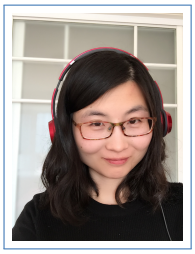

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Education

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Selective Publications

[1] **Nan Wang***, Bing Zheng, Haiyong Zheng, and Biao Yang. When underwater degraded images meet logical stochastic resonance. ***Nonlinear Dynamics***, 94:295–305, 2018. [https://doi.org/10.1007/s11071-018-4359-y]

[2] **Nan Wang**, Jia Yu, Biao Yang, Haiyong Zheng*, Bing Zheng. Vision-based in situ monitoring of plankton size spectra via a convolutional neural network. ***IEEE Journal of Oceanic Engineering***, 2018. (*Accepted*)

[3] **Nan Wang**, Bing Zheng, Haiyong Zheng, and Zhibin Yu. Feeble object detection of underwater images through LSR with delay loop. ***Optics Express***, 25(19):22490–22498, 2017. [https://doi.org/10.1364/OE.25.022490]

[4] **Nan Wang**, Haiyong Zheng, and Bing Zheng. Underwater image restoration via maximum attenuation identification. ***IEEE Access***, PP(99):1–1, 2017. [https://doi.org/10.1109/ACCESS.2017.2753796]

[5] **Nan Wang**, Aiguo Song, and Biao Yang. The effect of time-delayed feedback on logical stochastic resonance. ***European Physical Journal B***, 90(6):117, 2017. [https://doi.org/10.1140/epjb/e2017-80150-4]

[6] **Nan Wang** and Aiguo Song. Enhanced logical stochastic resonance in synthetic genetic networks. ***IEEE Transactions on Neural Networks & Learning Systems***, 27(12):2736–2739, 2016. [https://doi.org/10.1109/TNNLS.2015.2495155]

[7] Bing Zheng, **Nan Wang***, Haiyong Zheng, Zhibin Yu, and Jinpeng Wang. Object extraction from underwater images through logical stochastic resonance. ***Optics Letters***, 41(21):4967, 2016. [https://doi.org/10.1364/OL.41.004967]

[8] **Nan Wang** and Aiguo Song. Parameter-induced logical stochastic resonance. ***Neurocomputing***, 155:80–83, 2015. [https://doi.org/10.1016/j.neucom.2014.12.045]

[9] **Nan Wang** and Aiguo Song. Logical stochastic resonance in bistable system under α-stable noise. ***European Physical Journal B***, 87(5):1–7, 2014. [https://doi.org/10.1140/epjb/e2014-50193-2]

[10] **Nan Wang** and Aiguo Song. Set-reset latch logical operation induced by colored noise. ***Physics Letters A***, 378(22-23):1588–1592, 2014. [https://doi.org/10.1016/j.physleta.2014.04.003]

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