張順雄

著作目錄

期刊論文

1. C. S. Wen, C. F. Lin, S. H. Chang* (2022, Apr). Extraction of Energy Characteristics of Blue Whale Vocalizations Based on Empirical Mode Decomposition. *Sensors*, 22, 2737, pp.1-17,. (SCI, Instruments & Instrumentation 14/64). MOST 108-2221-E-992-026. 本人為通訊作者.
2. C.-C. Yang, C.-C. Wu, Y.-L. Hsiao, Z.- H. Wu, S.- H. Chang, H.-Y. Wang, C.-L. Shen (2022, Feb). Dielectric Properties of Zinc Oxide Sensing Film With Nitrogen Doped in Capacitance Relative Humidity Sensor. *IEEE Transactions on Dielectric and Electrical Insulation*, Vol. 29, No.2, April 2022. (SCI). MOST 105-2923-E-992-302-MY3.
3. Chin-Feng Lin*, Cheng-Fong Wu, Ching-Lung Hsieh, Shun-Hsyung Chang*, Ivan A. Parinov and Sergey Shevtsov (2022, Jan). Generalized frequency division multiplexing based low-power underwater acoustic image transceiver . *Sensors*. (SCI, Instrumnts & Instrumentation 14/64). MOST 108-2221-E-992-026. 本人為通訊作者.
4. Sergey Shevtsov; Igor Zhilyaev; Shun-Hsyung Chang; Jiing-Kae Wu; Natalia Snezhina (2022, Jan). Multi-Criteria Decision Approach to Design a Vacuum Infusion Process Layout Providing the Polymeric Composite Part Quality. *Polymers*, 14(2), 313; https://doi.org/10.3390/polym14020313. (SCI).
5. Igor P. Miroshnichenko , Ivan A. Parinov , Shun-Hsyung Chang and Chin-Feng Lin (2021, Aug). Features and Functionality of the Optical Interference Meter for Measurement of Surface Displacements of Control Objects. *Coatings*, 2021, 11, 989.. (SCI, Physics Applied 70/160).
6. S. Shevtsov, I. Zhilyaev, S.-H. Chang, J.-K. Wu, N. Snezhina, J.-P. Huang (2021, Mar). Two-stage numerical approach for reliable recognition of dry spots at the VAP infusion of large composite parts of complex shape. *Composite Structures*, Volume 259, pp.1-12. (SCI, MECHANICS, 8/136; MATERIALS SCIENCE, COMPOSITES, 6/26). MOST 108-2221-E-992-026.
7. Andryushin, K.P.; Sakhnenko, V.P.; Turik, A.V.; Shilkina, L.A.; Pavelko, A.A.; Dudkina, S.I.; Rudskaya, A.G.; Rudskiy, D.D.; Verbenko, I.A.; Hasbulatov, S.V.; Reznichenko, L. A.; Parinov, I. A.; Chang, S. H.; Wang, H. Y. (2021, Jan). Reasons for the High Electrical Conductivity of Bismuth Ferrite and Ways to

Minimize It. *Applied Sciences*, 11(3), 1025; https://doi.org/10.3390/app11031025. (SCI).

8. Liao, H.-Y.; Chen, S.-Y.; Le, H.-T.; Gao, W.-L.; Chang, F.-C.; Wen, C.-C.; Fang, Y.-C.; Chen, C.-H.; Chang, S.-H.; Lee, H.-Y. (2021, Jan). Design and Prototyping of Efficient LED Counter Beam Light with Free-Formed Surface for Meeting International Tunnel Lighting Standards. *Energies*, Energies 2021, 14(2), 488; https://doi.org/10.3390/en14020488. (SCI).
9. C.-K. Cheng, S.-H. Chang, C.-C. Yang and Jenny C.-Y. Lee, Y.-M. Liu, Y.-C. Fang, H.-Y. Lee, C.-F. Yang (2021). Effect of device structure on signal measurement of zinc oxide nanocolumn-based resonant cavity hydrophones. *Modern Physics Letters B*, Vol. 35, No. 29 (2021) 2141012. (SCI). MOST 109-2622-E-390-001-C3. 本人為通訊作者.
10. C.-C. Wen, C.-H. Chen, H.-Y. Lee, S.-H. Chang, Y.-C. Fang (2020, Dec). A Study of Optical Design of Automotive Lighting System with Laser Source. *Journal of Internet technology*, Vol. 21, No. 7, pp2039-2044. (SCI).
11. Fang, Y.-C.; Tzeng, Y.-F.; Wen, C.-C.; Chen, C.-H.; Lee, H.-Y.; Chang, S.-H.; Su, Y.-L. (2020, Oct). A Study of High-Efficiency Laser Headlight Design Using Gradient-Index Lens and Liquid Lens. *Applied Sciences*, 10(20), 7331; https://doi.org/10.3390/app10207331. (SCI).
12. Zubarev, J.Y.; Chang, S.-H.; Lin, C.; Boldyrev, N.A.; Pavlenko, A.V.; Nazarenko, A.V.; Nagaenko, A.V.; Yurasov, Y.I.; Verbenko, I.A.; Parinov, I.A.; Reznichenko, L. A. (2020, Oct). Phase states, microstructure and dielectric characteristics of solid solutions (1 – x)NaNbO3 – xCa2Nb2O7 and (1 – x)NaNbO3 – xSr2Nb2O7. *Heliyon*, October 24, 2020 DOI:https://doi.org/10.1016/j.heliyon.2020.e05197.
13. Yeh, M.Y.; Yang, T.Y.; Wu, T.C.; Lee, S.Y.; Chang, S.H (2020, Sep). Visible-light photocatalytic activity of Fe@TiO2 core–shell composite synthesized by sol–gel method. *International Journal of Modern Physics B*, Volume 34, Issue 22n24 (30 September 2020). (SCI).
14. Lee, J.; Le, L.-T.; Le, H.-T.; Liao, H.-Y.; Huang, G.-Z.; Ma, H.-Y.; Wen, C.-C.; Fang, Y.C.; Chen, C.-H.; Chang, S.-H. (2020, Aug). Low-Glare Freeform-Surfaced Street Light Luminaire Optimization to Meet Enhanced Road Lighting Standards. *International Journal of Optics*, Volume 2020 |Article ID 5683264 | https://doi.org/10.1155/2020/5683264. (SCI).
15. A.V. Nagaenko, Shun-Hsyung Chang, K.P. Andryushin, L.A. Shilkina, M.I. Mazuritskiy, I.N. Andryushina, E.V. Glazunova, A.A. Pavelko, Yu.A. Trusov, I.A. Verbenko, L.A. Reznichenko, I.A. Parinov (2020, Feb). Multi-element ferroactive materials based on KNN-PZT compositions with fundamentally

different physical properties. *Heliyon*, Volume 6, Issue 2.. MOST 107-2221-E-992-027.

16. Sergey Shevtsov, Igor Zhilyaev, Shun-Hsyung Chang, Jiing-Kae Wu, Jyun-Ping Huang, Natalia Snezhina (2020, Feb). Experimental and Numerical Study of Vacuum Resin Infusion for Thin-Walled Composite Parts. *Applied Sciences*, 10(4):1485. (SCI). MOST 107-2221-E-992-027.
17. Sergey Shevtsov, Valery Chebanenko, Maria Shevtsova, Shun-Hsyung Chang, Evgenia Kirillova, Evgeny Rozhkov (2020, Feb). On the Directivity of Lamb Waves Generated by Wedge PZT Actuator in Thin CFRP Panel. *Materials*, Volume 13, 907; doi:10.3390/ma13040907. (SCI). MOST 107-2221-E-992-027.
18. Chin-Feng Lin *, Tsung-Jen Su, Hung-Kai Chang, Chun-Kang Lee, Shun-Hsyung Chang, Ivan A. Parinov, Sergey Shevtsov (2019, Dec). Direct Mapping Based MIMO-FBMC Underwater Acoustic Transmission Architecture for Multimedia Signals. *Applied Sciences*. (SCI, 67/148, PHYSICS, APPLIED). MOST 107-2221-E-992-027.
19. Zubarev, J.Y.; Chang, S.-H.; Shilkina, L.A.; Mazuritskiy, M.I.; Budnyk, A.P.; Nazarenko, A.V.; Dudkina, S.I.; Razumovskaya, O.N.; Reznichenko, L.A.; Parinov, I.A. (2019, Nov). Intercalation of water molecules from the air into perovskite and layered structures formed in the system of NaNbO3–Ca2Nb2O7. *Heliyon*, VOLUME 5, ISSUE 11, DOI:https://doi.org/10.1016/j.heliyon.2019.e02786. (SCI).
20. Shevtsova, M.; Kirillova, E.; Rozhkov, E.; Chebanenko, V.; Shevtsov, S.; Wu, J.-K.; Chang, S.-H. (2019, Jul). Piezoelectric based lamb waves generation and propagation in orthotropic cfrp plates: I. influence of material damping. *Materials Science Forum*, Vol.962, pp. 218-226, https://doi.org/10.4028/www.scientific.net/MSF.962.218. (SCI).
21. Shevtsova, M.; Kirillova, E.; Rozhkov, E.; Chebanenko, V.; Shevtsov, S.; Wu, J.-K.; Chang, S.-H. (2019, Jul). Piezoelectric Based Lamb Waves Generation and Propagation in Orthotropic CFRP Plates: II. Influence of Interfacial Stress Distribution. *Science Forum*, Vol. 962, pp.227-235, DOI: 10.4028/www.scientific.net/MSF.962.227. (SCI).
22. Min Yen Yeh, Jun Hong Li, Shun Hsyung Chang, Shiow Yueh Lee and Huichun Huang (2019, Apr). Facile hydrothermal synthesis of NaTaO3 with high photocatalytic activity. *Modern Physics Letters B*, Volume 33, No.14n15,1940046. (SCI).
23. Aleksey Pavelko, Sidek Khasbulatov, Larisa Reznichenko , Lidia Shilkina, Haji Gadjiev, Abumuslim Bakmaev, Zairbek Omarov, Iliya Verbenko, Vladimir Alyoshin, Ivan Parinov, Shun-Hsyung Chang and Hung-Yu Wang (2018, Nov).

Features of the Formation of the Crystal Structure, Grain Structure, Dielectric and Thermophysical Properties of Bismuth Ferrite Doped with Erbium. *Applied Sciences-Basel* , 8(11):2183. (SCIE, 98/171,CHEMISTRY, MULTIDISCIPLINARY). MOST 105-2923-E-992-302-MY3.

24. Igor P. Miroshnichenko, Ivan A. Parinov, Shun-Hsyung Chang and Hung-Yu Wang (2018, Nov). Determination of the Electromagnetic Field on the Surface of the Beam Splitter of Laser Interferometer by Measuring the Displacements of Control Object Surfaces. *Applied Sciences-Basel*, Volume 8,1897; doi:10.3390/app8101897. (SCIE, 98/171,CHEMISTRY, MULTIDISCIPLINARY). MOST 105-2923-E-992-302-MY3.
25. A.G. Abubakarov, A.V. Pavlenko, L.A. Shilkina, A.V. Turik, I.A. Verbenko, L.A. Reznichenko, K.P. Andryushin, I.N. Andryushina, H.A. Sadykov, I.A. Parinov, Shun-Hsyung Chang and Hung-Yu Wang (2018, Oct). Structurization, Phase Rule Diagram, Relaxation Processes and Radio-Absorbing Properties of Solid Solutions Based on a Binary System BaNb2O6-SrNb2O6. *Applied Sciences-Basel* , Volume 8,no. 10,1932; doi:10.3390/app8101932. (SCIE, 98/171,CHEMISTRY, MULTIDISCIPLINARY). MOST 105-2923-E-992-302-MY3.
26. Konstantin P. Andryushin, Inna N. Andryshina, Lidiya A. Shilkina, Svetlana I. Dudkina, Iliya A. Verbenko, Larisa A. Reznichenko, Mihail I. Mazuritskiy, Alexandr V. Nagaenko, Ivan A. Parinov, Shun-Hsyung Chang and Hung-Yu Wang (2018, Oct). Thermodynamic Prehistory in the Formation of the Internal Structure of Highly Stable Ferroelectric Materials. *Applied Sciences-Basel* , Volume 8, Issue 10, doi:10.3390/app8101897. (SCIE, 98/171,CHEMISTRY, MULTIDISCIPLINARY). MOST 105-2923-E-992-302-MY3.
27. Chin-Feng Lin, Hsiu-Hung Lai, Shun-Hsyung Chang (2018, Jul). MIMO GS OVSF/OFDM Based Underwater Acoustic Multimedia Communication Scheme. *Wireless Personal Communications*. (SCI, Telecommunications:76/89). MOST 99-2923-E-022-001-MY3.
28. Chin-Feng Lin, Yi-Tai Hung, Hsun-Wei Lu, Shun-Hsyung Chang, Ivan A. Parinov, and Sergey Shevtsov (2018, Jun). FBMC/LDPC-Based Underwater Transceiver Architecture for Voice and Image Transmission. *Journal of Marine Science and Technology*. (Accepted). (SCI, Engineering, Multidisciplinary:80/85). MOST 105-2923-E-022-001-MY3.
29. Chin-Feng Lin, Yao-Ching Chung, Jin-De Zhu, Shun-Hsyung Chang, Chan-Chuan Wen, Ivan A. Parinov, and S. N. Shevtsov (2017, Aug). The energy based characteristics of sperm whale clicks using the Hilbert Huang transform analysis method. *J. Acoust. Soc. Am.*, 142(2):504-511. (SCI, Acoustic 16/31). MOST 104-

2221-E-022-014.

30. Sergey Shevtsov, Shun-Hsyung Chang (2016, Jan). Modeling of vibration energy harvesting system with power PZT stack loaded on Li-Ion battery. *Internat ional journal of hydrogen energy, 41:12618-12625, 2016.*, 41:12618-12625. Russian Foundation for the Basic Research: Grant 15-08-00849.
31. Jin-De Zhu, Chin-Feng Lin, Shun-Hsyung Chang, Jung-Hua Wang, Tsung-Ii Peng, Yu-Yi Chien (2015, Jan). Analysis of Spike Waves in Epilepsy Using Hilbert-Huang Transform. *Journal of Medical Systems*, 39:170. (SCI).
32. Fu-Tai Wang, C.-Y. Jenny Lee, Hsiao-Wen Tin, Shao-Wei Leu, Chan-Chuan Wen, Shun-Hsyung Chang (2014, Oct). Fractal-wavelet technique for denoising side-scan sonar images. *WSEAS Trans. on Signal Processing*.

<u>專書</u>

1. Ivan A. Parinov, Shun-Hsyung Chang, Yun-Hae Kim, Nao-Aki Noda (Eds.).. *Proceedings of the 2020 International Conference on Physics and Mechanics of New Materials and Their Applications,* (ISBN: ISBN: 978-1-53619-958-1). New York.: Nova Science Publishers,. Aug, 2021. MOST 109-2221-E-992-091.
2. Ivan A. Parinov, Shun-Hsyung Chang, Yun-Hae Kim, Nao-Aki Noda (Eds.). *Advanced Materials - Proceedings of the International Conference on "Physics and Mechanics of New Materials and Their Applications", PHENMA 2020,* (ISBN: ISBN 978-3-030-76480-7). Cham, Switzerland. : Springer Nature,. Jun, 2021. MOST 109-2221-E-992-091.
3. Ivan A. Parinov, Shun-Hsyung Chang, Banh Tien Long (Editors). *Advanced Materials Proceedings of the International Conference on "Physics and Mechanics of New Materials and Their Applications", PHENMA 2019, pp.1-613, 2020.* (ISBN: 978-3-030-45120-2). Switzerland: Springer. Dec, 2020. MOST 105-2923-E-022-001-MY3.
4. Ivan A. Parinov, Shun-Hsyung Chang, Banh Tien Long (Editors). *Proceedings of the 2019 International Conference on "Physics, Mechanics of New Materials and Their Applications"* (ISBN: 978-1-53618-255-2). New York. Nov, 2020. MOST 105-2923-E-022-001-MY3.
5. Ivan A. Parinov, Shun-Hsyung Chang, Yun-Hae Kim (Editors). *Advanced Materials Proceedings of the International Conference on "Physics and Mechanics of New Materials and Their Applications", PHENMA 2018, pp.1-659, 2019.* (ISBN: 978-3-030-19893-0). Switzerland:: Springer. . Oct, 2019. MOST 105-2923-E-022-MY3.
6. Ivan A. Parinov, Shun-Hsyung Chang, Yun-Hae Kim (Editors) . *Proceedings of*

the 2018 International Conference on "Physics, Mechanics of New Materials and Their Applications" , 2019. (ISBN: 978-1-53615-862-5). New York,: Nova Science Publishers.. Oct, 2019. MOST 105-2923-E-022-MY3.

7. Ivan A. Parinov, Shun-Hsyung Chang, Vijay K. Gupta (Editors) . *Proceedings of the 2017 International Conference on "Physics, Mechanics of New Materials and Their Applications"* (1) (ISBN: 978-1-53614-083-5). New York, USA: Nova Science Publishers. Nov, 2018. MOST 105-2923-E-022-001-MY3.
8. Editors: Parinov, Ivan A., Chang, Shun-Hsyung, Gupta, Vijay K. (Eds.). *Advanced Materials Proceedings of the International Conference on "Physics and Mechanics of New Materials and Their Applications", PHENMA 2017* (1) (ISBN: 978-3-319-78918-7). USA: Springer. Jun, 2018. MOST 105-2923-E-022-001-MY3.
9. Ivan A. ParinovShun-Hsyung ChangMuaffaq A. Jani(Eds). *Advanced Materials Techniques, Physics, Mechanics and Applications, Conference proceedings, Part of the Springer Proceedings in Physics book series (SPPHY, volume 193), pp. 1-pp. 621.* (ISBN: 978-3-319-56061-8). Switzerland: Springer. Aug, 2017. MOST 105-2923-E-022-001-MY3.
10. Ivan A. Parinov, Shun-Hsyung Chang, and Muaffaq A. Jani(Eds). *Proceedings of the 2016 international conference on "Physics, Mechanics on New Materials and Their Applications"* (ISBN: 978-153-611-0333). New York, 2017: Nova Science Publishers. Apr, 2017. MOST 105-2923-E-022-001-MY3.
11. Ivan A. Parinov, Shun-Hsyung Chang, and Vitaly Yu. Topolov (Eds). *Proceedings of the 2015 International Conference on "Physics, Mechanics of New Materials and Their Applications", Devoted to the 100th Anniversary of the Southern Federal University* (ISBN: 978-1-63484-577-9). USA: NOVA Science Publishers. Mar, 2016. MOST 99-2923-E-022-001-MY3.
12. Ivan A. Parinov, S. H. Chang, Vitaly Yu. Topolov (Eds.).,. *Advanced Materials – Manufacturing, Physics, Mechanics, and Applications* (ISBN: 978-3-319-26322-9). USA: Springer Publishers.. Feb, 2016. MOST 99-2923-E-022-001-MY3.
13. I. A. Parinov, S. H. Chang, S. Theerakulpisut (Eds.). . *"Advanced Materials - Studies and Applications", I. A. Parinov, S. H. Chang, S. Theerakulpisut (Eds.). New York: Nova Science Publishers. - 2015. - 480 p. ISBN: 978-1-63463-749-7 by 1st quarter, 2015. https://www.novapublishers.com/catalog/product_info.php?products_id=53074* (ISBN: 978-1-63463-749-7). New York: Nova Science Publishers. Feb, 2015. NSC 99-2923-E-022-011-MY3.
14. Shun-Hsyung Chang, Ivan A. Parinov, and Vitaly Yu. Topolov . *Advanced Materials - Physics, Mechanics and Applications* (First Edition) (ISBN: 978-3-319-03748-6). Switzerland: Springer. Jun, 2014. NSC 99-2923-E-002-001-MY3.

15. Fu-Tai Wang, Chung-Cheng Chen, Jenny Chih-Yu Lee, Shun-Hsyung Chang, Chin-Feng Lin, Hsiao-Wen Tin, and Wen-Jin Kao. *On Seismicity Driven Chaotic Model by DWT* . Springer. Mar, 2014.
16. Shun-Hsyung Chang, Ivan A. Parinov, Vitaly Yu. Topolov (Eds.). . *"Advanced Materials - Physics, Mechanics and Applications". Springer Proceedings in Physics, V. 152, Shun-Hsyung Chang, Ivan A. Parinov, Vitaly Yu. Topolov (Eds.). Heidelberg, New York, Dordrecht, London: Springer. - 2014. - 380 p. ISBN: 978-3319037486 http://link.springer.com/book/10.1007/978-3-319-03749-3* (ISBN: 978-3319037486). Springer. Jan, 2014. NSC 99-2923-E-022-011-MY3.

專書論文

1. C. F. Lin, T. K. Chan, C. C. Wen, S. H. Chang, I. A. Parinov and S. N. Shevtsov. Hilbert-Huang Transform Based Features for Underwater Voice (II) Transmission. *Advanced Materials Studies and Applications*. Jan, 2015.
2. Chyi-Da Yang , Fong-Jheng Lin , Chia-Hsiang Chou , Yu-Cheng Kung , Cheng-Liang Huang , Min-Yen Yeh , Jing-Kae Wu , Huoo-Yuan Jenq , Jenq-Der Chen , Chih-Yu Lee , Chiung-Hsing Chen and Shun-Hsyung Chang. Colorful Flashing LED Night Pearls For Marine Application. *Advanced Materials Studies and Applications*. Jan, 2015.
3. I.P. Miroshnichenko , I.A. Parinov and Shun-Hsyung Chang . Novel Optic Devices For Measurement Of Displacements Based On Method Of Control Object Highlighting By Using Laser Interferometer. *Advanced Materials Studies and Applications*. Jan, 2015.
4. Min Yen Yeh ,Yi Cheng Lee , Kun Fu Hsu , Chyi-Da Yang , Cheng-Liang Huang , Po-Hsun Lei and Shun-Hsyung Chang. Hydrothermal Preparation of NaTaO3 Photocatalyst Materials. *Advanced Materials Studies and Applications*. Jan, 2015.
5. A. N. Soloviev, N. D. T. Giang, S.-H. Chang. Determination of Elastic and Dissipative Properties of Material Using Combination of FEM and Complex Artificial Neural Networks. *Advanced Materials -physics , Mechanics and Applications (ISBN 978-3-319-03748-6)(P.137)*. Jun, 2014.
6. Andrey Nasedkin, Maria Shevtsova and Shun-Hsyung Chang. Optimal Design Of Underwater Acoustic Projector with Active Elements Made from Porous Piezoceramics. *Advanced Materials -physics , Mechanics and Applications (ISBN 978-3-319-03748-6)(P.249)*. Jun, 2014.
7. Fu-Tai Wang, Chung-Cheng Chen, Jenny Chih-Yu Lee, Shun-Hsyung Chang, Chin-Feng Lin, Hsiao-Wen Tin and Wen-Jin Kao. On seismicity Driven Chaotic

Model by DWT. *Advanced Materials -physics , Mechanics and Applications (ISBN 978-3-319-03748-6)(P.329)*. Jun, 2014.

8. Hung-Yu Wang, Nan-Hui Chiang, Quoc-Minh Nguyen and Shun-Hsyung Chang. Circuit Synthesis Using Pathological Elements. *Advanced Materials -physics , Mechanics and Applications (ISBN 978-3-319-03748-6)(P.317)*. Jun, 2014.
9. Shun Hsyung Chang, Chih Chin Yang, Ting-hao Hu , Shang yang Chen and Ian Yi-Yu Bu. Zinc Oxide and Its Applications . *Advanced Materials -physics , Mechanics and Applications (ISBN 978-3-319-03748-6)(P.347)*. Jun, 2014.

研討會論文

1. C. F. Lin, C. F. Wu, C. L. Hsieh, and S. H. Chang (2021, Dec). GFDM-based underwater transmission scheme for image signals. IEEE International Symposium on Intelligent Signal Processing and Communication Systems . MOST 109-2221-E-992-091. 本人為通訊作者.
2. C. S. Wen, C. F. Lin, and S. H. Chang (2021, Dec). IMFs and RF energy distribution characteristic analysis of blue whale vocalizations. IEEE International Symposium on Intelligent Signal Processing and Communication Systems.
3. C. F. Lin, C. C. Chuang, S. H. Chang, Ivan A. Parinov, and Sergey Shevtsov (2021, Jan). Space Time Block Code Based FBMC Advanced Underwater Image Communication Technology. Physics and Mechanics of New Materials and Their Applications.
4. C. F. Lin, T. J. Su, S. H. Chang, Ivan A. Parinov, and Sergey Shevtsov (2020, Jan). Direct Mapping FBMC Based Underwater Transmission Scheme for Data Signals. Physics and Mechanics of New Materials and Their Applications. MOST 107-2221-E-992-027.
5. C. F. Lin, C. K. Li, S. H. Chang, Ivan A. Parinov, and Sergey Shevtsov (2019, Jan). Direct Mapping FBMC Based Underwater Transmission Scheme for Audio Signals. Physics and Mechanics of New Materials and Their Applications. MOST 107-2221-E-992-027.
6. C. F. Lin, T. I. Chang, S. H. Chang, and Ivan A. Parinov (2018, Jan). IMF-based Energy Distribution Features of Fin Whale Sounds Using EMD Method. hysics and Mechanics of New Materials and Their Applications, India.
7. C. F. Lin, Y. T. Hung, S. H. Chang, Ivan A. Parinov, and S. N. Shevtsov, (2018, Jan). FBMC-based Underwater Transmission Scheme for Voice Signals. hysics and Mechanics of New Materials and Their Applications., India.
8. C. F. Lin, S. C. Lee, S. H. Chang, C. C. Chang, Ivan A. Parinov, and S. N.

Shevtsov, (2017, Jun). IMF Features of FP1 EEG Signal Using EMD methods for Cerebral Palsy. Springer Proceedings in Physics, Advanced Materials Techniques, Physics, Mechanics and Applications, Indonesia.

9. C. F. Lin, Y. C. Chung, S. H. Chang, C. C. Wen, Ivan A. Parinov, and S. N. Shevtsov (2017, Jan). Time-Frequency Features of Click I of Sperm Whale Using HHT Analysis Method. Physics, Advanced Materials Techniques, Physics, Mechanics and Applications, Indonesia. MOST 103-2221-E-022-015.
10. Chin-Feng Lin, Jin-De Zhu, Shun-Hsyung Chang, Chan-Chuan Wen, Ivan A. Parinov, S. N. Shevtsov. (2015, May). Hilbert-Huang Transformation based Time-frequency Features of Berardius Bairdii Whistles. “PHYSICS AND MECHANICS OF NEW MATERIALS AND THEIR APPLICATIONS” (PHENMA-2015) .
11. Hsiao-Wen Tin, Fu-Tai Wang, Chin-Feng Lin, Chan-Chuan Wen, Shun-Hsyung Chang. (2015, May). A Fractal Wavelet OFDM Based Underwater Acoustic Image System. “PHYSICS AND MECHANICS OF NEW MATERIALS AND THEIR APPLICATIONS” (PHENMA-2015) .
12. Ian Y.Y. Bu, Cheng-Xun Kuo, Jenny Chih-Yu Lee, Shih-Fong Chao, J.-K. Wu, Shevtsov S., Shevtsova M., Shun-Hsyung Chang. (2015, May). Underwater acoustics of a high-sensitivity piezoelectric film applied to the development of acoustic sensing element. “PHYSICS AND MECHANICS OF NEW MATERIALS AND THEIR APPLICATIONS” (PHENMA-2015) .
13. Kuan-Chun Liu, Jenny Chih -Yu Lee, Jinn-Chang Wu, Ivan A. Parinov, Shun-Hsyung Chang. (2015, May). Designing the LED Lighting Driver Circuit with a Boost Converter. “PHYSICS AND MECHANICS OF NEW MATERIALS AND THEIR APPLICATIONS” (PHENMA-2015) .
14. Nai-Wen Hsu, Jenny Chih-Yu Lee, Ivan A. Parinov, Shun-Hsyung Chang. (2015, May). Designing a Smart Home Energy-Saving System via ZigBee Technology. “PHYSICS AND MECHANICS OF NEW MATERIALS AND THEIR APPLICATIONS” (PHENMA-2015) .
15. Yi-Long Lin, Jenny Chih-Yu Lee, Shih-Fong Chao, Jr-Ping Wang, Shun-Hsyung Chang (2015, May). Designing an Automatic Power Monitoring System with LaVIEW. “PHYSICS AND MECHANICS OF NEW MATERIALS AND THEIR APPLICATIONS” (PHENMA-2015) .
16. Yu-Lun Cheng, Jenny Chih-Yu Lee, Jinn-Chang Wu1, Varvara Shevtsova, Ivan A. Parinov, Shun-Hsyung Chang. (2015, May). Designing the Photovoltaic Based Battery Charger with a Dual-output Buck Power Converter. “PHYSICS AND MECHANICS OF NEW MATERIALS AND THEIR APPLICATIONS” (PHENMA-2015) .

17. Shun-Hsyung Chang, Fu-Tai Wang, Jiing-Kae Wu, Sergey N. Shevtsov, Igor. V. Zhilyaev and Maria S. Shevtsova (2014, Dec). The Optimum Design of pMUT Hydrophone with Perforated Active Diaphragm". ICCMC 2014. ABC.
18. S. Shevtsov, S.-H. Chang, V. V. Kalinchuk, M. S. Shevtsova, and I. V. Zhilyaev (2014, Jun). Multiobjective Pareto-based Optimization of pMUT Hydrophone with Piezoelectric Active Diaphragm.. Proceedings of the ASME 2014 Biennial Conference on Engineering System Design and Analysis, Copenhagen, Denmark..
19. Fu-Tai Wang, C.-Y. Jenny Lee, Hsiao-Wen Tin, Shao-Wei Leu, Chan-Chuan Wen, Shun-Hsyung Chang (2014, Apr). A Roughness-Based Matching Algorithm of Fractal Wavelet Coding for Side-Scan Sonar Images. MACMESE '14.
20. C. F. Lin, T. K. Chan, C. C. Wen, S. H. Chang, I. A. Parinov, S. N. Shevtsov (2014, Mar). Hilbert-Huang Transform Based Features for Underwater Voice (II) Transmission.. Phenma2014(Khon Kaen, Thailand).
21. C.-Y. Jenny Lee, Hsiao-Wen Tin, Fu-Tai Wang, Ivan A. Parinov, Shun-Hsyung Chang (2014, Mar). Power-Efficient Mechanism for Underwater Sensor Networks. 2014 International Symposium on Physics and Mechanics of New Materials and Underwater Applications (PHENMA 2014).
22. Chyi-Da Yang, Chia-Hsiang Chou, Yu-Cheng Kung, Cheng-Liang Huang, Min-Yen Yeh, Jiing-Kae Wu, Huoo-Yuan Jenq, Jenq-Der Chen, Chih-Yu Lee, Chiung-Hsing Chen, Shun-Hsyung Chang (2014, Mar). Colorful Flashing LED Night Pearls for Marine Application. Phenma2014 (Khon Kaen, Thailand).
23. I. A. Parinov, V. A. Akopyan, V. A. Chebanenko, C.-Y. Jenny Lee, F.-T. Wang, S.-H. Chang (2014, Mar). Asymptotical Methods in Investigation of Conductive and Mechanical Properties of Superconductive Composites. Phenma2014(Khon Kaen, Thailand).
24. Min Yen Yeh, Yi Cheng Lee, Kun Fu Hsu, Chyi-Da Yang, Cheng-Liang Huang, Po-Hsun Lei, Shun-Hsyung Chang (2014, Mar). Hydrothermal Preparation of NaTaO3 Photocatalyst Materials.. Phenma2014(Khon Kaen, Thailand).
25. S.-H. Chang, J.-C. Liu, J.-K. Wu, S. Shevtsov, I. Zhilyaev, M. Shevtsova, P. Oganesyan (2014, Mar). Two-steps Pareto-based Optimization of Broadband pMUT Hydrophone. Phenma2014(Khon Kaen, Thailand). 本人為第一作者.
26. 林進豐、彭煒仁、吳承峰、張順雄（2020年07月）。一種基於廣義分頻多工水下聲音訊號通訊技術。第二十二屆水下技術研討會暨科技部成果發表會。科技部：108-2221-E-992-026。
27. 林進豐、張泓愷、蔡盛名、張順雄、Ivan A. Parinov、Sergey Shevtsov（2019年05月）。一種基於直接映射陣列濾波器組多載波低密度檢查碼先進水下影像傳輸技術。第二十一屆水下技術研討會暨科技部成果發表會。

28. 林進豐，張宗益，陳緻華，張順雄（2019年05月）。一種長鬚鯨聲音希爾伯特-黃轉換邊際頻譜分析。第二十一屆水下技術研討會暨科技部成果發表會。
29. 林進豐、盧勳韋、張順雄 、Ivan A. Parinov、S. N. Shevtsov（2017年11月）。一種低功率多載波陣列濾波器組/低密度檢查碼適應性水中聲學影像傳輸技術。2017民生電子研討會(WCE 2017)，國立台北科技大學。科技部：105-2923-E-022-001-MY3。
30. 林進豐、邱博研、何佳錡、張順雄（2017年05月）。一種部分混沌視覺經驗模態拆解水下聲音加密方法。第十九屆水下技術研討會暨科技部成果發表會。科技部：105-2221-E-022-010。

其他

1. Ivan A. Parinov, Yun-Hae Kim, Shun-Hsyung Chang, Hung-Yu Wang (Eds) (2020, Dec). Special Issue 'Physics and Mechanics of New Materials and Their Applications 2019,' Applied Sciences, MDPI. (31, December, 2020) SJR Q1 IF=0.42, JCR 2019, IF=2.474.
2. Yun-Hae Kim, van A. Parinov, Shun-Hsyung Chang, Hung-Yu Wang (Eds) (2018, Nov). Special Issue 'Physics and Mechanics of New Materials and Their Applications 2018,' Applied Sciences, MDPI. (15, November, 2018) SJR Q1 IF=0.42, JCR 2019, IF=2.474 .
3. 林進豐、徐尉展、林敏雄、詹德光、蕭光任、賴富麒、文展權、張順雄（2017年01月）。『一種基於經驗模態拆解之水下音訊訊號時間頻率能量分佈特徵分析方法』，中華民國發明專利，I567732，106年1月。。