial with unnaturally high refractive index. Nature, 2011, 470, 369-373.	13.7	551
114	Active terahertz metamaterials: Nano slot antennas on VO ₂ thin films. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1227-1230.	0.8	18
115	All-optical half-adder based on photonic mode junction. , 2011, , .		0
116	Extremely High Refractive Index Terahertz Metamaterial. , 2011, , .		1
117	Surface Roughness Effect on Q-Factor of Ge Whispering Gallery Mode Microdisk Resonator. , 2011, , .		1
118	Characterization of Polymer Microtoroid Resonators Fabricated by Two-Photon Stereolithography Process. , 2011, , .		1
119	Two-Dimensionally Isotropic High Index Metamaterials. , 2011, , .		0
120	Superfocusing the light through nanosize circular aperture. Proceedings of SPIE, 2010, , .	0.8	0
121	Magnetic-field enhancement beyond the skin-depth limit. , 2010, , .		0
122	Surface plasmon beam splitting by the photon tunneling through the plasmonic nanogap. Applied Physics Letters, 2010, 97, 133113.	1.5	19
123	Resonance frequency shifts of rectangular holes on finite dielectric substrates. , 2010, , .		0
124	Resonance behavior of single ultrathin slot antennas on finite dielectric substrates in terahertz regime. Applied Physics Letters, 2010, 96, .	1.5	41
125	Differential Monitoring of AWG-Filtered Reflection Signal for Accurate Transmitter Power Control of Injection-Locked WDM PON Systems. IEEE Photonics Technology Letters, 2010, 22, 477-479.	1.3	0
126	Cooperative upconversion and optical gain in ion-beam sputter-deposited Er _x Y _{2-x} SiO ₅ waveguides. Optics Express, 2010, 18, 7724.	1.7	56

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127	Out of plane mode conversion and manipulation of Surface Plasmon Polariton Waves. Optics Express, 2010, 18, 8800.	1.7	35
128	Low-loss surface-plasmonic nanobeam cavities. Optics Express, 2010, 18, 11089.	1.7	44
129	Giant nonlinear response of terahertz nanoresonators on VO ₂ thin film. Optics Express, 2010, 18, 16452.	1.7	47
130	Directional emission from photonic crystal waveguide terminations using particle swarm optimization. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 343.	0.9	20
131	Active Terahertz Nanoantennas Based on VO ₂ Phase Transition. Nano Letters, 2010, 10, 2064-2068.	4.5	331
132	Ultrabroadband metamaterial with full transmission control. , 2010, , .		0
133	High-efficiency out of plane conversion and manipulation of Surface Plasmon waves. , 2010, , .		1
134	Terahertz nanogap antenna for detection of nano-rods. , 2009, , .		0
135	Extraordinary Magnetic Field Enhancement with Metallic Nanowire: Role of Surface Impedance in Babinet's Principle for Sub-Skin-Depth Regime. Physical Review Letters, 2009, 103, 263901.	2.9	49
136	Terahertz modulation using micro- and nano- apertures on VO ₂ thin film. , 2009, , .		0
137	Metal-slit array fresnel-lens for optical coupling. , 2009, , .		0
138	Terahertz field enhancement by a metallic nano slit operating beyond the skin-depth limit. Nature Photonics, 2009, 3, 152-156.	15.6	514
139	Statistical correlation and independence among parallel outputs from delay-interferometer based direct detection multilevel optical DPSK receivers. Optical Fiber Technology, 2009, 15, 50-56.	1.4	0
140	Reconfigurable all-optical logic AND, NAND, OR, NOR, XOR and XNOR gates implemented by photonic crystal nonlinear cavities. , 2009, , .		20
141	Metal slit array Fresnel lens for wavelength-scale optical coupling to nanophotonic waveguides. Optics Express, 2009, 17, 18852.	1.7	20
142	Design of all-optical read-only memory. Applied Optics, 2009, 48, G21.	2.1	29
143	Demonstration of 10 Gbps, all-optical encryption and decryption system utilizing SOA XOR logic gates. Optical and Quantum Electronics, 2008, 40, 425-430.	1.5	36
144	One-Level Simplification Method for All-Optical Combinational Logic Circuits. IEEE Photonics Technology Letters, 2008, 20, 800-802.	1.3	24

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145	All-optical Read Only Memory Employing SOAs. Journal of the Optical Society of Korea, 2008, 12, 52-56.	0.6	6
146	Semi-empirical multi-port lattice model for long-period fiber grating analysis under arbitrary temperature distributions. Optics Express, 2008, 16, 598.	1.7	0
147	Coded output photonic A/D converter based on photonic crystal slow-light structures. Optics Express, 2008, 16, 13752.	1.7	7
148	Performance comparison of delay- interferometer based direct detection oDPSK receivers. Optics Express, 2008, 16, 18776.	1.7	0
149	Analysis of Brillouin-Based Distributed Fiber Sensors Using Optical Pulse Coding. , 2008, , .		3
150	Er³⁺-doped SiO₂ thin film waveguide for high optical gain per length at 1.53 μm. , 2008, , .		0
151	All-optical 4-bit Gray code to binary coded decimal converter. Proceedings of SPIE, 2008, , .	0.8	25
152	Analysis of distributed temperature sensing based on Raman scattering using OTDR coding and discrete Raman amplification. Measurement Science and Technology, 2007, 18, 3211-3218.	1.4	97
153	Demonstration of 10 Gbps Optical Encryption and Decryption by Using Semiconductor Optical Amplifiers. , 2007, , .		1
154	Coded optical time domain reflectometry: principle and applications. Proceedings of SPIE, 2007, , .	0.8	6
155	Optical Bandpass Filter with Tunable Chromatic Dispersion and Optical Bandwidth Using a Variable MEMS Reflector. , 2007, , .		3
156	Optimization of the material parameters for Silicon nanocluster sensitized Er-doped waveguide amplifier. , 2007, , .		1
157	All-Optical Digital Logic Circuit based on NOR-Only Two-Level Simplification Method. , 2007, , .		0
158	Optofluidic Maskless Lithography System. , 2007, , .		2
159	Operation frequency tuning of photonic crystal switch utilizing electric field bias control. , 2007, , .		1
160	Multi-port, multi-wavelength supervisory system for in-service monitoring of bi-directional WDM-PON systems. , 2007, , .		0
161	Wavelength-transparent nonlinear optical gate based on self-seeded gain modulation in folded tandem-SOA. Optics Express, 2007, 15, 4929.	1.7	8
162	In-service monitoring of 16 port x 32 wavelength bi-directional WDM-PON systems with a tunable, coded optical time domain reflectometry. Optics Express, 2007, 15, 6874.	1.7	9

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163	Optofluidic maskless lithography system for real-time synthesis of photopolymerized microstructures in microfluidic channels. Applied Physics Letters, 2007, 91, .	1.5	150
164	Semi-Empirical Model for the Thermally tunable LPFG. , 2007, , .		0
165	Automatic EDFA gain spectrum equalization using LPFGs on divided coil heaters. , 2007, , .		4
166	Performance Evaluation of Trellis Code Modulated oDQPSK Using the KLSE Method. IEEE Photonics Technology Letters, 2007, 19, 1245-1247.	1.3	6
167	Superresolution Digital Image Enhancement by Subpixel Image Translation With a Scanning Micromirror. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 304-311.	1.9	11
168	Analysis of Long Period Fiber Grating using Thermally Tunable Multiport Lattice Model. , 2006, , .		0
169	Chip-scale High-speed Fourier-transform Spectrometer Based on a Combination of a Michelson and a Fabry-Perot Interferometer. , 2006, , .		2
170	Gain and noise figure spectrum control algorithm for fiber Raman amplifiers. IEEE Photonics Technology Letters, 2006, 18, 1125-1127.	1.3	8
171	Raman-based distributed temperature sensor with simplex coding and link optimization. IEEE Photonics Technology Letters, 2006, 18, 1879-1881.	1.3	84
172	Synthesis method based on optimization techniques for designing piecewise-uniform long-period fiber gratings controlled by thermal changes. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1241.	0.9	2
173	Integral equation approach for the analysis of high-power semiconductor optical amplifiers. Optics Express, 2006, 14, 2398.	1.7	7
174	Optimization of SNR improvement in the noncoherent OTDR based on simplex codes. Journal of Lightwave Technology, 2006, 24, 322-328.	2.7	65
175	Nonlinear phase shift scanning method for the optimal design of Raman transmission systems. Journal of Lightwave Technology, 2006, 24, 1257-1268.	2.7	3
176	Tunable Optical Bandpass Filter With Variable-Aperture MEMS Reflector. Journal of Lightwave Technology, 2006, 24, 5095-5102.	2.7	9
177	Amplification characteristics of nanocluster-Si sensitized Er-doped waveguide amplifier using top-pumped blue-green LED. , 2006, , .		0
178	Micromachined Fourier transform spectrometer on silicon optical bench platform. Sensors and Actuators A: Physical, 2006, 130-131, 523-530.	2.0	78
179	Si nanocluster sensitization of Er-doped silica for optical amplet using top-pumping visible LEDs. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 783-796.	1.9	17
180	Superresolution image enhancement in digital photomicrography by subpixel translation using a scanning micromirror. , 2006, , .		2

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181	Non-linear Optical Gate based on Auto-Correlated Cross Gain Modulation Effect in Folded Tandem-SOAs. , 2006, , .		1
182	Micromirror-based Scan Range Enhancement in Fourier-Domain Optical Coherence Tomography. , 2006, , .		1
183	Compact laser scanning distance sensor with a two-axis gimbaled microscanner for volumetric imaging. , 2006, , .		0
184	Improved Performance in Raman-Based Distributed Temperature Sensing with Coded OTDR and Discrete Raman Amplification. , 2006, , .		2
185	Application of Numerical Analysis Techniques for the Optimization of Wideband Amplifier Performances. , 2006, , 155-172.		0
186	Performance optimization of nanocrystal-Si sensitized Er-doped waveguide amplifier. , 2005, , .		0
187	Recent advances in nanocrystal-Si sensitized, Er-doped silica waveguide amplifiers. , 2005, , .		0
188	Semi-analytic gain control algorithm for the fiber Raman amplifier under dynamic channel reconfiguration. , 2005, , .		0
189	Characterization of MEMS optical bandpass filters with narrow transition bands. , 2005, , .		4
190	Nonlinear phase shift scanning method for the optimal design of Raman transmission systems. , 2005, , .		1
191	Designing Raman amplified transmission systems: what's there and how to. , 2005, 6019, 424.		0
192	Integral form expansion of fiber Raman amplifier problem. Optical Fiber Technology, 2005, 11, 111-130.	1.4	8
193	Optical gain at 1.5 /spl mu/m in nanocrystal Si-sensitized Er-doped silica waveguide using top-pumping 470 nm LEDs. Journal of Lightwave Technology, 2005, 23, 19-25.	2.7	83
194	Performance comparison of optical 8-ary differential phase-shift keying systems with different electrical decision schemes. Optics Express, 2005, 13, 371.	1.7	46
195	Performance analysis of nanocluster-Si sensitized Er-doped waveguide amplifier using top-pumped 470nm LED. Optics Express, 2005, 13, 9881.	1.7	26
196	Adiabatic, closed-form approach to the highly efficient analysis of a fiber Raman amplifier problem. Optics Letters, 2005, 30, 126.	1.7	3
197	SNR enhancement of OTDR using biorthogonal codes and generalized inverses. IEEE Photonics Technology Letters, 2005, 17, 163-165.	1.3	28
198	Independently tunable first- and second-order polarization-mode dispersion emulator. IEEE Photonics Technology Letters, 2005, 17, 576-578.	1.3	4

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199	Semianalytic dynamic gain-clamping method for the fiber Raman amplifier. IEEE Photonics Technology Letters, 2005, 17, 768-770.	1.3	5
200	Dynamic EDFA gain-flattening filter using two LPFGs with divided coil heaters. IEEE Photonics Technology Letters, 2005, 17, 1226-1228.	1.3	21
201	High-performance discrete amplifier based on a second-order fiber Raman oscillator. IEEE Photonics Technology Letters, 2005, 17, 2298-2300.	1.3	1
202	Study on the PMD impairment of optical multilevel DPSK systems and its mitigation methods. IEEE Photonics Technology Letters, 2005, 17, 2577-2579.	1.3	9
203	High gain and low noise discrete amplifier based on a second order Raman fiber ring oscillator. , 2005, , .		1
204	S/S+ band tunable thulium-doped fiber laser anchored on 50-GHz ITU-T grid. Optics Communications, 2004, 233, 127-130.	1.0	2
205	Widely Tunable S/S+ Band Thulium-Doped Fiber Laser Locked to 50-GHz ITU-T Grid. IEEE Photonics Technology Letters, 2004, 16, 404-406.	1.3	3
206	Structural Detuning of Absorption Rate in Doped Fiber for the Enhancement of Power Efficiency. IEEE Photonics Technology Letters, 2004, 16, 1468-1470.	1.3	3
207	Determination of back-scatter coefficient from third-order Rayleigh effect in a Raman amplifier. IEEE Photonics Technology Letters, 2004, 16, 1459-1461.	1.3	3
208	Comparisons on PMD-Compensation Feedback Methods for Bandwidth-Rich Transmission Formats. IEEE Photonics Technology Letters, 2004, 16, 1597-1599.	1.3	6
209	Closed Integral Form Expansion of Raman Equation for Efficient Gain Optimization Process. IEEE Photonics Technology Letters, 2004, 16, 1649-1651.	1.3	19
210	Erbium-thulium interaction in broadband infrared luminescent silicon-rich silicon oxide. Applied Physics Letters, 2003, 82, 3445-3447.	1.5	31
211	Coefficient determination related to optical gain in erbium-doped silicon-rich silicon oxide waveguide amplifier. Applied Physics Letters, 2002, 81, 3720-3722.	1.5	99
212	Dynamics of cascaded Brillouin-Rayleigh scattering in a distributed fiber Raman amplifier. Optics Letters, 2002, 27, 155.	1.7	70
213	Limitation of PMD compensation due to polarization-dependent loss in high-speed optical transmission links. IEEE Photonics Technology Letters, 2002, 14, 104-106.	1.3	38
214	Study on the gain excursion and tilt compensation for 1.4- and 1.5- μ m dual wavelength pumped TDFA. IEEE Photonics Technology Letters, 2002, 14, 786-788.	1.3	9
215	Analysis on the transient response of 1.55- μ m/1.4- μ m dual-wavelength pumped thulium-doped fiber amplifiers. IEEE Photonics Technology Letters, 2002, 14, 1503-1505.	1.3	13
216	In situ design method for multichannel gain of a distributed Raman amplifier with multiwave OTDR. IEEE Photonics Technology Letters, 2002, 14, 1683-1685.	1.3	13

#	ARTICLE	IF	CITATIONS
217	Bidirectional wavelength add/drop multiplexer using two separate MUX and DEMUX pairs and reflection-type comb filters. Optics Communications, 2002, 205, 321-327.	1.0	6
218	Novel in-service supervisory scheme for the amplified WDM link with modified optical time domain reflectometry. Optical Fiber Technology, 2002, 8, 139-145.	1.4	2
219	Novel in-service supervisory system using OTDR for long-haul WDM transmission link including cascaded in-line EDFAs. IEEE Photonics Technology Letters, 2001, 13, 1136-1138.	1.3	11
220	Flat amplitude equal spacing 798-channel Rayleigh-assisted Brillouin/Raman multiwavelength comb generation in dispersion compensating fiber. IEEE Photonics Technology Letters, 2001, 13, 1352-1354.	1.3	92
221	Polarization-mode-dispersion compensator using a polarization beam splitter and quarter-wave plates. Applied Optics, 2001, 40, 4473.	2.1	5
222	Numerical analysis techniques for wideband amplifiers. , 2001, , .		1
223	Study on the Pumping Wavelength Dependency of S+band Fluoride based Thulium Doped Fiber Amplifiers. , 2001, , .		5
224	Analysis on the Limitation of PMD Compensator in the 10Gbps Transmission System with Polarization Dependent Loss. , 2001, , .		1
225	Constant inversion black box model of EDFA's including the effects of loss mechanisms. , 2001, , .		0
226	Simultaneous measurement of strain and temperature by use of a single fiber Bragg grating written in an erbium:ytterbium-doped fiber. Applied Optics, 2000, 39, 1118.	2.1	57
227	A new family of space/wavelength/time spread three-dimensional optical code for OCDMA networks. Journal of Lightwave Technology, 2000, 18, 502-511.	2.7	80
228	Demonstration of 52-nm gain bandwidth over 2400 km (540 dB loss) with gain-equalized low-noise wide-band EDFA's. IEEE Photonics Technology Letters, 2000, 12, 329-331.	1.3	7
229	Coupled structure for wide-band EDFA with gain and noise figure improvements from C to L-band ASE injection. IEEE Photonics Technology Letters, 2000, 12, 480-482.	1.3	50
230	Wavelength-time spreading optical CDMA system using wavelength multiplexers and mirrored fiber delay lines. IEEE Photonics Technology Letters, 2000, 12, 1278-1280.	1.3	48
231	Link-control gain clamping for a cascaded EDFAs link using differential ASE monitor. IEEE Photonics Technology Letters, 2000, 12, 1334-1336.	1.3	5
232	Analysis on the channel power oscillation in the closed WDM ring network with the channel power equalizer. IEEE Photonics Technology Letters, 2000, 12, 1409-1411.	1.3	20
233	Efficient formulation of Raman amplifier propagation equations with average power analysis. IEEE Photonics Technology Letters, 2000, 12, 1486-1488.	1.3	116
234	Design of new family of two-dimensional wavelength-time spreading codes for optical code division multiple access networks. Electronics Letters, 1999, 35, 830.	0.5	34

#	ARTICLE	IF	CITATIONS
235	Application of the differential ASE power monitoring approach to the cascaded EDFA's link-control gain clamping method. , 1999, , .		0
236	Performance improvement of wideband EDFA by ASE injection from C band to L band amplifier. , 1999, , .		0
237	Enhancement of power conversion efficiency for an L-band EDFA with a secondary pumping effect in the unpumped EDF section. IEEE Photonics Technology Letters, 1999, 11, 42-44.	1.3	98
238	Reference level free multichannel gain equalization and transient gain suppression of EDFA with differential ASE power monitoring. IEEE Photonics Technology Letters, 1999, 11, 316-318.	1.3	12
239	Simultaneous measurement of strain and temperature by use of a single-fiber Bragg grating and an erbium-doped fiber amplifier. Applied Optics, 1999, 38, 2749.	2.1	91
240	Passive erbium-doped fiber seed photon generator for high-power Er ³⁺ -doped fiber fluorescent sources with an 80-nm bandwidth. Optics Letters, 1999, 24, 279.	1.7	26
241	Low noise, high efficiency L-band EDFA with 980nm pumping. Electronics Letters, 1999, 35, 1099.	0.5	48
242	Actively gain-flattened erbium-doped fiber amplifier over 35 nm by using all-fiber acoustooptic tunable filters. IEEE Photonics Technology Letters, 1998, 10, 790-792.	1.3	115
243	Reduction of temperature-dependent multichannel gain distortion using a hybrid erbium-doped fiber cascade. IEEE Photonics Technology Letters, 1998, 10, 1168-1170.	1.3	11
244	Comparative study on temperature-dependent multichannel gain and noise figure distortion for 1.48- and 0.98- μ m pumped EDFAs. IEEE Photonics Technology Letters, 1998, 10, 1721-1723.	1.3	29
245	High-power Er-Yb-doped fiber amplifier with multichannel gain flatness within 0.2 dB over 14 nm. IEEE Photonics Technology Letters, 1996, 8, 1148-1150.	1.3	36
246	24-line multiwavelength operation of erbium-doped fiber-ring laser. IEEE Photonics Technology Letters, 1996, 8, 1459-1461.	1.3	273
247	Dual-stage erbium-doped, erbium/ytterbium-codoped fiber amplifier with up to +26-dBm output power and a 17-nm flat spectrum. Optics Letters, 1996, 21, 1744.	1.7	31
248	<title>Four-wave mixing in semiconductor optical amplifiers: physics and applications</title>. , 1995, , .		2
249	Broadband wavelength conversion with amplification by four-wave mixing in semiconductor travelling-wave amplifiers. Electronics Letters, 1994, 30, 859.	0.5	17
250	Study of interwell carrier transport by terahertz four-wave mixing in an optical amplifier with tensile and compressively strained quantum wells. Applied Physics Letters, 1994, 65, 1897-1899.	1.5	14
251	Efficiency of broadband four-wave mixing wavelength conversion using semiconductor traveling-wave amplifiers. IEEE Photonics Technology Letters, 1994, 6, 50-52.	1.3	131
252	Four-wave mixing wavelength conversion efficiency in semiconductor traveling-wave amplifiers measured to 65 nm of wavelength shift. IEEE Photonics Technology Letters, 1994, 6, 984-987.	1.3	106

#	ARTICLE	IF	CITATIONS
253	High Efficiency, Broadband, Wavelength Conversion by Four-Wave Mixing in Semiconductor Traveling-Wave Amplifiers. , 1994, , .		1
254	Frequency locking of an erbium-doped fiber ring laser to an external fiber Fabryâ€‘Perot resonator. Optics Letters, 1993, 18, 879.	1.7	26
255	Terahertz fourâ€‘wave mixing spectroscopy for study of ultrafast dynamics in a semiconductor optical amplifier. Applied Physics Letters, 1993, 63, 1179-1181.	1.5	84
256	Highly nondegenerate fourâ€‘wave mixing and gain nonlinearity in a strained multipleâ€‘quantumâ€‘well optical amplifier. Applied Physics Letters, 1993, 62, 2301-2303.	1.5	32
257	Reduction of the intensity noise from an erbiumâ€‘doped fiber laser to the standard quantum limit by intracavity spectral filtering. Applied Physics Letters, 1992, 61, 1889-1891.	1.5	25
258	Coâ€‘lasing in an electrically tunable erbiumâ€‘doped fiber laser. Applied Physics Letters, 1992, 60, 3090-3092.	1.5	12
259	Measurements of the intensity noise of a broadly tunable, erbiumâ€‘doped fiber ring laser, relative to the standard quantum limit. Applied Physics Letters, 1992, 60, 2583-2585.	1.5	7
260	Semiconductor lasers and fiber lasers for fiber-optic telecommunications. Fiber and Integrated Optics, 1992, 11, 221-234.	1.7	2
261	Multiple wavelength operation of an erbium-doped fiber laser. IEEE Photonics Technology Letters, 1992, 4, 540-541.	1.3	75
262	An improved delayed self-heterodyne interferometer for linewidth measurements. IEEE Photonics Technology Letters, 1992, 4, 1063-1066.	1.3	68
263	Linewidth and frequency jitter measurement of an erbium-doped fiber ring laser by using a loss-compensated, delayed self-heterodyne interferometer. Optics Letters, 1992, 17, 1274.	1.7	24
264	All fiber, low threshold, widely tunable singleâ€‘frequency, erbiumâ€‘doped fiber ring laser with a tandem fiber Fabryâ€‘Perot filter. Applied Physics Letters, 1991, 59, 2369-2371.	1.5	129
265	Tunable, single-frequency, erbium fiber ring lasers. , 0, , .		13
266	Four-wave mixing in semiconductor traveling-wave amplifiers for efficient, broadband, wavelength conversion up to 65 nm. , 0, , .		0
267	Dynamic gain equalization of erbium-doped fiber amplifier with all-fiber acousto-optic tunable filters. , 0, , .		9
268	Simultaneous measurement of strain and temperature using a single fiber Bragg grating with erbium-doped fiber amplifier. , 0, , .		6
269	Simulation for the effect of cascaded gain-temperature dependence on 40 channel-50 EDFA WDM link under temperature fluctuations. , 0, , .		1
270	Improvement of 1.57-1.61 μ m band amplification efficiency by recycling wasted backward ASE through the unpumped EDF section. , 0, , .		0

#	ARTICLE	IF	CITATIONS
271	Extension of dispersion decreasing fiber-pulse shaping method for the optical time division multiplexing system source applications. , 0, , .		1
272	Simultaneous measurement of strain and temperature using a single fiber Bragg grating written in an erbium:ytterbium-doped fiber. , 0, , .		0
273	Design parameters of dispersion decreasing fiber based OTDM source: quasi-adiabatic higher-order soliton compression from sinusoidal input signal. , 0, , .		2
274	53-line multi-wavelength generation of Brillouin/erbium fiber laser with enhanced Stokes feedback coupling. , 0, , .		7
275	Flat amplitude, 798-channel Raman assisted Brillouin/Rayleigh multi-wavelength comb generator. , 0, , .		0
276	Study on the pumping wavelength dependency of S/sup +/-band fluoride based thulium doped fiber amplifiers. , 0, , .		7
277	Analysis on the limitation of PMD compensator in the 10 Gbps transmission system with polarization dependent loss. , 0, , .		3
278	Performance optimization of distributed Raman amplifier using optical pump time domain reflectometry. , 0, , .		2
279	Second order PMD compensation using correlation factor between degree of polarization and depolarization rate. , 0, , .		1
280	MEMS reflective type variable optical attenuator using off-axis misalignment. , 0, , .		14
281	MEMS fiber-optic variable optical attenuator using collimating lensed fiber. , 0, , .		4
282	Analysis and experimental demonstration of simplex coding technique for snr enhancement of OTDR. , 0, , .		10
283	A wavelength selective switch with flat passband using a free-space grating and MEMS phase-shifters. , 0, , .		3
284	Micromachined fourier transform spectrometer on silicon optical bench platform. , 0, , .		0
285	Wave Delocalization from Clustering in Two-Dimensional Non-Hermitian Disordered Lattices. ACS Photonics, 0, , .	3.2	2
286	Topologically Protected All-Optical Memory. Advanced Electronic Materials, 0, , 2200579.	2.6	3