Jing-Hua Teng

List of Publications by Year in Descending Order

202 papers	7,088 citations	41 h-index	78 g-index
226 ext. papers	8,418 ext. citations	6.7 avg, IF	5.96 L-index

#	Paper	IF	Citations
202	Reply to: Detectivities of WS/HfS heterojunctions.. *Nature Nanotechnology*, **2022**,	28.7	2
201	Interlayer Exciton in Transition Metal Dichalcogenide Semiconductors for 2D Optoelectronics. *Advanced Materials*, **2021**, e2107138	24	4
200	Electrostatically Tunable Near-Infrared Plasmonic Resonances in Solution-Processed Atomically Thin NbSe. *Advanced Materials*, **2021**, 33, e2101950	24	5
199	Printable two-dimensional superconducting monolayers. *Nature Materials*, **2021**, 20, 181-187	27	38
198	Ultra-high extinction-ratio light modulation by electrically tunable metasurface using dual epsilon-near-zero resonances. *Opto-Electronic Advances*, **2021**, 4, 200088-200088	6.5	10
197	Broadband generation of rational-order optical vortices using a bilateral meta-grating. *Journal of Optics (United Kingdom)*, **2021**, 23, 024002	1.7	
196	From colloidal particles to photonic crystals: advances in self-assembly and their emerging applications. *Chemical Society Reviews*, **2021**, 50, 5898-5951	58.5	51
195	The Significance of Metal Coordination in Imidazole-Functionalized Metal-Organic Frameworks for Carbon Dioxide Utilization. *Chemistry - A European Journal*, **2020**, 26, 13606-13610	4.8	2
194	Ultralong light focusing via negative axicon microsphere. *Engineering Research Express*, **2020**, 2, 015044	0.9	6
193	High oscillator strength interlayer excitons in two-dimensional heterostructures for mid-infrared photodetection. *Nature Nanotechnology*, **2020**, 15, 675-682	28.7	56
192	Fano-like chiroptical response in plasmonic heterodimer nanostructures. *Physical Chemistry Chemical Physics*, **2020**, 22, 3604-3610	3.6	3
191	Giant Emission Enhancement of Solid-State Gold Nanoclusters by Surface Engineering. *Angewandte Chemie*, **2020**, 132, 8347-8353	3.6	7
190	Wavelength-tunable focusing via a Fresnel zone microsphere. *Optics Letters*, **2020**, 45, 852-855	3	11
189	Exciton-Enabled Meta-Optics in Two-Dimensional Transition Metal Dichalcogenides. *Nano Letters*, **2020**, 20, 7964-7972	11.5	5
188	Hybrid Plasmonics and Two-Dimensional Materials: Theory and Applications. *Journal of Molecular and Engineering Materials*, **2020**, 08, 2030001	1.3	1
187	Design of narrowband perfect absorber for enhancing photoluminescence in atomically thin WSe2. *Optics Communications*, **2020**, 454, 124443	2	4
186	Giant Emission Enhancement of Solid-State Gold Nanoclusters by Surface Engineering. *Angewandte Chemie - International Edition*, **2020**, 59, 8270-8276	16.4	28

185	A Single-Step Route to Single-Crystal Molybdenum Disulphide (MoS) Monolayer domains. *Scientific Reports*, **2019**, 9, 4142	4.9	2
184	Electrically tunable polarization-insensitive MIM plasmonic metasurface operating in transmission mode. *Journal of Optics (United Kingdom)*, **2019**, 21, 055102	1.7	5
183	Ultraviolet Metasurfaces of ≈80% Efficiency with Antiferromagnetic Resonances for Optical Vectorial Anti-Counterfeiting. *Laser and Photonics Reviews*, **2019**, 13, 1800289	8.3	36
182	Dielectric multi-momentum meta-transformer in the visible. *Nature Communications*, **2019**, 10, 4789	17.4	50
181	Resonance-free ultraviolet metaoptics via photon nanosieves. *Optics Letters*, **2019**, 44, 3418-3421	3	4
180	Induced Optical Chirality and Circularly Polarized Emission from Achiral CdSe/ZnS Quantum Dots via Resonantly Coupling with Plasmonic Chiral Metasurfaces. *Laser and Photonics Reviews*, **2019**, 13, 1800276	8.3	25
179	Tunable plasmonic filter based on graphene-layered waveguide. *Modern Physics Letters B*, **2018**, 32, 1850110	1.1	3
178	Planar Diffractive Lenses: Fundamentals, Functionalities, and Applications. *Advanced Materials*, **2018**, 30, e1704556	24	67
177	Spiniform phase-encoded metagratings entangling arbitrary rational-order orbital angular momentum. *Light: Science and Applications*, **2018**, 7, 17156	16.7	64
176	Design of an ultrasensitive SPR biosensor based on a graphene-MoS hybrid structure with a MgF prism. *Applied Optics*, **2018**, 57, 3639-3644	1.7	19
175	Orbital angular momentum generation via a spiral phase microsphere. *Optics Letters*, **2018**, 43, 34-37	3	26
174	Supercritical focusing coherent anti-Stokes Raman scattering microscopy for high-resolution vibrational imaging. *Optics Letters*, **2018**, 43, 5615-5618	3	5
173	Tunable and reconfigurable metasurfaces and metadevices. *Opto-Electronic Advances*, **2018**, 1, 180009	6.5	195
172	Electrically and Optically Tunable Responses in Graphene/Transition-Metal-Dichalcogenide Heterostructures. *ACS Applied Materials & Interfaces*, **2018**, 10, 44102-44108	9.5	14
171	Electrically and Thermally Tunable Smooth Silicon Metasurfaces for Broadband Terahertz Antireflection. *Advanced Optical Materials*, **2018**, 6, 1800928	8.1	20
170	Few-layer 1T? MoTe 2 as gapless semimetal with thickness dependent carrier transport. *2D Materials*, **2018**, 5, 031010	5.9	5
169	Influence of Plasmonic Effect on the Upconversion Emission Characteristics of NaYF Hexagonal Microrods. *Inorganic Chemistry*, **2018**, 57, 8200-8204	5.1	11
168	A sub-terahertz broadband detector based on a GaN high-electron-mobility transistor with nanoantennas. *Applied Physics Express*, **2017**, 10, 014101	2.4	17

167	Textured V-Pit Green Light Emitting Diode as a Wavelength-Selective Photodetector for Fast Phosphor-Based White Light Modulation. *ACS Photonics*, **2017**, 4, 443-448	6.3	10
166	Reconfigurable optical manipulation by phase change material waveguides. *Nanoscale*, **2017**, 9, 6895-6900	7.7	8
165	Enhancement of responsivity for a transistor terahertz detector by a Fabry-Pérot resonance-cavity. *Applied Physics Letters*, **2017**, 110, 162101	3.4	7
164	Reconfigurable phase-change photomask for grayscale photolithography. *Applied Physics Letters*, **2017**, 110, 201110	3.4	15
163	Enhancing circular dichroism by super chiral hot spots from a chiral metasurface with apexes. *Applied Physics Letters*, **2017**, 110, 221108	3.4	15
162	All-Optical Chirality-Sensitive Sorting via Reversible Lateral Forces in Interference Fields. *ACS Nano*, **2017**, 11, 4292-4300	16.7	69
161	Photon-nanosieve for ultrabroadband and large-angle-of-view holograms. *Laser and Photonics Reviews*, **2017**, 11, 1700025	8.3	28
160	Ultrathin Film Broadband Terahertz Antireflection Coating Based on Impedance Matching Method. *IEEE Journal of Selected Topics in Quantum Electronics*, **2017**, 23, 1-8	3.8	7
159	A Supercritical Lens Optical Label-Free Microscopy: Sub-Diffraction Resolution and Ultra-Long Working Distance. *Advanced Materials*, **2017**, 29, 1602721	24	96
158	Unidirectional generation of surface plasmon polaritons by a single right-angled trapezoid metallic nanoslit. *Journal Physics D: Applied Physics*, **2017**, 50, 045101	3	3
157	Three-dimensional supercritical resolved light-induced magnetic holography. *Science Advances*, **2017**, 3, e1701398	14.3	36
156	Ultrahigh photoconductivity of bandgap-graded CdSxSe1-x nanowires probed by terahertz spectroscopy. *Scientific Reports*, **2016**, 6, 27387	4.9	11
155	Efficient Excitation of Multiple Plasmonic Modes on Three-Dimensional Graphene: An Unexplored Dimension. *ACS Photonics*, **2016**, 3, 1986-1992	6.3	34
154	Silicon multi-meta-holograms for the broadband visible light. *Laser and Photonics Reviews*, **2016**, 10, 500-509	8.9	143
153	Flat Helical Nanosieves. *Advanced Functional Materials*, **2016**, 26, 5255-5262	15.6	48
152	A Novel Chiral Metasurface with Controllable Circular Dichroism Induced by Coupling Localized and Propagating Modes. *Advanced Optical Materials*, **2016**, 4, 883-888	8.1	35
151	Edge plasmons and cut-off behavior of graphene nano-ribbon waveguides. *Optics Communications*, **2016**, 370, 226-230	2	20
150	Modelling of GaN HEMTs as Terahertz Detectors Based on Self-Mixing. *Procedia Engineering*, **2016**, 141, 98-102		7

149	On-chip integrated optofluidic complex refractive index sensing using silicon photonic crystal nanobeam cavities. *Optics Letters*, **2016**, 41, 1197-200	3	40
148	Optically reconfigurable metasurfaces and photonic devices based on phase change materials. *Nature Photonics*, **2016**, 10, 60-65	33.9	652
147	Hybrid bilayer plasmonic metasurface efficiently manipulates visible light. *Science Advances*, **2016**, 2, e1501168	14.3	218
146	Polarization-Independent Multiple Fano Resonances in Plasmonic Nonamers for Multimode-Matching Enhanced Multiband Second-Harmonic Generation. *ACS Nano*, **2016**, 10, 1442-53	16.7	111
145	On-chip discrimination of orbital angular momentum of light with plasmonic nanoslits. *Nanoscale*, **2016**, 8, 2227-33	7.7	54
144	Distortion reduction in strong terahertz signals using broadband attenuators with flat transmittance. *Journal Physics D: Applied Physics*, **2016**, 49, 015501	3	1
143	Visible-Frequency Metasurface for Structuring and Spatially Multiplexing Optical Vortices. *Advanced Materials*, **2016**, 28, 2533-9	24	289
142	Simultaneous coupling of surface plasmon resonance and photonic bandgap to InGaAs quantum well emission. *Journal of Applied Physics*, **2016**, 119, 013104	2.5	1
141	Evanescent vortex: Optical subwavelength spanner. *Applied Physics Letters*, **2016**, 109, 191107	3.4	14
140	Black-wax assisted lift-off and transfer of CVD grown graphene from copper foil substrates to various foreign substrates. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2016**, 34, 021517	2.9	3
139	Highly efficient plasmon excitation in graphene-Bi_2Te_3 heterostructure. *Journal of the Optical Society of America B: Optical Physics*, **2016**, 33, 1842	1.7	14
138	Effects of H 2 /CO blend ratio on radiated power of micro combustor/emitter. *Applied Thermal Engineering*, **2015**, 86, 178-186	5.8	28
137	The development of a wideband and angle-insensitive metamaterial filter with extraordinary infrared transmission for micro-thermophotovoltaics. *Journal of Materials Chemistry C*, **2015**, 3, 3552-3558	7.1	26
136	Ultrahigh-capacity non-periodic photon sieves operating in visible light. *Nature Communications*, **2015**, 6, 7059	17.4	113
135	Sandwich-structured Fe2O3@SiO2@Au nanoparticles with magnetoplasmonic responses. *Journal of Materials Chemistry C*, **2015**, 3, 11645-11652	7.1	12
134	Broadband spin-controlled focusing via logarithmic-spiral nanoslits of varying width. *Laser and Photonics Reviews*, **2015**, 9, 674-681	8.3	15
133	Fast Electrical Modulation in a Plasmonic-Enhanced, V-Pit-Textured, Light-Emitting Diode. *Advanced Optical Materials*, **2015**, 3, 1703-1709	8.1	12
132	Branchlike nano-electrodes for enhanced terahertz emission in photomixers. *Nanotechnology*, **2015** , 26, 255201	3.4	6

131	Optical properties and bonding behaviors of InSbN alloys grown by metal-organic chemical vapor deposition. *Journal of Crystal Growth*, **2015**, 416, 12-16	1.6	10
130	Laser hybrid micro/nano-structuring of Si surfaces in air and its applications for SERS detection. *Scientific Reports*, **2014**, 4, 6657	4.9	31
129	Analysis of entropy generation distribution in micro-combustors with baffles. *International Journal of Hydrogen Energy*, **2014**, 39, 8118-8125	6.7	38
128	Simultaneous enhancement of electron overflow reduction and hole injection promotion by tailoring the last quantum barrier in InGaN/GaN light-emitting diodes. *Applied Physics Letters*, **2014**, 104, 161113	3.4	13
127	Polarization independent broadband terahertz antireflection by deep-subwavelength thin metallic mesh. *Laser and Photonics Reviews*, **2014**, 8, 941-945	8.3	17
126	Twisted Focusing of Optical Vortices with Broadband Flat Spiral Zone Plates. *Advanced Optical Materials*, **2014**, 2, 1193-1198	8.1	40
125	Fractal Holey Metal Microlenses with Significantly Suppressed Side Lobes and High-Order Diffractions in Focusing. *Advanced Optical Materials*, **2014**, 2, 487-492	8.1	10
124	In situ gold-loaded titania photonic crystals with enhanced photocatalytic activity. *Journal of Materials Chemistry A*, **2014**, 2, 545-553	13	68
123	High sensitivity molecule detection by plasmonic nanoantennas with selective binding at electromagnetic hotspots. *Nanoscale*, **2014**, 6, 1416-22	7.7	30
122	Fluid-enabled significant enhancement and active tuning of magnetic resonances in free-standing plasmonic metamaterials. *Nanoscale*, **2014**, 6, 11106-11	7.7	11
121	Atomic layer deposition of a MoS□film. *Nanoscale*, **2014**, 6, 10584-8	7.7	276
120	Enhancement of GaAs/InGaAs quantum well emission by disordered gold nanoparticle arrays. *Applied Physics A: Materials Science and Processing*, **2014**, 115, 487-490	2.6	
119	Dual metamaterial structures generated from an one-step fabrication using stencil lithography. *Applied Physics A: Materials Science and Processing*, **2014**, 116, 907-912	2.6	3
118	Tunable broadband transmission and phase modulation of light through graphene multilayers. *Journal of Applied Physics*, **2014**, 115, 213102	2.5	22
117	Design and fabrication of broadband ultralow reflectivity black Si surfaces by laser micro/nanoprocessing. *Light: Science and Applications*, **2014**, 3, e185-e185	16.7	208
116	Sub-30 nm thick plasmonic films and structures with ultralow loss. *Nanoscale*, **2014**, 6, 3243-9	7.7	4
115	Fabrication of well-ordered binary colloidal crystals with extended size ratios for broadband reflectance. *ACS Applied Materials & Interfaces*, **2014**, 6, 10265-73	9.5	26
114	Optimization-free superoscillatory lens using phase and amplitude masks. *Laser and Photonics Reviews*, **2014**, 8, 152-157	8.3	109

113	Effects of lift-off and strain relaxation on optical properties of InGaN/GaN blue LED grown on 150mm diameter Si (111) substrate. *Journal of Crystal Growth*, **2014**, 402, 155-160	1.6	12
112	ENGINEERING PLASMONIC COLORS IN METAL NANOSTRUCTURES. *Journal of Molecular and Engineering Materials*, **2014**, 02, 1440011	1.3	7
111	GENERATION OF OPTICAL VORTEX BEAMS BY COMPACT STRUCTURES. *Journal of Molecular and Engineering Materials*, **2014**, 02, 1440013	1.3	9
110	Nanoscale smoothing of plasmonic films and structures using gas cluster ion beam irradiation. *Applied Physics A: Materials Science and Processing*, **2014**, 117, 719-723	2.6	9
109	High aspect ratio SiNW arrays with Ag nanoparticles decoration for strong SERS detection. *Nanotechnology*, **2014**, 25, 465707	3.4	28
108	Effect of dielectric cladding on active plasmonic device based on InGaAsP multiple quantum wells. *Optics Express*, **2014**, 22, 25599-607	3.3	5
107	Three-dimensional visible-light capsule enclosing perfect supersized darkness via antiresolution. *Laser and Photonics Reviews*, **2014**, 8, 743-749	8.3	15
106	Manipulating DC currents with bilayer bulk natural materials. *Advanced Materials*, **2014**, 26, 3478-83	24	53
105	Creation of vectorial bottle-hollow beam using radially or azimuthally polarized light. *Optics Letters*, **2014**, 39, 630-3	3	36
104	Effect of SiO2–metal–SiO2 plasmonic structures on InGaAs/GaAs quantum well intermixing. *Applied Physics A: Materials Science and Processing*, **2014**, 117, 517-521	2.6	2
103	Creation of a longitudinally polarized subwavelength hotspot with an ultra-thin planar lens: vectorial Rayleigh–Sommerfeld method. *Laser Physics Letters*, **2013**, 10, 065004	1.5	44
102	Direct and accurate patterning of plasmonic nanostructures with ultrasmall gaps. *Nanoscale*, **2013**, 5, 4309-13	7.7	30
101	Monolayer graphene photonic metastructures: Giant Faraday rotation and nearly perfect transmission. *Physical Review B*, **2013**, 88,	3.3	39
100	Subwavelength superfocusing with a dipole-wave-reciprocal binary zone plate. *Applied Physics Letters*, **2013**, 102, 061103	3.4	10
99	Resonance Switchable Metamaterials Using MEMS Fabrications. *IEEE Journal of Selected Topics in Quantum Electronics*, **2013**, 19, 4700306-4700306	3.8	17
98	Direct Optical Tuning of the Terahertz Plasmonic Response of InSb Subwavelength Gratings. *Advanced Optical Materials*, **2013**, 1, 128-132	8.1	49
97	Plasmonic metal nanostructure array by glancing angle deposition for biosensing application. *Sensors and Actuators B: Chemical*, **2013**, 183, 310-318	8.5	11
96	Optical Magnetic Resonances in Subwavelength Ag–MgF2–Ag Grating Structures. *Plasmonics*, **2013**, 8, 1221-1226	2.4	5

95	In Situ Doping Inverse Silica Opals with Size-Controllable Gold Nanoparticles for Refractive Index Sensing. *Journal of Physical Chemistry C*, **2013**, 117, 9440-9445	3.8	45
94	New approach for multilayered microstructures fabrication based on a water-soluble backing substrate. *ACS Applied Materials & Interfaces*, **2013**, 5, 5898-902	9.5	4
93	Reflective plasmonic color filters based on lithographically patterned silver nanorod arrays. *Nanoscale*, **2013**, 5, 6243-8	7.7	130
92	Effect of rapid thermal annealing on behavior of nitrogen in GaAsN alloys. *Journal of Crystal Growth* , **2013**, 362, 197-201	1.6	9
91	PLASMONIC NANOLITHOGRAPHY: TOWARDS NEXT GENERATION NANOPATTERNING. *Journal of Molecular and Engineering Materials*, **2013**, 01, 1250005	1.3	11
90	Perfect Broadband Terahertz Antireflection by Deep-Subwavelength, Thin, Lamellar Metallic Gratings. *Advanced Optical Materials*, **2013**, 1, 910-914	8.1	12
89	Coupling of surface plasmon with InGaAs/GaAs quantum well emission by gold nanodisk arrays. *Applied Optics*, **2013**, 52, 3698-702	1.7	2
88	Surface plasmon enhanced photoluminescence in gold capped InGaAs quantum well nanodisk array. *Optical Materials Express*, **2013**, 3, 2003	2.6	7
87	Graphene-polymer multilayer heterostructure for terahertz metamaterials **2013**,		4
86	Active near infrared linear polarizer based on VO2 phase transition. *Journal of Applied Physics*, **2013** , 114, 163103	2.5	12
85	An improved convective self-assembly method for the fabrication of binary colloidal crystals and inverse structures. *Journal of Colloid and Interface Science*, **2012**, 380, 42-50	9.3	33
84	Fabrication of large domain crack-free colloidal crystal heterostructures with superposition bandgaps using hydrophobic polystyrene spheres. *ACS Applied Materials & Interfaces*, **2012**, 4, 5562-9	9.5	55
83	Nanoimprinted ultrafine line and space nanogratings for liquid crystal alignment. *Nanotechnology*, **2012**, 23, 465302	3.4	11
82	Magnetic-electric interference in metal-dielectric-metal oligomers: generation of magneto-electric Fano resonance. *Optical Materials Express*, **2012**, 2, 1407	2.6	26
81	Ultrasmooth silver thin film on PEDOT:PSS nucleation layer for extended surface plasmon propagation. *ACS Applied Materials & Interfaces*, **2012**, 4, 1247-53	9.5	50
80	Highly ordered and gap controllable two-dimensional non-close-packed colloidal crystals and plasmonic Photonic crystals with enhanced optical transmission. *Journal of Materials Chemistry*, **2012**, 22, 24668		37
79	An atomic ordering based AlInP unicompositional quantum well grown by MOVPE. *Journal of Crystal Growth*, **2012**, 356, 1-3	1.6	1
78	Optically switchable photonic crystals based on inverse opals partially infiltrated by photoresponsive liquid crystals. *Journal of Materials Chemistry*, **2012**, 22, 7609		28

77	Solution epitaxy of patterned ZnO nanorod arrays by interference lithography. *Progress in Crystal Growth and Characterization of Materials*, **2012**, 58, 135-144	3.5	2
76	Strong coupling of surface plasmon polaritons in monolayer graphene sheet arrays. *Physical Review Letters*, **2012**, 109, 073901	7.4	189
75	Subwavelength-Sized Plasmonic Structures for Wide-Field Optical Microscopic Imaging with Super-Resolution. *Plasmonics*, **2012**, 7, 427-433	2.4	25
74	High aspect subdiffraction-limit photolithography via a silver superlens. *Nano Letters*, **2012**, 12, 1549-54	11.5	65
73	Micromachined switchable metamaterial with dual resonance. *Applied Physics Letters*, **2012**, 101, 151902	3.4	38
72	Enhanced photoelectrochemical performance of bridged ZnO nanorod arrays grown on V-grooved structure. *Nanotechnology*, **2012**, 23, 365704	3.4	6
71	Optical coupling of surface plasmons between graphene sheets. *Applied Physics Letters*, **2012**, 100, 131111	3.4	260
70	High Contrast Superlens Lithography Engineered by Loss Reduction. *Advanced Functional Materials*, **2012**, 22, 3777-3783	15.6	26
69	Light-driven plasmonic color filters by overlaying photoresponsive liquid crystals on gold annular aperture arrays. *Advanced Materials*, **2012**, 24, OP131-5	24	98
68	Broadband terahertz plasmonic response of touching InSb disks. *Advanced Materials*, **2012**, 24, OP226-30	24	46
67	Optically tunable plasmonic color filters. *Applied Physics A: Materials Science and Processing*, **2012**, 107, 49-54	2.6	35
66	Plasmonic Effect Enhancement in Ridge□Trench Structure Assisted by Fluorescence Dye. *Plasmonics*, **2012**, 7, 19-24	2.4	
65	Frequency control of surface plasmons with oscillating metal-insulator-metal waveguides. *Applied Physics A: Materials Science and Processing*, **2012**, 107, 43-48	2.6	4
64	Waveguiding effect in 2D metal□dielectric□metal grating structure. *Applied Physics A: Materials Science and Processing*, **2012**, 107, 127-132	2.6	2
63	Solvent effect on the self-assembly of colloidal microspheres via a horizontal deposition method. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 402, 37-44	5.1	28
62	Azo-dye-doped absorbing photonic crystals with purely imaginary refractive index contrast and all-optically switchable diffraction properties. *Optical Materials Express*, **2012**, 2, 55	2.6	8
61	Metal-assisted photonic mode for ultrasmall bending with long propagation length at visible wavelengths. *Optics Express*, **2012**, 20, 23898-905	3.3	7
60	Ultrathin multi-band planar metamaterial absorber based on standing wave resonances. *Optics Express*, **2012**, 20, 27756-65	3.3	107

59	Radio frequency plasma pre-treatment for selective electroless Ag coating of three dimensional SU-8 microstructures **2012**,		2
58	Polarization dependent state to polarization independent state change in THz metamaterials. *Applied Physics Letters*, **2011**, 99, 221102	3.4	47
57	Self-Assembly of Crack-Free Silica Colloidal Crystals on Patterned Silicon Substrates. *Journal of Physical Chemistry C*, **2011**, 115, 9970-9976	3.8	21
56	OPTICAL METAMATERIALS AND SUPER-RESOLUTION IMAGING. *Cosmos*, **2011**, 07, 43-63		
55	Effect of surface morphology on the optical properties in metal-dielectric-metal thin film systems. *ACS Applied Materials & Interfaces*, **2011**, 3, 1148-53	9.5	35
54	Distortion of terahertz signals due to imperfect synchronization with chirped probe pulses. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2011**, 28, 2049-56	1.8	3
53	Short-range surface plasmon propagation supported by stimulated amplification using electrical injection. *Optics Express*, **2011**, 19, 22107-12	3.3	11
52	Selective electroless silver plating of three dimensional SU-8 microstructures on silicon for metamaterials applications. *Optical Materials Express*, **2011**, 1, 1548	2.6	27
51	Single-material-based multilayered nanostructures fabrication via reverse thermal nanoimprinting. *Microelectronic Engineering*, **2011**, 88, 2946-2950	2.5	9
50	Design and fabrication of subwavelength nanogratings based light-emitting diodes. *Applied Physics A: Materials Science and Processing*, **2011**, 103, 827-830	2.6	3
49	Electrically switchable two-dimensional photonic crystals made of polymer-dispersed liquid crystals based on the Talbot self-imaging effect. *Applied Physics B: Lasers and Optics*, **2011**, 104, 659-663	1.9	10
48	Optical Transmission Enhancement and Tuning by Overlaying Liquid Crystals on a Gold Film with Patterned Nanoholes. *Plasmonics*, **2011**, 6, 659-664	2.4	27
47	A Micromachined Reconfigurable Metamaterial via Reconfiguration of Asymmetric Split-Ring Resonators. *Advanced Functional Materials*, **2011**, 21, 3589-3594	15.6	135
46	Switchable magnetic metamaterials using micromachining processes. *Advanced Materials*, **2011**, 23, 1792-6	24	167
45	Fabrication of TiO2 binary inverse opals without overlayers via the sandwich-vacuum infiltration of precursor. *Langmuir*, **2011**, 27, 5157-64	4	69
44	Bandgap engineering of 1.3μm quantum dot structures for terahertz (THz) emission. *Journal of Crystal Growth*, **2011**, 323, 211-214	1.6	4
43	Inelastic scattering of surface plasmons in oscillating metallic waveguides. *Applied Physics Letters*, **2011**, 98, 263111	3.4	9
42	Annular aperture array based color filter. *Applied Physics Letters*, **2011**, 99, 033105	3.4	84

41	To realize the optimal probe pulse length for detection of pulsed terahertz signal with spectral-encoding technique. *Applied Physics Letters*, **2011**, 98, 231111	3.4	1
40	Subwavelength lithography by waveguide mode interference. *Applied Physics Letters*, **2011**, 99, 151106	3.4	13
39	Photonic crystal structures with ultrahigh aspect ratio in lithium niobate fabricated by focused ion beam milling. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2011**, 29, 021205	1.3	36
38	Distortion analysis of pulsed terahertz signal measured with spectral-encoding technique. *Journal of Applied Physics*, **2010**, 108, 093112	2.5	5
37	Suspended slab and photonic crystal waveguides in lithium niobate. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2010**, 28, 316-320	1.3	33
36	Optical and microstructural properties versus indium content in InxGa1⊠N films grown by metal organic chemical vapor deposition. *Applied Physics Letters*, **2010**, 96, 191909	3.4	16
35	An Ultracompact Directional Coupler Based on GaAs Cross-Slot Waveguide. *IEEE Photonics Technology Letters*, **2010**, 22, 1324-1326	2.2	37
34	Enhanced surface plasmon resonance on a smooth silver film with a seed growth layer. *ACS Nano*, **2010**, 4, 3139-46	16.7	141
33	Deterministic relief dielectric structures to realize phase modulation of surface-plasmon polaritons. *Optics Letters*, **2010**, 35, 4196-8	3	1
32	Photonic band structure of nanoporous anodized aluminum oxide with radius-to-period ratio modulation. *Computational Materials Science*, **2010**, 49, S153-S156	3.2	5
31	Surface plasmon-coupled emission on metallic film coated with dye-doped polymer nanogratings. *Applied Physics Letters*, **2010**, 97, 231117	3.4	21
30	Atomic ordering of AlInP grown by MOVPE using TBP with different V/III ratios in pure ambient N2. *Journal of Crystal Growth*, **2010**, 312, 1505-1509	1.6	3
29	Optimization of hydrothermal growth ZnO Nanorods for enhancement of light extraction from GaN blue LEDs. *Journal of Crystal Growth*, **2010**, 312, 1848-1854	1.6	23
28	Built-in electric field influence on impurity-free vacancy disordering of InGaAs/InP quantum well structure. *Science Bulletin*, **2010**, 55, 1363-1366		
27	A New Method for Lift-off of III-Nitride Semiconductors for Heterogeneous Integration. *Nanoscale Research Letters*, **2010**, 5, 1051-6	5	15
26	Distortion of the intense terahertz signal measured by spectral-encoding technique. *Applied Physics Letters*, **2009**, 94, 221107	3.4	6
25	Linearly polarized light emission from InGaN light emitting diode with subwavelength metallic nanograting. *Applied Physics Letters*, **2009**, 95, 261110	3.4	34
24	Mimicking domino-like photonic nanostructures on butterfly wings. *Small*, **2009**, 5, 574-8	11	42

23	The Near-Diffraction-Limited Operation of Positive Index-Guided Submicrometer-Ridge Laser Arrays. *IEEE Journal of Quantum Electronics*, **2009**, 45, 903-913	2	
22	First-step nucleation growth dependence of InAs/InGaAs/InP quantum dot formation in two-step growth. *Nanotechnology*, **2008**, 19, 085603	3.4	1
21	Nanoepitaxy to improve the efficiency of InGaN light-emitting diodes. *Applied Physics Letters*, **2008**, 92, 243126	3.4	18
20	Cool white III-nitride light emitting diodes based on phosphor-free indium-rich InGaN nanostructures. *Applied Physics Letters*, **2008**, 92, 261909	3.4	37
19	Temperature and injection current dependent electroluminescence study of GaInP/AlGaInP quantum well laser diode grown using tertiarybutylarsine and tertiarybutylphosphine. *Applied Physics A: Materials Science and Processing*, **2008**, 91, 435-439	2.6	3
18	A 1□2 optical switch using one multimode interference region. *Optics Communications*, **2008**, 281, 4616-4618	2	13
17	One-dimensional aligned InAs/InP quantum dots chain growth by metalorganic vapor phase epitaxy for 1.55 □m application. *Journal of Crystal Growth*, **2007**, 305, 45-49	1.6	3
16	Distributed Bragg reflector laser using buried SiO2 grating and self-aligned band gap tuning. *Applied Physics Letters*, **2007**, 90, 171107	3.4	8
15	Lasing in GaN microdisks pivoted on Si. *Applied Physics Letters*, **2006**, 89, 211101	3.4	73
14	Colloidal woodpile structure: three-dimensional photonic crystal with a dual periodicity. *Langmuir*, **2006**, 22, 7001-6	4	15
13	MOCVD growth of 980nm InGaAs/GaAs/AlGaAs graded index separate confinement heterostructure quantum well lasers with tertiarybutylarsine. *Journal of Crystal Growth*, **2006**, 289, 59-62	1.6	3
12	InGaAsP/GaInP/AlGaInP 0.8□m QW lasers grown by MOCVD using TBP and TBAs. *Journal of Crystal Growth*, **2005**, 281, 323-327	1.6	3
11	Simulation of 1.55□m distributed feedback semiconductor laser: investigation of dielectric grating yielding high coupling effect. *Journal of Crystal Growth*, **2004**, 268, 437-443	1.6	2
10	Continuous-wave operation of AlGaInP/GaInP quantum-well lasers grown by metalorganic chemical vapor deposition using tertiarybutylphosphine. *Journal of Applied Physics*, **2004**, 95, 5252-5254	2.5	12
9	High quality AlGaInP epilayers grown by MOCVD using TBP for red lasers. *Journal of Crystal Growth*, **2003**, 253, 161-166	1.6	2
8	650-nm AlGaInP multiple-quantum-well lasers grown by metalorganic chemical vapor deposition using tertiarybutylphosphine. *Applied Physics Letters*, **2003**, 83, 596-598	3.4	10
7	MOCVD growth of GaInNAs/GaAs multiple quantum wells with nitrogen composition fluctuation. *Journal of Crystal Growth*, **2002**, 242, 15-19	1.6	3
6	Controlled group V intermixing in InGaAsP quantum well structures and its application to the fabrication of two section tunable lasers. *Journal of Applied Physics*, **2002**, 92, 4330-4335	2.5	24

5	Impurity-free intermixing in compressively strained InGaAsP multiple quantum well structures. *Materials Science in Semiconductor Processing*, **2001**, 4, 621-624	4.3	4
4	Multi-wavelength lasers fabricated by an Al layer controlled quantum well intermixing technology. *Journal of Applied Physics*, **2000**, 88, 3458-3462	2.5	7
3	Control of the band-gap shift in quantum-well intermixing using a germanium interlayer. *Applied Physics Letters*, **2000**, 76, 1582-1584	3.4	7
2	Dual-wavelength laser source monolithically integrated with Y-junction coupler and isolator using quantum-well intermixing. *IEEE Photonics Technology Letters*, **2000**, 12, 1310-1312	2.2	11
1	Controllable Polarization-Insensitive and Large-Angle Beam Switching with Phase-Change Metasurfaces. *Advanced Optical Materials*,2101847	8.1	0