

Sheng Li

List of Publications by Year in descending order

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71
all docs

71
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71
times ranked

417
citing authors

#	ARTICLE	IF	CITATIONS
1	Signal Anomaly Detection of Bridge SHM System Based on Two-Stage Deep Convolutional Neural Networks. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2023, 33, 74-83.	0.8	5
2	Improving low-resource Tibetan end-to-end ASR by multilingual and multilevel unit modeling. Eurasip Journal on Audio, Speech, and Music Processing, 2022, 2022, .	2.1	5
3	SpecMNet: Spectrum mend network for monaural speech enhancement. Applied Acoustics, 2022, 194, 108792.	3.3	4
4	Cross-Lingual Transfer Learning for End-to-End Speech Translation. Journal of Natural Language Processing, 2022, 29, 611-637.	0.2	0
5	Mechanical and dynamic properties of V2O5-TeO2-P2O5 glasses. Journal of Alloys and Compounds, 2021, 863, 158074.	5.5	8
6	Dielectric and thermal properties of aluminoborosilicate glasses doped with mixed rare-earth oxides. Journal of Non-Crystalline Solids, 2021, 556, 120550.	3.1	11
7	Lateral positioning of vibration source for underground pipeline monitoring based on ultra-weak fiber Bragg grating sensing array. Measurement: Journal of the International Measurement Confederation, 2021, 172, 108892.	5.0	21
8	Robust Voice Activity Detection Using a Masked Auditory Encoder Based Convolutional Neural Network. , 2021, , .		2
9	An Investigation of Using Hybrid Modeling Units for Improving End-to-End Speech Recognition System. , 2021, , .		4
10	Encoder-Decoder Based Pitch Tracking and Joint Model Training for Mandarin Tone Classification. , 2021, , .		3
11	Real-time monitoring method for unauthorized working activities above the subway tunnel based on ultra-weak fiber Bragg grating vibration sensing array. Measurement: Journal of the International Measurement Confederation, 2021, 182, 109744.	5.0	12
12	Speech Dereverberation Based on Scale-Aware Mean Square Error Loss. Communications in Computer and Information Science, 2021, , 55-63.	0.5	0
13	Khmer Speech Translation Corpus of the Extraordinary Chambers in the Courts of Cambodia (ECCC). , 2021, , .		4
14	Voice-Indistinguishability: Protecting Voiceprint In Privacy-Preserving Speech Data Release. , 2020, , .		11
15	Knowledge Distillation-Based Representation Learning for Short-Utterance Spoken Language Identification. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 2674-2683.	5.8	16
16	End-to-End Articulatory Modeling for Dysarthric Articulatory Attribute Detection. , 2020, , .		9
17	Spectrograms Fusion with Minimum Difference Masks Estimation for Monaural Speech Dereverberation. , 2020, , .		7
18	Classifying Tunnel Anomalies Based on Ultraweak FBGs Signal and Transductive RVM Combined With Gaussian Mixture Model. IEEE Sensors Journal, 2020, 20, 6012-6019.	4.7	9

#	ARTICLE	IF	CITATIONS
19	Combining SDAE Network with Improved DTW Algorithm for Similarity Measure of Ultra-Weak FBG Vibration Responses in Underground Structures. <i>Sensors</i> , 2020, 20, 2179.	3.8	7
20	Automatic Speech Recognition. <i>SpringerBriefs in Computer Science</i> , 2020, , 21-38.	0.2	10
21	Investigation of Effectively Synthesizing Code-Switched Speech Using Highly Imbalanced Mix-Lingual Data. <i>Lecture Notes in Computer Science</i> , 2020, , 36-47.	1.3	1
22	Voice-Indistinguishability – Protecting Voiceprint with Differential Privacy under an Untrusted Server. , 2020, , .		6
23	VOIS: The First Speech Therapy App Specifically Designed for Myanmar Hearing-Impaired Children. , 2020, , .		3
24	Interactive Learning of Teacher-student Model for Short Utterance Spoken Language Identification. , 2019, , .		6
25	Effect of SnO ₂ on the structure and chemical durability of the glass prepared by red mud. <i>Journal of Non-Crystalline Solids</i> , 2019, 509, 54-59.	3.1	14
26	Multi-lingual Transformer Training for Khmer Automatic Speech Recognition. , 2019, , .		3
27	Effective Training End-to-End ASR systems for Low-resource Lhasa Dialect of Tibetan Language. , 2019, , .		4
28	Effects of Y ₂ O ₃ on structure and dielectric properties of aluminoborosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2019, 503-504, 110-114.	3.1	30
29	Preparation of graphene-glass fiber-resin composites and its electromagnetic shielding performance. <i>Composite Interfaces</i> , 2018, 25, 883-900.	2.3	30
30	Effect of rare-earth oxides on structure and chemical resistance of calcium aluminophosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 491, 71-78.	3.1	14
31	Properties of Aluminosilicate Glasses Prepared by Red Mud with Various [Al ₂ O ₃]/[CaO] Mass Ratios. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 363-367.	1.0	3
32	Effects of alkali metal oxides on crystallization behavior and acid corrosion resistance of cordierite-based glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2018, 481, 184-190.	3.1	32
33	Improving Very Deep Time-Delay Neural Network With Vertical-Attention For Effectively Training CTC-Based ASR Systems. , 2018, , .		2
34	CTC Loss Function with a Unit-Level Ambiguity Penalty. , 2018, , .		2
35	An Investigation of a Knowledge Distillation Method for CTC Acoustic Models. , 2018, , .		31
36	Effect of Y ₂ O ₃ and La ₂ O ₃ on structure and dielectric properties of aluminoborosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 496, 1-5.	3.1	26

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37	Influences of ZnO on the chemical durability and thermal stability of calcium iron phosphate glasses. Journal of Non-Crystalline Solids, 2018, 498, 228-235.	3.1	13
38	Semi-supervised ensemble DNN acoustic model training. , 2017, , .		8
39	Incremental training and constructing the very deep convolutional residual network acoustic models. , 2017, , .		1
40	Data selection from multiple ASR systems' hypotheses for unsupervised acoustic model training. , 2016, , .		3
41	Local structure characterization and thermal properties of P2O5MgO Na2O Li2O glasses doped with SiO2. Journal of Molecular Structure, 2016, 1118, 42-47.	3.6	8
42	Effects of barium oxide on structure and properties of calcium iron phosphate glasses. Journal of Non-Crystalline Solids, 2016, 450, 87-94.	3.1	17
43	Effect of different Ca/La ratio on structure and properties of Alâ€“Bâ€“Si glass with low dielectric constant. Journal of Materials Science: Materials in Electronics, 2016, 27, 9821-9827.	2.2	7
44	Confidence estimation for speech recognition systems using conditional random fields trained with partially annotated data. , 2016, , .		0
45	Semi-Supervised Acoustic Model Training by Discriminative Data Selection From Multiple ASR Systemsâ€™ Hypotheses. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 1524-1534.	5.8	8
46	Effects of alkaline-earth metal oxides on structure and properties of iron phosphate glasses. Journal of Non-Crystalline Solids, 2016, 434, 108-114.	3.1	19
47	Automatic Lecture Transcription Based on Discriminative Data Selection for Lightly Supervised Acoustic Model Training. IEICE Transactions on Information and Systems, 2015, E98.D, 1545-1552.	0.7	0
48	Effect of B2O3 on Structure and Properties of CaOâ€“MgOâ€“B2O3â€“Al2O3â€“SiO2 Glasses. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 816-822.	3.7	43
49	Structure and properties of zinc aluminophosphate glasses and those doped with zirconium dioxide. Journal of Non-Crystalline Solids, 2015, 419, 45-50.	3.1	14
50	A Novel Conversion Process for Waste Slag: The Preparation of Aluminosilicate Glass with Evaluation of the Dielectric Properties from Blast Furnace Slag. Jom, 2015, 67, 2754-2758.	1.9	1
51	Corpus and transcription system of Chinese Lecture Room. , 2014, , .		6
52	Phoneme-level articulatory animation in pronunciation training. Speech Communication, 2012, 54, 845-856.	2.8	39
53	The Phoneme-Level Articulator Dynamics for Pronunciation Animation. , 2011, , .		4
54	IELS: A computer assisted pronunciation training system for undergraduate students. , 2010, , .		0

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55	End-to-End Speech Separation Using Orthogonal Representation in Complex and Real Time-Frequency Domain. , 0, , .		5
56	An End-to-End Dialect Identification System with Transfer Learning from a Multilingual Automatic Speech Recognition Model. , 0, , .		6
57	Conditional Generative Adversarial Nets Classifier for Spoken Language Identification. , 0, , .		20
58	Improving CTC-based Acoustic Model with Very Deep Residual Time-delay Neural Networks. , 0, , .		4
59	Feature Representation of Short Utterances Based on Knowledge Distillation for Spoken Language Identification. , 0, , .		11
60	Temporal Attentive Pooling for Acoustic Event Detection. , 0, , .		5
61	Cross linguistic comparison of Mandarin and English EMA articulatory data. , 0, , .		9
62	Improving Transformer-Based Speech Recognition Systems with Compressed Structure and Speech Attributes Augmentation. , 0, , .		21
63	End-to-End Articulatory Attribute Modeling for Low-Resource Multilingual Speech Recognition. , 0, , .		7
64	Class-Wise Centroid Distance Metric Learning for Acoustic Event Detection. , 0, , .		1
65	Investigating Radical-Based End-to-End Speech Recognition Systems for Chinese Dialects and Japanese. , 0, , .		4
66	Staged Knowledge Distillation for End-to-End Dysarthric Speech Recognition and Speech Attribute Transcription. , 0, , .		8
67	Singing Voice Extraction with Attention-Based Spectrograms Fusion. , 0, , .		3
68	Compensation on x-vector for Short Utterance Spoken Language Identification. , 0, , .		2
69	Joint Training End-to-End Speech Recognition Systems with Speaker Attributes. , 0, , .		0