Sheng Li

List of Publications by Year
in descending order

69 papers	652 citations	687363 13 h-index	752698 20 g-index
71 all docs	71 docs citations	71 times ranked	417 citing authors

#	Article	IF	Citations
1	Effect of B2O3 on Structure and Properties of CaO–MgO–B2O3–Al2O3–SiO2 Glasses. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 816-822.	3.7	43
2	Phoneme-level articulatory animation in pronunciation training. Speech Communication, 2012, 54, 845-856.	2.8	39
3	Effects of alkali metal oxides on crystallization behavior and acid corrosion resistance of cordierite-based glass-ceramics. Journal of Non-Crystalline Solids, 2018, 481, 184-190.	3.1	32
4	An Investigation of a Knowledge Distillation Method for CTC Acoustic Models. , 2018, , .		31
5	Preparation of graphene-glass fiber-resin composites and its electromagnetic shielding performance. Composite Interfaces, 2018, 25, 883-900.	2.3	30
6	Effects of Y2O3 on structure and dielectric properties of aluminoborosilicate glasses. Journal of Non-Crystalline Solids, 2019, 503-504, 110-114.	3.1	30
7	Effect of Y 2 O 3 and La 2 O 3 on structure and dielectric properties of aluminoborosilicate glasses. Journal of Non-Crystalline Solids, 2018, 496, 1-5.	3.1	26
8	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
9	Improving Transformer-Based Speech Recognition Systems with Compressed Structure and Speech Attributes Augmentation. , 0, , .		21
10	Conditional Generative Adversarial Nets Classifier for Spoken Language Identification. , 0, , .		20
11	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
12	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
13	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
14	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
15	Effect of rare-earth oxides on structure and chemical resistance of calcium aluminophosphate glasses. Journal of Non-Crystalline Solids, 2018, 491, 71-78.	3.1	14
16	Effect of SnO2 on the structure and chemical durability of the glass prepared by red mud. Journal of Non-Crystalline Solids, 2019, 509, 54-59.	3.1	14
17	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
18	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

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19	Voice-Indistinguishability: Protecting Voiceprint In Privacy-Preserving Speech Data Release. , 2020, , .		11
20	Dielectric and thermal properties of aluminoborosilicate glasses doped with mixed rare-earth oxides. Journal of Non-Crystalline Solids, 2021, 556, 120550.	3.1	11
21	Feature Representation of Short Utterances Based on Knowledge Distillation for Spoken Language Identification. , 0, , .		11
22	Automatic Speech Recognition. SpringerBriefs in Computer Science, 2020, , 21-38.	0.2	10
23	End-to-End Articulatory Modeling for Dysarthric Articulatory Attribute Detection. , 2020, , .		9
24	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
25	Cross linguistic comparison of Mandarin and English EMA articulatory data. , 0, , .		9
26	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
27	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
28	Semi-supervised ensemble DNN acoustic model training. , 2017, , .		8
29	Mechanical and dynamic properties of V2O5-TeO2-P2O5 glasses. Journal of Alloys and Compounds, 2021, 863, 158074.	5.5	8
30	Staged Knowledge Distillation for End-to-End Dysarthric Speech Recognition and Speech Attribute Transcription. , 0, , .		8
31	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
32	Spectrograms Fusion with Minimum Difference Masks Estimation for Monaural Speech Dereverberation. , 2020, , .		7
33	Combining SDAE Network with Improved DTW Algorithm for Similarity Measure of Ultra-Weak FBG Vibration Responses in Underground Structures. Sensors, 2020, 20, 2179.	3.8	7
34	End-to-End Articulatory Attribute Modeling for Low-Resource Multilingual Speech Recognition. , 0, , .		7
35	Corpus and transcription system of Chinese Lecture Room. , 2014, , .		6
36	Interactive Learning of Teacher-student Model for Short Utterance Spoken Language Identification. , 2019, , .		6

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37	An End-to-End Dialect Identification System with Transfer Learning from a Multilingual Automatic Speech Recognition Model. , 0, , .		6
38	Voice-Indistinguishability -- Protecting Voiceprint with Differential Privacy under an Untrusted Server. , 2020, , .		6
39	End-to-End Speech Separation Using Orthogonal Representation in Complex and Real Time-Frequency Domain. , 0, , .		5
40	Temporal Attentive Pooling for Acoustic Event Detection. , 0, , .		5
41	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
42	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
43	The Phoneme-Level Articulator Dynamics for Pronunciation Animation. , 2011, , .		4
44	Effective Training End-to-End ASR systems for Low-resource Lhasa Dialect of Tibetan Language. , 2019, , .		4
45	An Investigation of Using Hybrid Modeling Units for Improving End-to-End Speech Recognition System. , 2021, , .		4
46	Improving CTC-based Acoustic Model with Very Deep Residual Time-delay Neural Networks. , 0, , .		4
47	Investigating Radical-Based End-to-End Speech Recognition Systems for Chinese Dialects and Japanese. , 0, , .		4
48	Khmer Speech Translation Corpus of the Extraordinary Chambers in the Courts of Cambodia (ECCC). , 2021, , .		4
49	SpecMNet: Spectrum mend network for monaural speech enhancement. Applied Acoustics, 2022, 194, 108792.	3.3	4
50	Data selection from multiple ASR systems' hypotheses for unsupervised acoustic model training. , 2016, , .		3
51	Properties of Aluminosilicate Glasses Prepared by Red Mud with Various [Al2O3]/[CaO] Mass Ratios. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 363-367.	1.0	3
52	Multi-lingual Transformer Training for Khmer Automatic Speech Recognition. , 2019, , .		3
53	Encoder-Decoder Based Pitch Tracking and Joint Model Training for Mandarin Tone Classification. , 2021, , .		3
54	Singing Voice Extraction with Attention-Based Spectrograms Fusion. , 0, , .		3

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55	VOIS: The First Speech Therapy App Specifically Designed for Myanmar Hearing-Impaired Children. , 2020, , .		3
56	Improving Very Deep Time-Delay Neural Network With Vertical-Attention For Effectively Training CTC-Based ASR Systems. , 2018, , .		2
57	CTC Loss Function with a Unit-Level Ambiguity Penalty. , 2018, , .		2
58	Robust Voice Activity Detection Using a Masked Auditory Encoder Based Convolutional Neural Network. , 2021, , .		2
59	Compensation on x-vector for Short Utterance Spoken Language Identification. , 0, , .		2
60	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
61	Incremental training and constructing the very deep convolutional residual network acoustic models. , 2017, , .		1
62	Class-Wise Centroid Distance Metric Learning for Acoustic Event Detection. , 0, , .		1
63	Investigation of Effectively Synthesizing Code-Switched Speech Using Highly Imbalanced Mix-Lingual Data. Lecture Notes in Computer Science, 2020, , 36-47.	1.3	1
64	IELS: A computer assisted pronunciation training system for undergraduate students. , 2010, , .		0
65	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
66	Confidence estimation for speech recognition systems using conditional random fields trained with partially annotated data. , 2016, , .		0
67	Joint Training End-to-End Speech Recognition Systems with Speaker Attributes. , 0, , .		0
68	Speech Dereverberation Based onÂScale-Aware Mean Square Error Loss. Communications in Computer and Information Science, 2021, , 55-63.	0.5	0
69	Cross-Lingual Transfer Learning for End-to-End Speech Translation. Journal of Natural Language Processing, 2022, 29, 611-637.	0.2	0