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在研项目: 基于掺稀土电光陶瓷增益介质的新型激光器与放大器的研究

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论著成果:

1. J. W. Zhang, H. Sun, H. Zhao, Y. K. Zou, K. K. Li, and H. Jiang, "Dual Functional Optical Amplifier with Electrooptic Gain Medium of Er³⁺ Doped PLZT Ceramics", Accepted as an oral presentation (大会报告) at CLEO/IQEC'11 in Baltimore, Maryland, USA, May 1-May 6, 2011
2. H. Zhao, L. Xu, J. W. Zhang, Y. K. Zou, K. K. Li, X. Guo, H. Jiang, X. Chen and P. Huang, "Upconversion with Ho³⁺ and Tm³⁺ Codoped Lead Lanthanum Zirconate Titanate Ceramics", Accepted as a poster presentation (张贴报告) at CLEO/IQEC'11 in Baltimore, Maryland, USA, May 1-May 6, 2011
3. H. Zhao, X. Sun, J. W. Zhang, Y. K. Zou, K. K. Li, Y. Wang, H. Jiang, P.L. Huang, and X. Chen, "Lasing action and optical amplification in Nd³⁺ doped electrooptic lanthanum lead zirconate titanate ceramics", Opt. Ex., 14, 2965-2971 (2011)
4. J. W. Zhang, H. Zhao, X. Sun, "Broadband Coverage Optical Sensor with

- Liquid Crystalline Materials and Pyroelectrics.", Oral presentation of MRS 2010 fall meeting, Boston, Massachusetts, USA, Nov. 30-Dec.4, 2010. 2010 MRS Fall Meeting proceedings, MRS Online Proceedings Library, part of Cambridge Journals Online as of January 2011.
5. C. Yuan, Z. Zhou, J. Zhang, X. Xiang, H. Sun, H. Wang and Y. Du, "Propagation of terahertz waves in an atmospheric pressure microplasma with Epstein electron density profile", J. Appl. Phys., Accepted for publication.
 6. J. Gu, R. Singh, Z. Tian, W. Cao, Q. Xing, M. He, J. W. Zhang, J. Han, H. Chen, and W. Zhang, "Terahertz superconductor metamaterial", Appl. Phys. Lett., 97, 071102, (2010)
 7. J. W. Zhang, X. Guo, L. Fan, Y. K. Zou, and J. Craley "Night Vision Enhancement Technology with Pyroelectric Field Driven Liquid Crystal Display", CFK7, Oral presentation at CLEO/IQEC'09 in Baltimore, Maryland, USA, May 31-June 5, 2009.
 8. J. W. Zhang, Y. K. Zou, K. K. Li, Q. Chen, H. Jiang, X. Chen and P. Huang, "Laser Action with Nd³⁺ Doped Electrooptic Lead Lanthanum Zirconate Titanate Ceramics", CTuFF3, Oral presentation at CLEO/IQEC'09, Baltimore, Maryland, USA, May 31-June 5, 2009
 9. J. W. Zhang, K. K. Li, H. Zhao, Y. K. Zou, B. Di Bartolo, and X. Chen, "Wavelength translation based on photoinduced broadband absorption in Nd³⁺ doped lanthanum lead zirconate titanate ceramics", Opt. Lett. 34, 1570-1572 (2009)
 10. J. Zhang, Y. Zou, Q. Chen, R. Zhang, K. Li, H. Jiang, P. Huang, and X. Chen, "Optical amplification in Nd³⁺ doped electro-optic lanthanum lead zirconate titanate ceramics", Appl. Phys. Lett. 89, 061113 (2006)
 11. J. Zhang, V. Ostroverkhov, K. D. Singer, V. Reshetnyak, Yu. Reznikov, "Electrically controlled surface diffraction gratings in nematic liquid crystals", Opt. Lett. 25, (6), 414-416 (2000)
 12. J. Zhang, and K. D. Singer, "Homogeneous photorefractive polymer/nematogen composite", Appl. Phys. Lett. 72, (23), 2948-2950 (1998)
 13. J. Zhang, H. Liu, and W. Jia, "Investigation into self-pumped and mutually pumped phase conjugation with beams entering the negative c face of doped (K_{0.5}Na_{0.5})_{0.2}(Sr_{0.75}Ba_{0.25})_{0.9}Nb₂O₆ Crystals", Appl. Opt. Vol. 36, No. 16, 3753-3761 (1997)
 14. J. Zhang, X. Lu, L. Zhang, Z. Shao, H. Chen, and M. Jiang, "Self-reading geometry conjugators with copper-doped photorefractive (K_{0.5}Na_{0.5})_{0.2}(Sr_{0.75}Ba_{0.25})_{0.9}Nb₂O₆ crystals and their applications", Opt. Eng. Vol. 35, No. 1, 294-303 (1996)
 15. J. Zhang, H. Liu, and W. Jia, "The influence of the internal photo-induced field on the formation of self-pumped phase conjugation with doped (K_{0.5}Na_{0.5})_{0.2}(Sr_{0.75}Ba_{0.25})_{0.9} Nb₂O₆ crystals", Appl. Opt. Vol. 35, No. 31, 6241-6248 (1996)
 16. J. Zhang, X. Lu, L. Zhang, X. Mu, Q. Jiang, Z. Shao, H. Chen, and M. Jiang,

- “Conjugation fidelity and multiple reflection waves in self-pumped phase conjugators with doped $(K_{0.5}Na_{0.5})_{0.2}(Sr_{0.75}Ba_{0.25})_{0.9}Nb_2O_6$ crystals”, *Opt. Commun.*, Vol. 132, 574-582 (1996)
17. J. Zhang, L. Zhang, Z. Shao, X. Mu, Q. Jiang, H. Chen, and M. Jiang, “Observation of multi-reflections from cat self-pumped phase conjugators with Cu-doped $(K_{0.5}Na_{0.5})_{0.2}(Sr_{0.75}Ba_{0.25})_{0.9}Nb_2O_6$ crystals”, *Opt. Lett.* Vol. 20, No. 11, 979-981 (1995)
 18. J. Zhang, L. Zhang, X. Mu, Z. Shao, H. Chen, and M. Jiang, “Enhancement of the response rate of internal reflection self-pumped phase conjugators with Ce- and Mn-doped $(K_{0.5}Na_{0.5})_{0.2}(Sr_{0.75}Ba_{0.25})_{0.9}Nb_2O_6$ crystals using intermittent light”, *Appl. Phys. Lett.* Vol. 67, No. 1, 10-12 (1995)
 19. J. Zhang, W. Sun, H. Zhao, S. Bian, K. Xu, M. Li, Y. Xu, “Enhancement of exponential gain coefficient as a result of light fanning effect in thin doped $LiNbO_3$ crystals”, *Opt. Lett.* Vol. 18, No. 17, 1391-1393 (1993)
 20. J. Zhang, Haiying Xu, Hongbin Pu, Yang Yuan, Kebin Xu, and Q. Jiang, “Real-time double-exposure interferometry using self-pumped phase conjugator with Cu:KNSBN”, *Opt. Commun.* Vol. 87, No. 5/6, 263-266 (1992)
 21. J. Zhang, H. Xu, Y. Yuan, and K. Xu, “Real-time coherent image differentiation using a self-pumped phase conjugator with Cu:KNSBN”, *Appl. Opt.* Vol. 32, No. 8, 1470-1472 (1993)
 22. J. Zhang, L. Zhang, X. Mu, Z. Shao, H. Chen, and M. Jiang, “Enhancement/reduction of response rate of CAT self-pumped phase conjugators with doped $(K_{0.5}Na_{0.5})_{0.2}(Sr_{0.75}Ba_{0.25})_{0.9}Nb_2O_6$ crystals”, in *Digest of CLEO/Pacific Rim'95*, p13-14, July 10-14, 1995, Chiba, Tokyo, Japan, as an oral presentation
 23. J. Zhang, H. Zhao, W. Sun, S. Bian, and K. Xu, “Very high photorefractive gain in two-beam coupling with thin iron-doped $LiNbO_3$ crystal”, *Chin. Phys. Lett.* Vol. 10, No. 4, 227-231 (1993)
 24. J. Zhang, H. Zhao, et al “Multi-functional real-time optical processor with a self-pumped phase conjugator of Cu:KNSBN”, *Chinese Journal of Lasers*, Vol. B2, No. 6, 557-564 (1993)
 25. J. Zhang, et al, “Optical associative memory with "cat" self-pumped phase conjugator”, *ACTA OPTICA SINICA*, Vol. 14, No. 4 421-424 (1994)
 26. J. Zhang, et al. “Three-wave mixing at 1.06 μ m with a semi-insulating GaAs:Cr crystal”, *J. Infrared Millim. Waves*, Vol. 13, No. 3, 181-185 (1994)
 27. S. Bian, J. Zhang, et al “Self-pumped phase conjugation of 18 μ m cut Ce-doped

- KNSBN crystal at 632.8nm", *Opt. Lett.* Vol. 18, No. 10, 769-771 (1993)
28. L. Zhang, J. Zhang, et al. "Demonstration of the formation of four-wave mixing interaction regions in a high-efficiency mutually pumped phase conjugator", *Appl. Phys. Lett.* Vol. 68, No. 10, 1311-1313 (1996)
 29. L. Zhang, J. Zhang, et al. "Conjugation fidelity and bistability in high-efficiency, mutually-pumped phase conjugator with the ring channels", *Opt. Lett.* Vol. 20, No. 7, 1456-1458 (1995)
 30. L. Zhang, J. Zhang, et al. "Coherent mutually pumped phase conjugation induced with high-efficiency by self-pumped phase conjugate reflection", *Chin. Phys. Lett.* Vol. 12, No. 9, 533-536 (1995)
 31. L. Zhang, J. Zhang, et al. "Origin of self-pumped phase conjugation with a beam incident upon the negative c face of copper-doped KNSBN", *Chinese Physics Letters*, Vol. 13, No. 7, 523-526 (1996)
 32. L. Zhang, J. Zhang, et al. "Mutually pumped phase conjugator: two-arches configuration", *Chinese Physics Letters*, Vol. 14, No. 1, 36-39 (1997)
 33. L. Zhang, J. Zhang, et al. "Mutually pumped phase conjugation of three incoherent beams with a novel photorefractive crystal" ", *Chinese Journal of Lasers*, Vol. B5, No. 3, 235 (1996)
 34. X. Sun, J. Zhang, et al. "Mechanism for phase conjugation reflections of two mutually coherent beams from KNSBN:Cu crystals", *Chinese Journal of Lasers*, Vol. B5, No. 5, (1996)
 35. S. Bian, J. Zhang, et al. "Anisotropic diffraction in doped KNSBN photorefractive crystals", *ACTA PHYSICA SINICA*, Vol. 42, No. 4, 681-690 (1993)
 36. H. Zhao, J. Zhang, et al. "Broadening of the angle response range with high gain in doped LiNbO₃ crystals", *Chinese Science Bulletin*, Vol. 39, No. 10, 885-887 (1994)
 37. K. Xu, J. Zhang, et al. "Real-time optical associative memory techniques and devices", *ACTA PHOTONICA SINICA*, Vol. 21, No. 5, 73-80 (1992)
 38. H. Zhao, J. Zhang, et al. "Beam coupling based on light crawling and improvement of imaging quality in thin doped LiNbO₃ crystals", *ACTA OPTICA SINICA*, Vol. 15, No.2, 235-238 (1995)
 39. K. Xu, J. Zhang, et al. "Realization of holographic neural network model", *High Technology Letters*, Vol. 1, No. 11, 4-10 (1991)
 40. X. Mu, Z. Shao, J. Zhang et al. "Study of self-built optical path production in Ce-doped BaTiO₃ stimulated photorefractive scattering self-pumped phase conjugator", *Appl. Phys. Lett.* Vol. 67, No. 16, 2275-2277 (1995)

41. L. Zhang, Z. Shao, J. Zhang et al. "Mutually pumped phase conjugator: sickle configuration" Chinese Physics Letters, Vol. 13, No. 9, 678-681 (1996)
42. L. Zhang, Z. Shao, J. Zhang et al. "Threshold behaviour and phase conjugation in a mutually pumped phase conjugator", J. Phys. D: Appl. Phys. Vol. 29, 2389 (1996)
43. H. Xu, Y. Yuan, J. Zhang et al. "Implementation of holographic associative memory with dynamic thresholding device", Opt. Commun. Vol. 92, No. 4,5,6, 326-336 (1992)
44. L. Zhang, Z. Shao, J. Zhang et al. "Sickle mutually pumped phase-conjugate mirror: Theoretical and experimental demonstration", Japanese Journal of Applied Physics Part 1-Regular Papers Short Notes & Review Papers", Vol. 36, No. 5A, 2661-2665 (1997)
45. H. Zhao, W. Sun, J. Zhang, et al. "Real-time image reversion and real-time high- and low-pass filtering", ACTA OPTICA SINICA, Vol. 15, No. 6, 734-737 (1995)
46. H. Zhang, C. Xu, J. Zhang, et al. "Effective carrier density in photorefractive LiNbO₃ crystals", Chinese Journal of Lasers, Vol. A21, No. 7, 567-571 (1994)
47. "A novel internal linear cavity stimulated photorefractive scattering self-pumped phase conjugator", Opt. Commun. Vol. 136, 283-287 (1997)