

<Journal Paper>

1. Z. Li, Z. Jia, C. Yao, Z. Zhao, N. Li, M. Hu, Y. Ohishi, W. Qin and G. Qin, "22.7 W mid-infrared supercontinuum generation in fluorotellurite fibers", Optics Letters, Vol. 45, No. 7, pp. 1882-1885, April 2020. Doi: 10.1364/OL.383642
2. X. Luo, T. H. Tuan, T. Suzuki, and Y. Ohishi, "Intracavity supercontinuum generation in mode-locked erbium-doped fiber laser based on the Mamyshev mechanism with highly nonlinear fiber", Optics Letters, Vol. 45, No. 9, pp. 2530-2533, May 2020. Doi: 10.1364/OL.389779.
3. T. S. Saini, T. H. Tuan, M. Matsumoto, G. Sakai, T. Suzuki, Y. Ohishi, "Mid-infrared wavelength conversion using dispersion-engineered As_2S_5 microstructured optical fiber pumped with an ultrafast laser at $2 \mu\text{m}$ ", Optics Letters, Vol. 45, No. 10, pp. 2736-2739, May 2020. Doi: 10.1364/OL.392149.
4. X. Luo, T. H. Tuan, H. P. T. Nguyen, T. Suzuki, and Y. Ohishi, "Flat supercontinuum generation in tellurite fiber pumped in deep normal dispersion region". IEEE Photonics Technology Letters, Vol. 32, No. 12, pp. 718-721, June 2020. Doi: 10.1109/LPT.2020.2992205
5. T. Cheng, F. Zhang, X. Yan, X. Zhang, F. Wang, S. Li, T. Suzuki, and Y. Ohishi, "Experimental investigation of dispersive wave generation and evolution in a tellurite microstructured optical fiber", Journal of Applied Physics, Vol. 127, No. 20, pp. 203102-1-9, May 2020. Doi: 10.1063/5.0005251.
6. H. P. T. Nguyen, T. H. Tuan, L. Xing, M. Matsumoto, G. Sakai, T. Suzuki, and Y. Ohishi, "Supercontinuum generation in a chalcogenide all-solid hybrid microstructured optical fiber", Optics Express, Vol. 28, No. 12, pp. 17539-17555, June 2020. Doi: 10.1364/OE.394968.
7. T. Cheng, X. Zhou, Y. Sun, X. Yan, X. Zhang, F. Wang, S. Li, T. Suzuki, and Y. Ohishi, "Supercontinuum-induced multi-wavelength third-harmonic generation in a suspended-core microstructured optical fiber", Optics Express, Vol. 28, No. 20, pp. 28750-28761, September 2020. Doi: 10.1364/OE.400371.
8. T. Cheng, F. Zhang, S. Li, X. Yan, F. Wang, X. Zhang, T. Suzuki, and Y. Ohishi, "Experimental investigation of polarization modulation instability in a double-clad single-mode tellurite optical fiber", Applied Physics B, Vol. 126, No. 11, #180, October 2020. Doi: 10.1007/s00340-020-07531-3
9. F. Zhang, S. Li, X. Yan, X. Zhang, F. Wang, T. Suzuki, Y. Ohishi, and T. Cheng, "A Refractive Index Sensitive Liquid Level Monitoring Sensor Based on Multimode Interference", Photonics, Vol. 7, No. 4, #89, October 2020. Doi: 10.3390/photonics7040089
10. T. Cheng, Q. Wang, X. Yan, F. Wang, X. Zhang, S. Li, T. Suzuki, and Y. Ohishi, "Experimental investigation of the polarization modulation instability and stimulated Raman scattering in a chalcogenide optical fiber", Journal of Applied Physics, Vol. 128, pp. 193103-1-7, November 2020. Doi: 10.1063/5.0022957

11. H. He, Z. Jia , S. Jia, Q. Hu, Y. Ohishi, W. Qin, and G. Qin, “Ho³⁺/Pr³⁺ Co-Doped AlF₃ Based Glass Fibers for Efficient ~2.9 m Lasers”, IEEE Photonics Technology Letters, Vol.32, Issue 23, pp. 1489-1492, December 2020. Doi: 10.1109/LPT.2020.3037309
12. T. Cheng, B. Li, X. Chen, X. Yan, X. Zhang, F. Wang, S. Li, T. Suzuki, and Y. Ohishi, “Multiple modes-induced multi-pair cross-phase modulation instability in the deep normal dispersion regime of a tellurite high birefringence microstructured optical fiber”, IEEE Photonics Journal, Vol. 13, No. 1, # 7100409, February 2021. Doi:10.1109/JPHOT.2021.3050181
13. H. He, Z. Jia, T. Wang, Y. Ohishi, W. Qin, and G. Qin, “Intense emission at ~3.3 μm from Er³⁺-doped fluoroindate glass fiber”, Optis Letters, Vol. 46, No. 5, pp. 1057-1060, March 2021. Doi:10.1364/OL.417731

<Proceedings>

1. H. P. T. Nguyen, T. S. Saini, T. H. Tuan, G. Sakai, M. Matsumoto, T. Suzuki, and Y. Ohishi, “Experimental Demonstration of Mid-Infrared Spontaneous Four-wave Mixing with A Tellurite All -solid Hybrid Microstructured Fiber”, CLEO2020 (Web Conference), JTh2E.10, May 11-15, 2020.
2. H. T. Tong, H. P. Trung Nguyen, T. Suzuki, and Y. Ohishi, “Flattened chromatic dispersion and birefringence properties of chalcogenide all-solid hybrid microstructured optical fibers”, CLEO2020 (Web Conference), JTU-2B.12, May 11-15, 2020.
3. X. Luo, T. H. Tuan, H. P. T. Nguyen, T. Suzuki, and Y. Ohishi, “Intracavity supercontinuum generation in mode-locked Er-doped fiber laser based on Mamyshev mechanism”, CLEO2020 (Web Conference), JTU2F.21, May 11-15, 2020.
4. A. Nakatani, T. H. Tuan, H. Isai, M. Matsumoto, G. Sakai, T. Suzuki, and Y. Ohishi, “Fabrication of chalcogenide transversely disordered optical fiber for mid-infrared image transport”, CLEO2020 (Web Conference), JW2E.9, May 11-15, 2020.
5. H. T. Tong, H. P. T. Nguyen, T. Suzuki, and Y. Ohishi, “Chalcogenide All-solid Hybrid Microstructured Optical Fiber with Flattened Normal Dispersion and High Birefringence in the mid-IR Region”, 17th International Joint Conference on e-Business and Telecommunications (ICETE2020), pp. 93-95, July 8-10, 2020.
6. T. H. Tuan, T. Suzuki, and Y. Ohishi, “High-birefringence chalcogenide all-solid hybrid microstructured optical fiber and broad mid-infrared parametric gain bandwidth”, Photonics West 2021 Digital Forum, pp. 116821G-1-6, March 6-11, 2021.
1. 中谷明日佳, Tong Hoang Tuan, 松本守男, 堀 豪一, 鈴木健伸, 大石泰丈, “カルコゲナイ ドランダム断面構造光ファイバによる中赤外光導波”, 第 81 回応用物理学会秋季学術講演会, 8p-Z16-5, 2020 年 9 月 8 日～11 日(オンライン開催).
2. 加藤雄也, 市原拓弥, 鈴木健伸, 大石泰丈, “中赤外ファイバレーザ用ガリウム酸塩ガラス

の組成探索”, The 31st Meeting on Glasses for Photonics 2021, 2021 年 1 月 29 日(オンライン開催)

3. 河村英果, Tong Hoang Tuan, 松本守男, 堀豪一, 鈴木健伸, 大石泰丈, “カルコゲナイト偏波保持ファイバの波長分散制御”, The 31st Meeting on Glasses for Photonics 2021, 2021 年 1 月 29 日(オンライン開催)
4. 中谷明日佳, Tong Hoang Tuan, 畑柳俊英, 松本守男, 堀豪一, 鈴木健伸, 大石泰丈, “テルライト・カルコゲナイトガラスを用いたランダム断面構造光ファイバによる赤外イメージ伝送”, 電子情報通信学会, 光ファイバ応用技術研究会, 2021 年 2 月 18 日(オンライン開催)