Lei Xie

List of Publications by Year
in descending order

217 papers	4,834 citations	109321 35 h-index	168389 53 g-index
223 all docs	223 docs citations	223 times ranked	3132 citing authors

#	Article	IF	Citations
1	Measuring Forces and Spatiotemporal Evolution of Thin Water Films between an Air Bubble and Solid Surfaces of Different Hydrophobicity. ACS Nano, 2015, 9, 95-104.	14.6	164
2	Interaction Mechanism of Oil-in-Water Emulsions with Asphaltenes Determined Using Droplet Probe AFM. Langmuir, 2016, 32, 2302-2310.	3.5	124
3	Surface Interaction of Water-in-Oil Emulsion Droplets with Interfacially Active Asphaltenes. Langmuir, 2017, 33, 1265-1274.	3.5	110
4	An unsupervised deep domain adaptation approach for robust speech recognition. Neurocomputing, 2017, 257, 79-87.	5.9	110
5	Long‐Range Hydrophilic Attraction between Water and Polyelectrolyte Surfaces in Oil. Angewandte Chemie - International Edition, 2016, 55, 15017-15021.	13.8	103
6	A deep learning framework for high-throughput mechanism-driven phenotype compound screening and its application to COVID-19 drug repurposing. Nature Machine Intelligence, 2021, 3, 247-257.	16.0	100
7	Surface Forces and Interaction Mechanisms of Emulsion Drops and Gas Bubbles in Complex Fluids. Langmuir, 2017, 33, 3911-3925.	3.5	98
8	Environmental Activism, Social Networks and the Internet. China Quarterly, 2009, 198, 422-432.	0.7	90
9	Probing the Interaction between Air Bubble and Sphalerite Mineral Surface Using Atomic Force Microscope. Langmuir, 2015, 31, 2438-2446.	3.5	90
10	TranSynergy: Mechanism-driven interpretable deep neural network for the synergistic prediction and pathway deconvolution of drug combinations. PLoS Computational Biology, 2021, 17, e1008653.	3.2	81
11	Multi-Band Melgan: Faster Waveform Generation For High-Quality Text-To-Speech. , 2021, , .		76
12	Photo-real talking head with deep bidirectional LSTM. , 2015, , .		71
13	Probing the interactions of hydroxamic acid and mineral surfaces: Molecular mechanism underlying the selective separation. Chemical Engineering Journal, 2019, 374, 123-132.	12.7	68
14	Interaction Mechanisms between Air Bubble and Molybdenite Surface: Impact of Solution Salinity and Polymer Adsorption. Langmuir, 2017, 33, 2353-2361.	3.5	67
15	Probing Anisotropic Surface Properties and Surface Forces of Fluorite Crystals. Langmuir, 2018, 34, 2511-2521.	3.5	67
16	Novel Fe3O4 based superhydrophilic core-shell microspheres for breaking asphaltenes-stabilized water-in-oil emulsion. Chemical Engineering Journal, 2019, 358, 869-877.	12.7	67
17	A two-step flocculation process on oil sands tailings treatment using oppositely charged polymer flocculants. Science of the Total Environment, 2016, 565, 369-375.	8.0	66
18	A wet adhesion strategy *via* synergistic cation‐π and hydrogen bonding interactions of antifouling zwitterions and mussel-inspired binding moieties. Journal of Materials Chemistry A, 2019, 7, 21944-21952.	10.3	66

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19	Probing Interactions between Air Bubble and Hydrophobic Polymer Surface: Impact of Solution Salinity and Interfacial Nanobubbles. Langmuir, 2016, 32, 11236-11244.	3.5	63
20	Modulation of Hydrophobic Interaction by Mediating Surface Nanoscale Structure and Chemistry, not Monotonically by Hydrophobicity. Angewandte Chemie - International Edition, 2018, 57, 11903-11908.	13.8	62
21	Probing Anisotropic Surface Properties and Interaction Forces of Chrysotile Rods by Atomic Force Microscopy and Rheology. Langmuir, 2014, 30, 10809-10817.	3.5	60
22	Attention-based End-to-End Models for Small-Footprint Keyword Spotting. , 0, , .		60
23	Mapping the Nanoscale Heterogeneity of Surface Hydrophobicity on the Sphalerite Mineral. Journal of Physical Chemistry C, 2017, 121, 5620-5628.	3.1	55
24	Time Domain Audio Visual Speech Separation. , 2019, , .		55
25	Domain Adversarial Training for Accented Speech Recognition. , 2018, , .		51
26	Probing the interaction mechanism between oil droplets with asphaltenes and solid surfaces using AFM. Journal of Colloid and Interface Science, 2020, 558, 173-181.	9.4	51
27	Probing the intermolecular interaction mechanisms between humic acid and different substrates with implications for its adsorption and removal in water treatment. Water Research, 2020, 176, 115766.	11.3	50
28	Probing the Interaction Mechanism between Air Bubbles and Bitumen Surfaces in Aqueous Media Using Bubble Probe Atomic Force Microscopy. Langmuir, 2018, 34, 729-738.	3.5	49
29	Probing Surface Interactions of Electrochemically Active Galena Mineral Surface Using Atomic Force Microscopy. Journal of Physical Chemistry C, 2016, 120, 22433-22442.	3.1	48
30	Interactions between elemental selenium and hydrophilic/hydrophobic surfaces: Direct force measurements using AFM. Chemical Engineering Journal, 2016, 303, 646-654.	12.7	47
31	Recent Advances in the Quantification and Modulation of Hydrophobic Interactions for Interfacial Applications. Langmuir, 2020, 36, 2985-3003.	3.5	47
32	Surface interaction mechanisms in mineral flotation: Fundamentals, measurements, and perspectives. Advances in Colloid and Interface Science, 2021, 295, 102491.	14.7	47
33	Selective flotation separation of molybdenite and talc by humic substances. Minerals Engineering, 2018, 117, 34-41.	4.3	46
34	Environmental Movements and Political Opportunities: The Case of China. Social Movement Studies, 2010, 9, 51-68.	2.9	43
35	A deep bidirectional LSTM approach for video-realistic talking head. Multimedia Tools and Applications, 2016, 75, 5287-5309.	3.9	42
36	In situ probing the self-assembly of 3-hexyl-4-amino-1,2,4-triazole-5-thione on chalcopyrite surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 511, 285-293.	4.7	42

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37	Head motion synthesis from speech using deep neural networks. Multimedia Tools and Applications, 2015, 74, 9871-9888.	3.9	41
38	China's Environmental Activism in the Age of Globalization. Asian Politics and Policy, 2011, 3, 207-224.	0.9	40
39	Component Fusion: Learning Replaceable Language Model Component for End-to-end Speech Recognition System. , 2019, , .		40
40	Investigating End-to-end Speech Recognition for Mandarin-english Code-switching. , 2019, , .		39
41	Mechanistic Understanding of Asphaltene Surface Interactions in Aqueous Media. Energy & Fuels, 2017, 31, 3348-3357.	5.1	38
42	Effects of salinity on xanthate adsorption on sphalerite and bubble–sphalerite interactions. Minerals Engineering, 2015, 77, 34-41.	4.3	37
43	The Political Economy for Low-carbon Energy Transition in China: Towards a New Policy Paradigm?. New Political Economy, 2018, 23, 407-421.	4.4	37
44	Rational discovery of dual-indication multi-target PDE/Kinase inhibitor for precision anti-cancer therapy using structural systems pharmacology. PLoS Computational Biology, 2019, 15, e1006619.	3.2	37
45	Role of molecular architecture in the modulation of hydrophobic interactions. Current Opinion in Colloid and Interface Science, 2020, 47, 58-69.	7.4	36
46	Controllable Emotion Transfer For End-to-End Speech Synthesis. , 2021, , .		35
47	The development of renewable heating policy in the United Kingdom. Renewable Energy, 2015, 75, 733-744.	8.9	34
48	Espresso: A Fast End-to-End Neural Speech Recognition Toolkit. , 2019, , .		32
49	Nanomechanics of Lignin–Cellulase Interactions in Aqueous Solutions. Biomacromolecules, 2021, 22, 2033-2042.	5.4	32
50	Interfacial behavior and interaction mechanism of pentol/water interface stabilized with asphaltenes. Journal of Colloid and Interface Science, 2019, 553, 341-349.	9.4	31
51	Hetero-difunctional Reagent with Superior Flotation Performance to Chalcopyrite and the Associated Surface Interaction Mechanism. Langmuir, 2019, 35, 4353-4363.	3.5	31
52	Intermolecular and surface forces at solid/oil/water/gas interfaces in petroleum production. Journal of Colloid and Interface Science, 2019, 537, 505-519.	9.4	31
53	Novel sodium alginate-assisted MXene nanosheets for ultrahigh rejection of multiple cations and dyes. Journal of Colloid and Interface Science, 2020, 568, 36-45.	9.4	31
54	Understanding the stabilization mechanism of bitumen-coated fine solids in organic media from non-aqueous extraction of oil sands. Fuel, 2019, 242, 255-264.	6.4	30

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55	MsEmoTTS: Multi-Scale Emotion Transfer, Prediction, and Control for Emotional Speech Synthesis. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 853-864.	5.8	30
56	Pitch-density-based features and an SVM binary tree approach for multi-class audio classification in broadcast news. Multimedia Systems, 2011, 17, 101-112.	4.7	29
57	Anisotropic Polymer Adsorption on Molybdenite Basal and Edge Surfaces and Interaction Mechanism With Air Bubbles. Frontiers in Chemistry, 2018, 6, 361.	3.6	29
58	Probing effects of molecular-level heterogeneity of surface hydrophobicity on hydrophobic interactions in air/water/solid systems. Journal of Colloid and Interface Science, 2019, 557, 438-449.	9.4	29
59	A Dual-Responsive, Freezing-Tolerant Hydrogel Sensor and Related Thermal- and Strain-Sensitive Mechanisms. ACS Applied Polymer Materials, 2021, 3, 1479-1487.	4.4	29
60	Facile preparation of novel and active 2D nanosheets from non-layered and traditionally non-exfoliable earth-abundant materials. Journal of Materials Chemistry A, 2019, 7, 15411-15419.	10.3	28
61	WENETSPEECH: A 10000+ Hours Multi-Domain Mandarin Corpus for Speech Recognition. , 2022, , .		27
62	Environmental governance and public participation in rural China. China Information, 2016, 30, 188-208.	1.4	26
63	Probing the Effect of Salinity and pH on Surface Interactions between Air Bubbles and Hydrophobic Solids: Implications for Colloidal Assembly at Air/Water Interfaces. Chemistry - an Asian Journal, 2017, 12, 1568-1577.	3.3	26
64	Adversarial Examples for Improving End-to-end Attention-based Small-footprint Keyword Spotting. , 2019, , .		26
65	Training Augmentation with Adversarial Examples for Robust Speech Recognition. , 0, , .		26
66	Exemplar-based sparse representation of timbre and prosody for voice conversion. , 2016, , .		25
67	Octadecyltrichlorosilane Deposition on Mica Surfaces: Insights into the Interface Interaction Mechanism. Journal of Physical Chemistry B, 2017, 121, 3151-3161.	2.6	25
68	A Nanomechanical Study on Deciphering the Stickiness of SARS-CoV-2 on Inanimate Surfaces. ACS Applied Materials & Interfaces, 2020, 12, 58360-58368.	8.0	25
69	Topic modeling in multimedia: algorithms and applications. Soft Computing, 2015, 19, 1-2.	3.6	24
70	Probing the Interaction Mechanism between Benzohydroxamic Acid and Mineral Surface in the Presence of Pb^{2+} Ions by AFM Force Measurements and First-Principles Calculations. Langmuir, 2020, 36, 8199-8208.	3.5	24
71	Recent advances in bubble-based technologies: Underlying interaction mechanisms and applications. Applied Physics Reviews, 2021, 8, .	11.3	24
72	Investigating Generative Adversarial Networks Based Speech Dereverberation for Robust Speech Recognition. , 0, , .		24

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73	A New GAN-Based End-to-End TTS Training Algorithm. , 0, , .		24
74	Pre-Alignment Guided Attention for Improving Training Efficiency and Model Stability in End-to-End Speech Synthesis. IEEE Access, 2019, 7, 65955-65964.	4.2	23
75	On the localness modeling for the self-attention based end-to-end speech synthesis. Neural Networks, 2020, 125, 121-130.	5.9	23
76	Nanomechanical Insights into Versatile Polydopamine Wet Adhesive Interacting with Liquid-Infused and Solid Slippery Surfaces. ACS Applied Materials & Interfaces, 2021, 13, 6941-6950.	8.0	23
77	Uncovering the hydrophobic mechanism of a novel dithiocarbamate-hydroxamate surfactant towards galena. Chemical Engineering Science, 2021, 245, 116765.	3.8	23
78	Electrochemical investigation of the interactions of organic and inorganic depressants on basal and edge planes of molybdenite. Journal of Colloid and Interface Science, 2020, 570, 350-361.	9.4	22
79	Fine-Grained Emotion Strength Transfer, Control and Prediction for Emotional Speech Synthesis. , 2021, , .		22
80	Fundamental frequency modeling using wavelets for emotional voice conversion. , 2015, , .		21
81	Controlling Emotion Strength with Relative Attribute for End-to-End Speech Synthesis. , 2019, , .		20
82	Probing the Molecular Interactions and Lubrication Mechanisms of Purified Full-Length Recombinant Human Proteoglycan 4 (rhPRG4) and Hyaluronic Acid (HA). Biomacromolecules, 2019, 20, 1056-1067.	5.4	20
83	Investigating LSTM for punctuation prediction. , 2016, , .		19
84	Statistical parametric speech synthesis using generative adversarial networks under a multi-task learning framework. , 2017, , .		19
85	Can China lead in multilateral environmental negotiations? Internal politics, self-depiction, and Chinaâ€™s contribution in climate change regime and Mekong governance. Eurasian Geography and Economics, 2018, 59, 708-732.	2.6	18
86	Robust polymer nanofilms with bioengineering and environmental applications <i>via</i> facile and highly efficient covalent layer-by-layer assembly. Journal of Materials Chemistry B, 2018, 6, 3742-3750.	5.8	18
87	Adversarial Regularization for Attention Based End-to-End Robust Speech Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1826-1838.	5.8	18
88	Database of adverse events associated with drugs and drug combinations. Scientific Reports, 2019, 9, 20025.	3.3	18
89	Mismatched Diplomacy: Chinaâ€"India Water Relations Over the Gangesâ€"Brahmaputraâ€"Meghna River Basin. Journal of Contemporary China, 2018, 27, 32-46.	2.3	17
90	Interfacial ion specificity modulates hydrophobic interaction. Journal of Colloid and Interface Science, 2020, 578, 135-145.	9.4	16

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91	Cycle consistent network for end-to-end style transfer TTS training. Neural Networks, 2021, 140, 223-236.	5.9	16
92	Discovering salient prosodic cues and their interactions for automatic story segmentation in Mandarin broadcast news. Multimedia Systems, 2008, 14, 237-253.	4.7	15
93	Investigating neural network based query-by-example keyword spotting approach for personalized wake-up word detection in Mandarin Chinese. , 2016, , .		15
94	Pairwise learning using multi-lingual bottleneck features for low-resource query-by-example spoken term detection. , 2017, , .		15
95	Accent and Speaker Disentanglement in Many-to-many Voice Conversion. , 2021, , .		15
96	Acoustic TextTiling for story segmentation of spoken documents. , 2012, , .		14
97	A statistical parametric approach to video-realistic text-driven talking avatar. Multimedia Tools and Applications, 2014, 73, 377-396.	3.9	14
98	Language independent query-by-example spoken term detection using N-best phone sequences and partial matching. , 2015, , .		14
99	In-situ probing of electrochemical dissolution and surface properties of chalcopyrite with implications for the dissolution kinetics and passivation mechanism. Journal of Colloid and Interface Science, 2021, 584, 103-113.	9.4	14
100	Conversational End-to-End TTS for Voice Agents. , 2021, , .		14
101	Modeling Latent Topics and Temporal Distance for Story Segmentation of Broadcast News. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 112-123.	5.8	13
102	A Bidirectional LSTM Approach with Word Embeddings for Sentence Boundary Detection. Journal of Signal Processing Systems, 2018, 90, 1063-1075.	2.1	13
103	Learning Hierarchical Representations for Expressive Speaking Style in End-to-End Speech Synthesis. , 2019, , .		13
104	Cascade RNN-Transducer: Syllable Based Streaming On-Device Mandarin Speech Recognition with a Syllable-To-Character Converter. , 2021, , .		13
105	Broadcast News Story Segmentation Using Conditional Random Fields and Multimodal Features. IEICE Transactions on Information and Systems, 2012, E95.D, 1206-1215.	0.7	13
106	Subword Latent Semantic Analysis for Texttiling-Based Automatic Story Segmentation of Chinese Broadcast News. , 2008, , .		12
107	Multitask Feature Learning for Low-Resource Query-by-Example Spoken Term Detection. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 1329-1339.	10.8	12
108	A hybrid neural network hidden Markov model approach for automatic story segmentation. Journal of Ambient Intelligence and Humanized Computing, 2017, 8, 925-936.	4.9	12

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109	Region Proposal Network Based Small-Footprint Keyword Spotting. IEEE Signal Processing Letters, 2019, 26, 1471-1475.	3.6	12
110	DESNet: A Multi-Channel Network for Simultaneous Speech Dereverberation, Enhancement and Separation. , 2021, , .		12
111	Simplified Self-Attention for Transformer-Based end-to-end Speech Recognition. , 2021, , .		12
112	Wake Word Detection with Streaming Transformers. , 2021, , .		12
113	The Multi-Speaker Multi-Style Voice Cloning Challenge 2021. , 2021, , .		12
114	A bibliometric review of the water security concept in Central Asia. Environmental Research Letters, 2021, 16, 013001.	5.2	12
115	Improving data augmentation for low resource speech-to-text translation with diverse paraphrasing. Neural Networks, 2022, 148, 194-205.	5.9	12
116	Cross-Speaker Emotion Disentangling and Transfer for End-to-End Speech Synthesis. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 1448-1460.	5.8	12
117	Multi-Task Deep Residual Echo Suppression with Echo-Aware Loss. , 2022, , .		12
118	A bi-directional LSTM approach for polyphone disambiguation in Mandarin Chinese. , 2016, , .		11
119	Diplomatic water cooperation: the case of Sino-India dispute over Brahmaputra. International Environmental Agreements: Politics, Law and Economics, 2017, 17, 677-694.	2.9	11
120	Query-by-Example Speech Search Using Recurrent Neural Acoustic Word Embeddings With Temporal Context. IEEE Access, 2019, 7, 67656-67665.	4.2	11
121	Mining Effective Negative Training Samples for Keyword Spotting. , 2020, , .		11
122	The politics of securitization: China's competing security agendas and their impacts on securitizing shared rivers. Eurasian Geography and Economics, 2022, 63, 332-361.	2.6	11
123	Understanding the hetero-aggregation mechanism among sulfide and oxide mineral particles driven by bifunctional surfactants: Intensification flotation of oxide minerals. Minerals Engineering, 2021, 169, 106928.	4.3	11
124	The complete chloroplast genomes of three Hamamelidaceae species: Comparative and phylogenetic analyses. Ecology and Evolution, 2022, 12, e8637.	1.9	11
125	Multiple pedestrian tracking based on couple-states Markov chain with semantic topic learning for video surveillance. Soft Computing, 2015, 19, 85-97.	3.6	10
126	Novel multifunctional solid slippery surfaces with self-assembled fluorine-free small molecules. Chemical Engineering Journal, 2021, 404, 127064.	12.7	10

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127	Environmental Public Interest Litigation in China: A Critical Examination. Transnational Environmental Law, 2021, 10, 441-465.	1.0	10
128	Multimodal joint information processing in human machine interaction: recent advances. Multimedia Tools and Applications, 2014, 73, 267-271.	3.9	9
129	Improving Mandarin End-to-End Speech Synthesis by Self-Attention and Learnable Gaussian Bias. , 2019, , .		9
130	Noise-robust voice conversion with domain adversarial training. Neural Networks, 2022, 148, 74-84.	5.9	9
131	Chemical-induced gene expression ranking and its application to pancreatic cancer drug repurposing. Patterns, 2022, 3, 100441.	5.9	9
132	Online object tracking based on BLSTM-RNN with contextual-sequential labeling. Journal of Ambient Intelligence and Humanized Computing, 2017, 8, 861-870.	4.9	8
133	Enhancing Hybrid Self-attention Structure with Relative-position-aware Bias for Speech Synthesis. , 2019, , .		8
134	Virtual Adversarial Training for DS-CNN Based Small-Footprint Keyword Spotting. , 2019, , .		8
135	Exploring RNN-Transducer for Chinese speech recognition. , 2019, , .		8
136	Adversarial Feature Learning and Unsupervised Clustering Based Speech Synthesis for Found Data With Acoustic and Textual Noise. IEEE Signal Processing Letters, 2020, 27, 1730-1734.	3.6	8
137	Fast Query-by-example Speech Search using Attention-based Deep Binary Embeddings. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, , 1-1.	5.8	8
138	Time-Domain Neural Network Approach for Speech Bandwidth Extension. , 2020, , .		8
139	Optimizing Voice Conversion Network with Cycle Consistency Loss of Speaker Identity. , 2021, , .		8
140	Probing the Interactions between Pickering Emulsion Droplets Stabilized with pH-Responsive Nanoparticles. Journal of Physical Chemistry B, 2021, 125, 7320-7331.	2.6	8
141	Enriching Source Style Transfer in Recognition-Synthesis Based Non-Parallel Voice Conversion. , 0, , .		8
142	A tighter lower bound estimate for dynamic time warping. , 2013, , .		7
143	Topic segmentation on spoken documents using self-validated acoustic cuts. Soft Computing, 2015, 19, 47-59.	3.6	7
144	Improving Adversarial Neural Machine Translation for Morphologically Rich Language. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 417-426.	4.9	7

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145	Understanding the Interaction Mechanism between Elemental Selenium and Ferric Hydroxide in Wastewater Treatment. Industrial & Engineering Chemistry Research, 2020, 59, 6662-6671.	3.7	7
146	Urban Environmentalism and Activistsâ€² Networks in China: The Cases of Xiangfan and Shanghai. Conservation and Society, 2008, 6, 141.	0.8	7
147	Boundary and Context Aware Training for CIF-Based Non-Autoregressive End-to-End ASR. , 2021, , .		7
148	A two layered data association approach for ball tracking. , 2013, , .		6
149	Non-negative matrix factorization using stable alternating direction method of multipliers for source separation. , 2015, , .		6
150	Adversarial Training for Multi-domain Speaker Recognition. , 2021, , .		6
151	Multi-Level Transfer Learning from Near-Field to Far-Field Speaker Verification. , 0, , .		6
152	Measuring semantic similarity by contextualword connections in Chinese news story segmentation. , 2013, , .		5
153	Expressive talking avatar synthesis and animation. Multimedia Tools and Applications, 2015, 74, 9845-9848.	3.9	5
154	Learning distributed sentence representations for story segmentation. Signal Processing, 2018, 142, 403-411.	3.7	5
155	Domain Adversarial Training for Improving Keyword Spotting Performance of ESL Speech. , 2019, , .		5
156	A New Weighted Imputed Neighborhood-Regularized Tri-Factorization One-Class Collaborative Filtering Algorithm: Application to Target Gene Prediction of Transcription Factors. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 126-137.	3.0	5
157	The SLT 2021 Children Speech Recognition Challenge: Open Datasets, Rules and Baselines. , 2021, , .		5
158	Environmental Public Interest Litigation in China: Findings from 570 Court Cases Brought by NGOs, Public Prosecutors and Local Government. Journal of Environmental Law, 2022, 34, 53-81.	1.4	5
159	Improving Performance of Seen and Unseen Speech Style Transfer in End-to-End Neural TTS. , 0, , .		5
160	Disentangling Style and Speaker Attributes for TTS Style Transfer. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 646-658.	5.8	5
161	Two-stage streaming keyword detection and localization with multi-scale depthwise temporal convolution. Neural Networks, 2022, 150, 28-42.	5.9	5
162	Optimizing the Perceptual Quality of Time-Domain Speech Enhancement with Reinforcement Learning. Tsinghua Science and Technology, 2022, 27, 939-947.	6.1	5

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163	A Two-Stage Multi-Feature Integration Approach to Unsupervised Speaker Change Detection in Real-Time News Broadcasting. , 2008, , .		4
164	Multi-modal feature integration for story boundary detection in broadcast news. , 2010, , .		4
165	Sound image externalization for headphone based real-time 3D audio. Frontiers of Computer Science, 2017, 11, 419-428.	2.4	4
166	Guest Editorial: Advances in Deep Learning for Speech Processing. Journal of Signal Processing Systems, 2018, 90, 959-961.	2.1	4
167	Food safety, agro-industries, and China's international trade: A standard-based approach. China Information, 2018, 32, 400-422.	1.4	4
168	Probing the Self-Assembly and Nonlinear Friction Behavior of Confined Gold Nano-Particles. Langmuir, 2019, 35, 15701-15709.	3.5	4
169	Effective Wavenet Adaptation for Voice Conversion with Limited Data. , 2020, , .		4
170	Probing the In Situ Redox Behavior of Selenium on a Pyrite Surface by Scanning Electrochemical Microscopy. Journal of Physical Chemistry C, 2021, 125, 3018-3026.	3.1	4
171	Is the ecosystem approach effective in transboundary water systems: Central Asia as a case study?. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1542.	6.5	4
172	Effective and direct control of neural TTS prosody by removing interactions between different attributes. Neural Networks, 2021, 143, 250-260.	5.9	4
173	A Meta-Analysis Indicates Positive Correlation between Genetic Diversity and Species Diversity. Biology, 2021, 10, 1089.	2.8	4
174	Probing Hydrophobic Interactions between Polymer Surfaces and Air Bubbles or Oil Droplets: Effects of Molecular Weight and Surfactants. Langmuir, 2022, 38, 5257-5268.	3.5	4
175	Mismatch Between Specific and Genetic Diversity in an Evergreen Broadleaf Forest in Southeast China: A Study Case of 10.24 ha Forest Dynamics Plot of Huangshan. Frontiers in Plant Science, 2021, 12, 706006.	3.6	4
176	A robust hierarchical lip tracking approach for lipreading and audio visual speech recognition. , 0, , .		3
177	Noise robust features for speech/music discrimination in real-time telecommunication. , 2009, , .		3
178	Comprehensive comparison of the least mean square algorithm and the fast deconvolution algorithm for crosstalk cancellation. , 2012, , .		3
179	Numerical calculation of the head-related transfer functions with Chinese dummy head. , 2013, , .		3
180	Context-aware RNNLM Rescoring for Conversational Speech Recognition. , 2021, , .		3

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181	Multi-Channel Automatic Speech Recognition Using Deep Complex Unet. , 2021, , .		3
182	Duality Temporal-Channel-Frequency Attention Enhanced Speaker Representation Learning. , 2021, , .		3
183	Exploration of chemical space with partial labeled noisy student self-training and self-supervised graph embedding. BMC Bioinformatics, 2022, 23, 158.	2.6	3
184	Conversational Speech Recognition by Learning Conversation-Level Characteristics. , 2022, , .		3
185	Triseme decision trees in the continuous speech recognition system for a talking head. , 0, , .		2
186	Gaussian Mixture Models with Uncertain Parameters. , 2007, , .		2
187	A waveform representation framework for high-quality statistical parametric speech synthesis. , 2015, , .		2
188	When do institutions work? A comparison of two water disputes over the Ganges, Brahmaputra and Meghna river basins. Water Policy, 2018, 20, 308-322.	1.5	2
189	Controlling Expressivity using Input Codes in Neural Network based TTS. , 2018, , .		2
190	â€˜Just Sustainabilityâ€™ or Just Sustainability? Shanghaiâ€™s Failed Drive for Global Excellence. Society and Natural Resources, 2021, 34, 449-466.	1.9	2
191	Multiple fixed beamformers with a spacial Wiener-form postfilter for far-field speech recognition. , 2019, , .		2
192	Environmental Heterogeneity Affecting Community Assembly Patterns and Phylogenetic Diversity of Three Forest Communities at Mt. Huangshan, China. Forests, 2022, 13, 133.	2.1	2
193	Lip temporal pattern analysis for automatic visual speech recognition. , 0, , .		1
194	A hybrid virtual bass system with improved phase vocoder and high efficiency. , 2014, , .		1
195	Externalization improvement in a real-time binaural sound image rendering system. , 2015, , .		1
196	NestDE: generic parameters tuning for automatic story segmentation. Soft Computing, 2015, 19, 61-70.	3.6	1
197	Food Safety Standards and Market Regulations as Elements of CompetitionnCase Studies from China's International Trade. SSRN Electronic Journal, 0, , .	0.4	1
198	A Refined Query-by-Example Approach to Spoken-Term-Detection on ESL learnersâ€™ Speech. , 2018, , .		1

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