

梁興弛助理教授著作目錄(近 5 年)

出版年月	著作類別	著作名稱	作者	收錄出處
2016-11	期刊論文	Exploiting concave-convex linear resonators to design end-pumped solid-state lasers with flexible cavity lengths: Application for exploring the self-mode-locked operation	P. H. Tuan, C. C. Chang, C. Y. Lee, C. Y. Cho, H. C. Liang, Y. F. Chen	OPTICS EXPRESS
2016-10	期刊論文	Exploring vortex structures in orbital-angular-momentum beams generated from planar geometric modes with a mode converter	J. C. Tung, H.C. Liang, T. H. Lu, K. F. Huang, Y. F. Chen	OPTICS EXPRESS
2016-09	期刊論文	Synchronized self-mode-locked 1061-nm and 1064-nm monolithic Nd:YAG laser at cryogenic temperatures with two orthogonally polarized emissions: generation of 670 GHz beating	T. L. Huang, C. L. Sung, H. P. Cheng, C. Y. Cho, H. C. Liang, K. W. Su, K. F. Huang, Y. F. Chen	OPTICS EXPRESS
2016-08	期刊論文	Fractal frequency spectrum in laser resonators and three-dimensional geometric topology of optical coherent waves	J. C. Tung, P. H. Tuan, H. C. Liang, Y. F. Chen	PHYSICAL REVIEW A
2016-06	期刊論文	Observation of reflection feedback induced the formation of bright-dark pulse pairs in an optically pumped semiconductor laser	C. H. Tsou, H. C. Liang, K. F. Huang, Y. F. Chen	OPTICS EXPRESS
2016-04	期刊論文	Exploring transverse pattern formation in a dual-polarization self-mode-locked monolithic Yb: KGW laser and generating a 25-GHz sub-picosecond vortex	M. T. Chang, H. C. Liang, K. W. Su, Y. F. Chen	OPTICS EXPRESS

		beam via gain competition		
2016-04	期刊論文	Generation of orthogonally polarized self-mode-locked Nd:YAG lasers with tunable beat frequencies from the thermally induced birefringence	C. L. Sung, H. P. Cheng, C. Y. Lee, C. Y. Cho, H. C. Liang, Y. F. Chen	OPTICS LETTERS
2016-01	期刊論文	Selective pumping and spatial hole burning for generation of photon wave packets with ray-wave duality in solid-state lasers	J C Tung, H C Liang, P H Tuan, F L Chang, K F Huang, T H Lu, Y F Chen	LASER PHYSICS LETTERS
2015-11	期刊論文	High-peak-power optically-pumped AlGaInAs eye-safe laser with a silicon wafer as an output coupler: comparison between the stack cavity and the separate cavity	C. P. Wen, P. H. Tuan, H. C. Liang, C. H. Tsou, K. W. Su, K. F. Huang, and Y. F. Chen	OPTICS EXPRESS
2015-09	期刊論文	Efficient dual-wavelength diode-end-pumped laser with a diffusion-bonded Nd:YVO4/Nd:GdVO4 crystal	Y. J. Huang, H. H. Cho, Y. S. Tzeng, H. C. Liang, K. W. Su, and Y. F. Chen	OPTICS EXPRESS
2015-09	期刊論文	Resolving the formation of modern Chladni figures	P. H. Tuan, J. C. Tung, H. C. Liang, P. Y. Chiang, K. F. Huang, and Y. F. Chen	Europhysics Letters
2015-06	期刊論文	Exploring the influence of high order transverse modes on the temporal dynamics in an optically pumped mode-locked semiconductor disk laser	C. H. Tsou, H. C. Liang, C. P. Wen, K. W. Su, K. F. Huang, and Y. F. Chen	OPTICS EXPRESS
2015-04	期刊論文	Dual-comb self-mode-locked monolithic Yb:KGW laser with orthogonal polarizations	M. T. Chang, H. C. Liang, K. W. Su, and Y. F. Chen, "Dual-comb self-mode-locked monolithic Yb:KGW	OPTICS EXPRESS

			laser with orthogonal polarizations	
2015-04	期刊論文	Exploring the resonant vibration of thin plates: Reconstruction of Chladni patterns and determination of resonant wave numbers	P. H. Tuan, C. P. Wen, Y. T. Yu, P. Y. Chiang, H. C. Liang, K. F. Huang, and Y. F. Chen	Journal of the Acoustical Society of America
2015-01	期刊論文	Generation of sub-terahertz repetition rates from a monolithic self-mode-locked laser coupled with an external Fabry-Perot cavity	Y. F. Chen, M. T. Chang, W. Z. Zhuang, K. W. Su, K. F. Huang, and H. C. Liang	Laser & Photonics Reviews
2014-10	期刊論文	Power scale-up and propagation evolution of structured laser beams concentrated on 3D Lissajous parametric surfaces	J. C. Tung, H. C. Liang, Y. C. Lin, K. W. Su, K. F. Huang, and Y. F. Chen	LASER PHYSICS LETTERS
2014-09	期刊論文	Observation of self-mode-locking assisted by high-order transverse modes in optically pumped semiconductor lasers	H. C. Liang, C. H. Tsou, Y. C. Lee, K. F. Huang, and Y. F. Chen	LASER PHYSICS LETTERS
2014-08	期刊論文	Compact high-peak-power end-pumped AlGaInAs eye-safe laser with a heat-spreader diamond coated as a cavity mirror	C. P. Wen, P. H. Tuan, H. C. Liang, K. F. Huang, and Y. F. Chen	IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS
2014-05	期刊論文	Frequency comb expansion in a monolithic self-mode-locked laser concurrent with stimulated Raman scattering	C. Y. Lee, C. C. Chang, H. C. Liang, and Y. F. Chen	Laser & Photonics Reviews
2014-03	期刊論文	A high-power harmonically self-mode-locked Nd:YVO ₄ 1.34-um laser with repetition rate up to 32.1 GHz	T. W. Wu, C. H. Tsou, C. Y. Tang, H. C. Liang, and Y. F. Chen	Laser Physics
2014-02	期	Exploring the distinction between	P. H. Tuan, C. P. Wen,	PHYSICAL

	刊 論 文	experimental resonant modes and theoretical eigenmodes: From vibrating plates to laser cavities	Y. T. Yu, H. C. Liang, K. F. Huang, and Y. F. Chen	REVIEW E
2014-02	期 刊 論 文	Precise measurement of the thermo-optical coefficients of various Nd-doped vanadates with an intracavity self-mode-locked scheme	J. C. Tung, T. Y. Wu, H. C. Liang, and Y. F. Chen	Laser Physics
2014-	期 刊 論 文	Efficient high-power terahertz beating in a dual-wavelength synchronously mode-locked laser with dual gain media	Y. J. Huang, Y. S. Tzeng, C. Y. Tang, S. Y. Chiang, H. C. Liang, and Y. F. Chen	OPTICS LETTERS
2013-09	期 刊 論 文	Generation of pseudonondiffracting optical beams with superlattice structures	C. H. Tsou, T. W. Wu, J. C. Tung, H. C. Liang, P. H. Tuan,35. C. H. Tsou, T. W. Wu, J. C. Tung, H. C. Liang, P. H. Tuan, and Y. F. Chen and Y. F. Chen	OPTICS EXPRESS
2013-09	期 刊 論 文	Total self-mode locking of multi-pass geometric modes in diode-pumped Nd:YVO4 lasers	H. C. Liang, T. W. Wu, J. C. Tung, C. H. Tsou, K. F. Huang, and Y. F. Chen	Laser Physics Letters
2013-07	期 刊 論 文	Exploring the effect of fractional degeneracy and the emergence of ray-wave duality in solid-state lasers with off-axis pumping	Y. F. Chen, J. C. Tung, P. Y. Chiang, H. C. Liang, and K. F. Huang	Physical Review A - Atomic, Molecular, and Optical Physics
2013-07	期 刊 論 文	High-power high-repetition-rate subpicosecond monolithic Yb:KGW laser with self-mode locking	W. Z. Zhuang, M. T. Chang, H. C. Liang, and Y. F. Chen	Optics Letters
2013-01	期 刊	Observation of disordered wave functions with conical	Y. C. Lin, P. H. Tuan, Y. T. Yu, H. C. Liang, K.	Physical Review B

	論 文	second-harmonic generation and verification of transition from extended to prelocalized states in weak localization	W. Su, K. F. Huang, and Y. F. Chen	
2012-11	期 刊 論 文	Exploring spatio-temporal dynamics of an optically pumped semiconductor laser with intracavity second harmonic generation	H. C. Liang, Y. C. Lee, J. C. Tung, K. W. Su, K. F. Huang, and Y. F. Chen	Optics Letters
2012-11	期 刊 論 文	High-power subpicosecond harmonically mode-locked Yb:YAG laser with pulse repetition rate up to 240 GHz	Y. F. Chen, W. Z. Zhuang, H. C. Liang, G. W. Huang, and K. W. Su	Laser Physics Letters
2012-09	期 刊 論 文	Flexible generation of optical beams with quasicrystalline structures via astigmatism induced by a tilted lens	J. C. Tung, H. C. Liang, C. H. Tsou, K. W. Su, and Y. F. Chen	Applied Physics B: Lasers and Optics
2012-07	期 刊 論 文	Formation and recurrence of quasicrystalline patterns from quantum dynamics of suddenly released matter waves Analogous manifestation of optical waves	H. C. Liang, J. C. Tung, T. W. Wu, C. H. Tsou, Y. C. Lin, and Y. F. Chen	EPL
2012-04	期 刊 論 文	Generation of large orbital angular momentum from superposed Bessel beams corresponding to resonant geometric modes	Y. F. Chen, Y. C. Lin, W. Z. Zhuang, H. C. Liang, K. W. Su, and K. F. Huang	Physical Review A - Atomic, Molecular, and Optical Physics
2012-02	期 刊 論 文	Level statistics and eigenfunctions of square torus billiards: Manifesting the transition from regular to chaotic behaviors	P. H. Tuan, Y. T. Yu, P. Y. Chiang, H. C. Liang, K. F. Huang, and Y. F. Chen	Physical Review E - Statistical, Nonlinear, and Soft Matter Physics
2012-02	期 刊 論	Spontaneous subpicosecond pulse formation with pulse repetition rate of 80 GHz in a diode-pumped	Y. F. Chen, H. C. Liang, J. C. Tung, K. W. Su, Y. Y. Zhang, H. J. Zhang,	Optics Letters

	文	Nd:SrGdGa ₃ O ₇ disordered crystal laser	H. H. Yu, and J. Y. Wang	
2011-12	期刊論文	Femtosecond high-power spontaneous mode-locked operation in vertical-external cavity surface-emitting laser with gigahertz oscillation	Y. F. Chen, Y. C. Lee, H. C. Liang, K. Y. Lin, K. W. Su, and K. F. Huang	Optics Letters
2011-11	期刊論文	High-power passively Q-switched Nd:YVO ₄ UV laser at 355 nm	Y. J. Huang, Y. P. Huang, P. Y. Chiang, H. C. Liang, K. W. Su, and Y. F. Chen	Applied Physics B: Lasers and Optics
2011-11	期刊論文	Wave pattern and weak localization of chaotic versus scarred modes in stadium-shaped surface-emitting lasers	Y. T. Yu, P. H. Tuan, P. Y. Chiang, H. C. Liang,	Physical Review E - Statistical, Nonlinear, and Soft Matter Physics
2011-09	期刊論文	Efficient high-power UV laser generated by an optimized flat-flat actively Q-switched laser with extra-cavity harmonic generations	Y. J. Huang, P. Y. Chiang, H. C. Liang, K. W. Su, and Y. F. Chen	Optics Communications
2011-09	期刊論文	Precise measurement of group refractive indices and temperature dependence of refractive index for Nd-doped yttrium orthovanadate by intracavity spontaneous mode locking	H. C. Liang, K. Y. Lin, Y. C. Lee, and Y. F. Chen	Optics Letters
2011-06	期刊論文	Controlling number of lasing modes for designing short-cavity self-mode-locked Nd-doped vanadate lasers	Y. F. Chen, Y. J. Huang, P. Y. Chiang, Y. C. Lin, and H. C. Liang	Appl. Phys. B
2011-06	期刊論文	Highly efficient Nd:Gd _{0.6} Y _{0.4} VO ₄ laser by direct in-band pumping at 914 nm and observation of	H. C. Liang, Y. J. Huang, P. Y. Chiang, and Y. F. Chen	Appl. Phys. B

	文	self-mode-locked operation		
2011-05	期刊論文	Generation of optical crystals and quasicrystal beams Kaleidoscopic patterns and phase singularity	Y. F. Chen,* H. C. Liang, Y. C. Lin, Y. S. Tzeng, K. W. Su, and K. F. Huang	PHYSICAL REVIEW A
2011-05	期刊論文	Generation of optical crystals and quasicrystal beams: Kaleidoscopic patterns and phase singularity	Y. F. Chen, H. C. Liang, Y. C. Lin, Y. S. Tzeng, K. W. Su, Y. F. Chen, and K. F. Huang	Physical Review A - Atomic, Molecular, and Optical Physics
2011-04	期刊論文	High-power Q-switched laser with high-order Laguerre-Gaussian modes: application for extra-cavity harmonic generation	Y. J Huang, P. Y. Chiang, H. C. Liang, K. W. Su, and Y. F. Chen	Applied Physics B: Lasers and Optics
2011-04	期刊論文	High-power Q-switched laser with high-order Laguerre-Gaussian modes: application for extra-cavity harmonic generation	Y. J Huang, P. Y. Chiang, H. C. Liang, K. W. Su, and Y. F. Chen	Appl. Phys. B
2011-03	期刊論文	Simultaneous self-mode-locked of TEM _{0,0} and TEM _{1,0} modes in a Nd:YVO ₄ laser: application for measuring the thermal focal length	H. C. Liang, P. Y. Chiang, Y. J. Huang, Y. C. Lin, and Y. F. Chen	Laser Physics
2011-01	期刊論文	Manifestation of quantum-billiard eigenvalues statistics from subthreshold emission of vertical-cavity surface-emitting lasers	Y. F. Chen, Y. T. Yu, P. Y. Chiang, P. H. Tuan, Y. J. Huang, H. C. Liang, and K. F. Huang	PHYSICAL REVIEW E
2010-04	期刊論文	Comparative study between conventional and diffusion-bonded Nd-doped vavadate crystal in the passively mode-locked operation	Y. J. Huang, Y. P. Chiang, H. C. Liang, K. W. Su, Y. F. Chen, and K. F. Huang	OPTICS EXPRESS