2024年日本音響学会論文賞候補論文一覧

日本音響学会誌79巻1号~12号·80巻1号~12号

Acoustical Science and Technology Vol. 44, No. 1~6, Vol. 45, No. 1~6

1. ROHAN: テキスト音声合成に向けたモーラバランス型日本語コーパス 森勢将雅 (79 巻 1 号)

2. 聴取者横移動へのロバスト性を有する指向性・正中面配置スピーカを用いたトランスオーラルシステム

長倉知哉, 鮫島俊哉 (79巻3号)

3. 複数の打撃位置とセンサ位置における打撃応答波形の解析によるコンクリート橋梁中の空隙の非破壊診断

安倍正人・藤岡豊太・永田仁史 (79巻11号)

- 4. 空中強力定在波音場による濡れた試料の乾燥中の温度 伊藤美桜・大和田知花・淺見拓哉・三浦 光 (79 巻 12 号)
- 5. ピアノ1本弦における2次元振動の測定と等価回路モデルによる数値シミュレーション

長沼大介・若槻尚斗・水谷孝一 (80巻4号)

- 6. 音響・言語情報の early fusion と late fusion を併用した音声感情認識 水瀬亮太郎・福森隆寛・山下洋一(80巻5号)
- 7. 騒音検出マイクロホンが一つのマルチチャネル能動正弦波騒音制御システムの一構成法

藤井健作・棟安実治・苣木禎史(80巻6号)

- 8. 熱音響機器との組み合わせに必要な音響スピーカの特性の測定 倉井陽太郎・関本論志・上田祐樹(80巻7号)
- 9. 進化的構造最適化法による残響室設計の試み

鮫島俊哉・白水豪気 (80巻9号)

10. One-dimensional static vocal tract model in the time domain

Hironori Takemoto, Seiji Adachi, Natsuki Toda (44巻1号)

11. Automatic generation of stage data for music games with sparse target density

Atsuhito Udo, Naofumi Aoki, Yoshinori Dobashi (44 巻 2 号)

12. Underwater target detection using a pair of omnidirectional transducers in extremely shallow water

Ryota Shinoda, Kazuhiko Ohta (44 巻 2 号)

13. Difference in auditory time-to-contact estimation between the rear and other directions

Ryo Teraoka, Yushiro Hayashida, Wataru Teramoto (44 巻 2 号)

14. Bit rate required for mono audio object in object-based audio program compressed with MPEG-H 3D Audio

Takehiro Sugimoto (44 巻 2 号)

15. Two-dimensional finite-difference time-domain simulation of moving sound source and receiver with directivity

Takao Tsuchiya, Yusuke Makino, Yu Teshima, Shizuko Hiryu(44 巻 2 号)

16. Joint analysis of acoustic scenes and sound events based on multitask learning with dynamic weight adaptation

Kayo Nada, Keisuke Imoto, Takao Tsuchiya (44 巻 3 号)

- 17. Procedure for calculating fluctuation strength for marimba tremolo Nozomiko Yasui, Masanobu Miura (44 巻 3 号)
- 18. Attenuation characteristics of tones and vibrations in guitars with nylon, fluorocarbon, and phosphor bronze strings pressed down against fret Hidekazu Kodama, Mao Sato, Satoshi Hoshika, Sakae Yokoyama (44 巻 3 号)
- 19. Vibration analysis of piano strings involving dynamics of hammer shanks Nao Sato, Toshiya Samejima (44 巻 3 号)
- 20. A practical method for generating whispers from singing voices: Application of improved phantom silhouette method

 Teruhisa Uchida(44 巻 3 号)
- 21. Physical modeling of wind instruments involving three-dimensional radiated sound fields

Fukiko Ishida, Toshiya Samejima (44 巻 3 号)

- 22. Vibro-acoustic analysis of cellos using the finite and boundary element methods and its application to studies on the effects of endpin properties

 Shintaro Sakai, Toshiya Samejima (44 巻 3 号)
- 23. Numerical method for analyzing steady-state oscillation in trumpets

Tokihiko Kaburagi, Chiho Kuroki, Shunsuke Hidaka, Satoshi Ishikawa (44 卷 3 号)

- 24. Vibration analysis of a bowed string involving dynamics of a soundbox and neck and its application to a Chinese traditional bowed string instrument "Erhu"

 Toshiya Samejima (44 巻 3 号)
- 25. Physical modeling of Japanese temple bells using thin cylindrical shells involving dynamics of clappers Shumoku

Yuya Oguchi, Toshiya Samejima (44 巻 3 号)

26. An isotropic sound field model composed of a finite number of plane waves Tatsuhiro Tanaka, Makoto Otani (44 巻 4 号) 27. Physical modeling and sound synthesis of the hi-hat Shu Sekiguchi, Toshiya Samejima (44 巻 5 号) 28. Angular resolution of radiation characteristics required to reproduce uttered speech in all three-dimensional directions Takehiro Sugimoto, Kotaro Kinoshita (44 巻 5 号) 29. Hearing deficits and adaptation for those with unilateral hearing loss under reverberation Shinya Tsuji, Takayuki Arai (44 巻 6 号) 30. Non-destructive testing of metal plates by guided wave propagation image using scanning sound source technique and airborne ultrasound phased array with suppressed grating lobe generation Kyosuke Shimizu, Ayumu Osumi, Youichi Ito (44 巻 6 号) 31. Japanese and Korean speakers' perceptual boundary and discrimination sensitivity of Japanese fricative /s/ and affricate Kimiko Yamakawa, Shigeaki Amano (45 巻 1 号) /ts/ 32. Contributions of temporal envelope and temporal fine structure to segregation of Lombard speech from background noise Shunsuke Tamura, Mitsunori Mizumachi (45 巻 1 号) 33. Time-domain extended-reaction microperforated panel sound absorber modeling for acoustics simulation by finite element method Takumi Yoshida, Takeshi Okuzono, Kimihiro Sakagami (45 巻 2 号) 34. Method of predicting road traffic noise around small-scale roundabouts in Japan Ken Anai, Takatoshi Yokota, Toshio Matsumoto (45 巻 2 号) 35. Precedence effect for a lagging sound from oblique direction Haruko Nakasuji, Makoto Otani (45 巻 2 号) 36. Method for analyzing sound pressure and sound particle velocity using cardioid microphones Toshiki Hanyu, Kazuma Hoshi (45 巻 2 号) 37. Estimation of instantaneous sound intensity field using a dense microphone array Takahiro Iwami, Akira Omoto (45 巻 2 号) 38. Revision of Sabine's reverberation theory by following a different approach to Eyring's theory Toshiki Hanyu (45 巻 3 号) 39. State estimation for road traffic noise by using Bayesian filter based on fuzzy observation Akira Ikuta, Hisako Orimoto (45 巻 3 号) 40. Acoustic differences between laughter and screams in spontaneous dialog Takuto Matsuda, Yoshiko Arimoto (45 巻 3 号) 41. Microslit-embedded acoustic metasurface for bandpass filter shaped sound absorption Takeshi Okuzono (45 巻 3 号) 42. Three-dimensional numerical investigation on propagation characteristics of road traffic noise from an embankment road: Construction of correction formula for the effect of side slope angle Yosuke Yasuda, Seiya Nishimura, Yu Kamiya, Makoto Morinaga (45 巻 4 号) 43. Multi-setting acoustic feature training for data augmentation of speech recognition Sei Ueno, Akinobu Lee (45 巻 4 号) 44. Reexamination of the favorable reverberation time of concert halls measured in a 3D synthesized sound field Takayuki Hidaka, Noriko Nishihara, Kazunori Suzuki, Takehiko Nakagawa (45 巻 4 号) 45. Sound absorbing characteristics of granular materials with elastic modulus varying along gravitational direction for vertical and horizontal sound propagations Takumasa Tsuruha, Makoto Otani, Yasushi Takano (45 巻 5 号) 46. Directionally characterized pseudo-perfect diffuseness: A detailed comparison of its theoretical formulations Tatsuhiro Tanaka, Makoto Otani (45 巻 5 号)