

## Publications for Javid Atai

### 2017

Chowdhury, S., Atai, J. (2017). Moving Bragg grating solitons in a semilinear dual-core system with dispersive reflectivity. *Scientific Reports*, 7(1), 1-12. <a href="http://dx.doi.org/10.1038/s41598-017-04179-6">[More Information]</a>

Jahirul Islam, M., Atai, J. (2017). Stability of Bragg grating solitons in a semilinear dual-core system with cubic-quintic nonlinearity. *Nonlinear Dynamics*, 87(3), 1693-1701. <a href="http://dx.doi.org/10.1007/s11071-016-3145-y">[More Information]</a>

Islam, M., Sultana, J., Atai, J., Abbott, D., Rana, S., Islam, M. (2017). Ultra low-loss hybrid core porous fiber for broadband applications. *Applied Optics*, 56(4), 1232-1237. <a href="http://dx.doi.org/10.1364/AO.56.001232">[More Information]</a>

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Farhadi, H., Atai, J., Skoglund, M., Nadimi, E., Pahlavan, K., Tarokh, V. (2016). An adaptive localization technique for wireless capsule endoscopy. *2016 10th International Symposium on Medical Information and Communication Technology (ISMICT)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. <a href="http://dx.doi.org/10.1109/ISMICT.2016.7498884">[More Information]</a>

Jahirul Islam, M., Atai, J. (2016). Dynamics of Interacting Bragg Grating Solitons in a Semilinear Dual-core System with Cubic-quintic Nonlinearity. *4th International Conference on Photonics, Optics and Laser Technology (PHOTOPTICS 2016)*, Portugal: SciTePress. <a href="http://dx.doi.org/10.5220/0005651502270230">[More Information]</a>

Ahmed, T., Atai, J. (2016). Effect of Dispersive Reflectivity on the Stability of Gap Solitons in Systems with Separated Bragg Grating and Nonlinearity. *4th International Conference on Photonics, Optics and Laser Technology (PHOTOPTICS 2016)*, Portugal: SciTePress. <a href="http://dx.doi.org/10.5220/0005651602310235">[More Information]</a>

Chowdhury, S., Atai, J. (2016). Interaction dynamics of Bragg grating solitons in a semilinear dual-core system with dispersive reflectivity. *Journal of Modern Optics*, 63(21), 2238-2245. <a href="http://dx.doi.org/10.1080/09500340.2016.1193242">[More Information]</a>

Islam, M., Atai, J. (2016). Interaction Dynamics of Gap Solitons in Dual-Core Bragg Gratings With Cubic-Quintic Nonlinearity. *IEEE Journal of Quantum Electronics*, 52(5), 1-8. <a href="http://dx.doi.org/10.1109/JQE.2016.2551038">[More Information]</a>

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Farhadi, H., Nadimi, E., Atai, J., Pahlavan, K., Skoglund, M., Tarokh, V. (2015). A novel adaptive localization technique for wireless capsule endoscopy. *Society of American Gastrointestinal and Endoscopic Surgeons Conference (SAGES 2015)*, USA: Springer. <a href="http://dx.doi.org/10.1007/s00464-015-4130-0">[More Information]</a>

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Chowdhury, S., Atai, J. (2015). Collisions of Bragg grating solitons in a semilinear dual-core system with dispersive reflectivity. *2015 IEEE Photonics Conference (IPC 2015)*, Piscataway, New Jersey: IEEE. <a href="http://dx.doi.org/10.1109/IPCon.2015.7323660">[More Information]</a>

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Cao, H., Shu, X., Atai, J., Zuo, J., Xiong, B., Shen, F., Liu, X., Cheng, J. (2015). Fiber Bragg grating based notch filter for bitrate-transparent NRZ to PRZ format conversion with two-degree-of-freedom optimization. *Journal of Optics*, 17(2), 1-7. <a href="http://dx.doi.org/10.1088/2040-8978/17/2/025702">[More Information]</a>

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Cao, H., Atai, J., Zuo, J., Yu, Y., Gbadebo, A., Xiong, B., Hou, J., Liang, P., Gao, Y., Shu, X. (2015). Simultaneous multichannel carrier-suppressed return-to-zero to non-return-to-zero format conversion using a fiber Bragg grating. *Applied Optics*, 54(20), 6344-6350. <a href="http://dx.doi.org/10.1364/AO.54.006344">[More Information]</a>

Islam, M., Atai, J. (2015). Stability of gap solitons in dual-core Bragg gratings with cubic-quintic nonlinearity. *Laser Physics Letters*, 12(1), 1-7. <a href="http://dx.doi.org/10.1088/1612-2011/12/1/015401">[More Information]</a>

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Cao, H., Atai, J., Yu, Y., Dong, Q., Zuo, J., Chen, G., Shu, X. (2014). Multi-channel RZ to NRZ Format Conversion Based on a Single Fiber Bragg Grating. *Progress In Electromagnetics Research Symposium (PIERS 2014)*, United States: Electromagnetics Academy.

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Chowdhury, S., Atai, J. (2014). Stability of Bragg Grating Solitons in a Semilinear Dual Core System With Dispersive Reflectivity. *IEEE Journal of Quantum Electronics*, 50(6), 458-465. <a href="http://dx.doi.org/10.1109/JQE.2014.2318206">[More Information]

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Dasanayaka, S., Atai, J. (2013). Families of moving Bragg grating solitons in cubic-quintic nonlinear media with dispersive reflectivity. *26th IEEE Photonics Conference, IPC 2013*, Piscataway, New Jersey, United States of America: (IEEE) Institute of Electrical and Electronics Engineers. <a href="http://dx.doi.org/10.1109/IPCon.2013.6656601">[More Information]

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