Alexander M Rush

List of Publications by Year
in descending order

67 papers	**7,559** citations	1478505 **6** h-index	1372567 **10** g-index
68 all docs	**68** docs citations	**68** times ranked	**3245** citing authors

#	Article	IF	Citations
1	GenNI: Human-AI Collaboration for Data-Backed Text Generation. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 1106-1116.	4.4	5
2	Template Filling with Generative Transformers. , 2021, , .		4
3	How many data points is a prompt worth?. , 2021, , .		32
4	Parameter-Efficient Transfer Learning with Diff Pruning. , 2021, , .		33
5	9.8 A 25mm^2 SoC for IoT Devices with 18ms Noise-Robust Speech-to-Text Latency via Bayesian Speech Denoising and Attention-Based Sequence-to-Sequence DNN Speech Recognition in 16nm FinFET. , 2021, , .		19
6	Low-Complexity Probing via Finding Subnetworks. , 2021, , .		4
7	Developmental Stage Classification of Embryos Using Two-Stream Neural Network with Linear-Chain Conditional Random Field. Lecture Notes in Computer Science, 2021, 12908, 363-372.	1.3	4
8	GRIT: Generative Role-filler Transformers for Document-level Event Entity Extraction. , 2021, , .		18
9	EdgeBERT: Sentence-Level Energy Optimizations for Latency-Aware Multi-Task NLP Inference. , 2021, , .		26
10	SM6: A 16nm System-on-Chip for Accurate and Noise-Robust Attention-Based NLP Applications : The 33rd Hot Chips Symposium â€" August 22-24, 2021. , 2021, , .		0
11	Sequence-to-Lattice Models for Fast Translation. , 2021, , .		0
12	Block Pruning For Faster Transformers. , 2021, , .		19
13	Datasets: A Community Library for Natural Language Processing. , 2021, , .		40
14	Rationales for Sequential Predictions. , 2021, , .		0
15	LAN: A Materials Notation for Two-Dimensional Layered Assemblies. Journal of Chemical Information and Modeling, 2020, 60, 3457-3462.	5.4	7
16	Torch-Struct: Deep Structured Prediction Library. , 2020, , .		22
17	Posterior Control of Blackbox Generation. , 2020, , .		8
18	Transformers: State-of-the-Art Natural Language Processing. , 2020, , .		2,035

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19	Improving Event Duration Prediction via Time-aware Pre-training. , 2020, , .		2
20	Sequence-Level Mixed Sample Data Augmentation. , 2020, , .		21
21	What is Learned in Visually Grounded Neural Syntax Acquisition. , 2020, , .		7
22	Adversarial Semantic Collisions. , 2020, , .		10
23	Scaling Hidden Markov Language Models. , 2020, , .		10
24	Algorithm-Hardware Co-Design of Adaptive Floating-Point Encodings for Resilient Deep Learning Inference. , 2020, , .		22
25	Visual Interaction with Deep Learning Models through Collaborative Semantic Inference. IEEE Transactions on Visualization and Computer Graphics, 2019, 26, 1-1.	4.4	26
26	MASR: A Modular Accelerator for Sparse RNNs. , 2019, , .		30
27	Seq2seq-Vis: A Visual Debugging Tool for Sequence-to-Sequence Models. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 353-363.	4.4	142
28	Commonsense Knowledge Mining from Pretrained Models. , 2019, , .		102
29	Neural Linguistic Steganography. , 2019, , .		43
30	Unsupervised Recurrent Neural Network Grammars. , 2019, , .		50
31	Don't Take the Premise for Granted: Mitigating Artifacts in Natural Language Inference. , 2019, , .		23
32	Compound Probabilistic Context-Free Grammars for Grammar Induction. , 2019, , .		46
33	Simple Unsupervised Summarization by Contextual Matching. , 2019, , .		14
34	GLTR: Statistical Detection and Visualization of Generated Text. , 2019, , .		71
35	On Adversarial Removal of Hypothesis-only Bias in Natural Language Inference. , 2019, , .		25
36	Generating Abstractive Summaries with Finetuned Language Models. , 2019, , .		11

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37	LSTMVis: A Tool for Visual Analysis of Hidden State Dynamics in Recurrent Neural Networks. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 667-676.	4.4	199
38	Training for Diversity in Image Paragraph Captioning. , 2018, , .		29
39	Entity Tracking Improves Cloze-style Reading Comprehension. , 2018, , .		8
40	Learning Neural Templates for Text Generation. , 2018, , .		110
41	Bottom-Up Abstractive Summarization. , 2018, , .		364
42	OpenNMT System Description for WNMT 2018: 800 words/sec on a single-core CPU. , 2018, , .		32
43	Debugging Sequence-to-Sequence Models with Seq2Seq-Vis. , 2018, , .		7
44	End-to-End Content and Plan Selection for Data-to-Text Generation. , 2018, , .		37
45	Challenges in Data-to-Document Generation. , 2017, , .		254
46	Adapting Sequence Models for Sentence Correction. , 2017, , .		28
47	OpenNMT: Open-Source Toolkit for Neural Machine Translation. , 2017, , .		855
48	Coarse-to-Fine Attention Models for Document Summarization. , 2017, , .		17
49	Propagation of Gaussian Beams in the Presence of Gain and Loss. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 130-135.	2.9	5
50	Classical-quantum correspondence in bosonic two-mode conversion systems: Polynomial algebras and Kummer shapes. Physical Review A, 2016, 93, .	2.5	6
51	Sequence-to-Sequence Learning as Beam-Search Optimization. , 2016, , .		254
52	Sequence-Level Knowledge Distillation. , 2016, , .		230
53	An Embedding Model for Predicting Roll-Call Votes. , 2016, , .		15
54	Word Ordering Without Syntax. , 2016, , .		17

#	Article	IF	Citations
55	Abstractive Sentence Summarization with Attentive Recurrent Neural Networks. , 2016, , .		497
56	Learning Global Features for Coreference Resolution. , 2016, , .		93
57	Sentence-Level Grammatical Error Identification as Sequence-to-Sequence Correction. , 2016, , .		19
58	Antecedent Prediction Without a Pipeline. , 2016, , .		0
59	Semiclassical quantization for a bosonic atom-molecule conversion system. Physical Review A, 2015, 92, .	2.5	6
60	Classical and quantum dynamics in the (non-Hermitian) Swanson oscillator. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 055301.	2.1	21
61	A Neural Attention Model for Abstractive Sentence Summarization. , 2015, , .		1,403
62	Transforming Dependencies into Phrase Structures. , 2015, , .		13
63	Learning Anaphoricity and Antecedent Ranking Features for Coreference Resolution. , 2015, , .		79
64	A Constrained Viterbi Relaxation for Bidirectional Word Alignment. , 2014, , .		7
65	Power and data for a wireless implanted neural recording system. , 2011, , .		5
66	Electronic performance of a dual inductive link for a wireless neural recording implant. , 2011, 2011, 6348-51.		3
67	Dual inductive link coil design for a neural recording system. , 2011, 2011, 6397-400.		7