

Haitao Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4195089/publications.pdf>

Version: 2024-02-01

127
papers

3,031
citations

136950

32
h-index

206112

48
g-index

130
all docs

130
docs citations

130
times ranked

1672
citing authors

#	ARTICLE	IF	CITATIONS
1	Approaching human language with complex networks. <i>Physics of Life Reviews</i> , 2014, 11, 598-618.	2.8	158
2	Dependency distance: A new perspective on syntactic patterns in natural languages. <i>Physics of Life Reviews</i> , 2017, 21, 171-193.	2.8	158
3	The effects of sentence length on dependency distance, dependency direction and the implications—Based on a parallel English—Chinese dependency treebank. <i>Language Sciences</i> , 2015, 50, 93-104.	1.0	112
4	Dependency direction as a means of word-order typology: A method based on dependency treebanks. <i>Lingua</i> , 2010, 120, 1567-1578.	1.0	94
5	The complexity of Chinese syntactic dependency networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 3048-3058.	2.6	73
6	Language clustering with word co-occurrence networks based on parallel texts. <i>Science Bulletin</i> , 2013, 58, 1139-1144.	1.7	73
7	Conceptual design and dimensional synthesis of cam-linkage mechanisms for gait rehabilitation. <i>Mechanism and Machine Theory</i> , 2016, 104, 31-42.	4.5	64
8	Stiffness Modeling of Parallel Mechanisms at Limb and Joint/Link Levels. <i>IEEE Transactions on Robotics</i> , 2017, 33, 734-741.	10.3	64
9	Hysteresis modeling and trajectory tracking control of the pneumatic muscle actuator using modified Prandtl—Ishlinskii model. <i>Mechanism and Machine Theory</i> , 2018, 120, 213-224.	4.5	64
10	Photoreceptor cells produce inflammatory products that contribute to retinal vascular permeability in a mouse model of diabetes. <i>Diabetologia</i> , 2017, 60, 2111-2120.	6.3	63
11	Statistical properties of Chinese semantic networks. <i>Science Bulletin</i> , 2009, 54, 2781-2785.	9.0	62
12	Stiffness modeling and analysis of a novel 5-DOF hybrid robot. <i>Mechanism and Machine Theory</i> , 2018, 125, 80-93.	4.5	61
13	Kinematic Design of a 5-DOF Hybrid Robot with Large Workspace/Limb—Stroke Ratio. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2007, 129, 530-537.	2.9	57
14	Photoreceptor Cells Produce Inflammatory Mediators That Contribute to Endothelial Cell Death in Diabetes. , 2016, 57, 4264.		57
15	A General Approach for Geometric Error Modeling of Lower Mobility Parallel Manipulators. <i>Journal of Mechanisms and Robotics</i> , 2011, 3, .	2.2	54
16	Photobiomodulation Inhibits Long-term Structural and Functional Lesions of Diabetic Retinopathy. <i>Diabetes</i> , 2018, 67, 291-298.	0.6	52
17	Language clusters based on linguistic complex networks. <i>Science Bulletin</i> , 2010, 55, 3458-3465.	1.7	51
18	Diabetic Retinopathy: Retina—Specific Methods for Maintenance of Diabetic Rodents and Evaluation of Vascular Histopathology and Molecular Abnormalities. <i>Current Protocols in Mouse Biology</i> , 2015, 5, 247-270.	1.2	47

#	ARTICLE	IF	CITATIONS
19	The effects of genre on dependency distance and dependency direction. <i>Language Sciences</i> , 2017, 59, 135-147.	1.0	47
20	A generalized approach for computing the transmission index of parallel mechanisms. <i>Mechanism and Machine Theory</i> , 2014, 74, 245-256.	4.5	46
21	Stiffness Modeling of the Tricept Robot Using the Overall Jacobian Matrix. <i>Journal of Mechanisms and Robotics</i> , 2009, 1, .	2.2	45
22	Photobiomodulation Mitigates Diabetes-Induced Retinopathy by Direct and Indirect Mechanisms: Evidence from Intervention Studies in Pigmented Mice. <i>PLoS ONE</i> , 2015, 10, e0139003.	2.5	45
23	Retinylamine Benefits Early Diabetic Retinopathy in Mice. <i>Journal of Biological Chemistry</i> , 2015, 290, 21568-21579.	3.4	44
24	Successful induction of diabetes in mice demonstrates no gender difference in development of early diabetic retinopathy. <i>PLoS ONE</i> , 2020, 15, e0238727.	2.5	44
25	Continuous Friction Feedforward Sliding Mode Controller for a TriMule Hybrid Robot. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 1673-1683.	5.8	43
26	Compliance analysis of a 3-SPR parallel mechanism with consideration of gravity. <i>Mechanism and Machine Theory</i> , 2015, 84, 99-112.	4.5	42
27	Probability Distribution of Dependencies Based on a Chinese Dependency Treebank. <i>Journal of Quantitative Linguistics</i> , 2009, 16, 256-273.	1.2	41
28	Diabetes-mediated IL-17A enhances retinal inflammation, oxidative stress, and vascular permeability. <i>Cellular Immunology</i> , 2019, 341, 103921.	3.0	41
29	Increased LCN2 (lipocalin 2) in the RPE decreases autophagy and activates inflammasome-ferroptosis processes in a mouse model of dry AMD. <i>Autophagy</i> , 2023, 19, 92-111.	9.1	41
30	Can syntactic networks indicate morphological complexity of a language?. <i>Europhysics Letters</i> , 2011, 93, 28005.	2.0	39
31	Syntactic complexity development in the writings of EFL learners: Insights from a dependency syntactically-annotated corpus. <i>Journal of Second Language Writing</i> , 2019, 46, 100666.	3.0	39
32	What role does syntax play in a language network?. <i>Europhysics Letters</i> , 2008, 83, 18002.	2.0	37
33	Using a Chinese treebank to measure dependency distance. <i>Corpus Linguistics and Linguistic Theory</i> , 2009, 5, .	0.9	37
34	BNIP3L-mediated mitophagy is required for mitochondrial remodeling during the differentiation of optic nerve oligodendrocytes. <i>Autophagy</i> , 2021, 17, 3140-3159.	9.1	37
35	Is Trump always rambling like a fourth-grade student? An analysis of stylistic features of Donald Trump's political discourse during the 2016 election. <i>Discourse and Society</i> , 2018, 29, 299-323.	2.6	36
36	Dependency Distance Differences across Interpreting Types: Implications for Cognitive Demand. <i>Frontiers in Psychology</i> , 2017, 8, 2132.	2.1	35

#	ARTICLE	IF	CITATIONS
37	A simple and visually orientated approach for type synthesis of overconstrained 1T2R parallel mechanisms. <i>Robotica</i> , 2019, 37, 1161-1173.	1.9	35
38	Neutrophil elastase contributes to the pathological vascular permeability characteristic of diabetic retinopathy. <i>Diabetologia</i> , 2019, 62, 2365-2374.	6.3	35
39	Kinematic calibration of a 3-DOF spindle head using a double ball bar. <i>Mechanism and Machine Theory</i> , 2016, 102, 167-178.	4.5	31
40	Syntactic variations in Chineseâ€“English code-switching. <i>Lingua</i> , 2013, 123, 58-73.	1.0	30
41	Can chunking reduce syntactic complexity of natural languages?. <i>Complexity</i> , 2016, 21, 33-41.	1.6	30
42	Force/motion transmissibility analyses of redundantly actuated and overconstrained parallel manipulators. <i>Mechanism and Machine Theory</i> , 2017, 109, 126-138.	4.5	30
43	An approach for elastodynamic modeling of hybrid robots based on substructure synthesis technique. <i>Mechanism and Machine Theory</i> , 2018, 123, 124-136.	4.5	26
44	Nanomedicine platform for targeting activated neutrophils and neutrophilâ€“platelet complexes using an Î±1-antitrypsin-derived peptide motif. <i>Nature Nanotechnology</i> , 2022, 17, 1004-1014.	31.5	26
45	Choose Appropriate Subproblems for Collaborative Modeling in Expensive Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 483-496.	9.5	25
46	Metax and Early Stages of Diabetic Retinopathy. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 647-653.	3.3	24
47	Diabetes induces IL-17A-Act1-FADD-dependent retinal endothelial cell death and capillary degeneration. <i>Journal of Diabetes and Its Complications</i> , 2019, 33, 668-674.	2.3	24
48	The role of lipocalin-2 in age-related macular degeneration (AMD). <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 835-851.	5.4	23
49	Role of glia in optic nerve. <i>Progress in Retinal and Eye Research</i> , 2021, 81, 100886.	15.5	23
50	Chinese Syntactic and Typological Properties Based on Dependency Syntactic Treebanks. <i>Poznan Studies in Contemporary Linguistics</i> , 2009, 45, .	0.3	22
51	Quantitative Properties of English Verb Valency. <i>Journal of Quantitative Linguistics</i> , 2011, 18, 207-233.	1.2	22
52	How Does Word Length Evolve in Written Chinese?. <i>PLoS ONE</i> , 2015, 10, e0138567.	2.5	20
53	How to Measure Word Length in Spoken and Written Chinese. <i>Journal of Quantitative Linguistics</i> , 2016, 23, 5-29.	1.2	20
54	How does language change as a lexical network? An investigation based on written Chinese word co-occurrence networks. <i>PLoS ONE</i> , 2018, 13, e0192545.	2.5	20

#	ARTICLE	IF	CITATIONS
55	Language as a human-driven complex adaptive system. <i>Physics of Life Reviews</i> , 2018, 26-27, 149-151.	2.8	19
56	Synergetic Properties of Chinese Verb Valency. <i>Journal of Quantitative Linguistics</i> , 2014, 21, 1-21.	1.2	18
57	A Dual Space Approach for Force/Motion Transmissibility Analysis of Lower Mobility Parallel Manipulators. <i>Journal of Mechanisms and Robotics</i> , 2015, 7, .	2.2	18
58	Syntactic differences of adverbials and attributives in Chinese-English code-switching. <i>Language Sciences</i> , 2016, 55, 16-35.	1.0	18
59	Force analysis of an open TBM gripping“thrusting”regripping mechanism. <i>Mechanism and Machine Theory</i> , 2016, 98, 101-113.	4.5	17
60	Does Scale-Free Syntactic Network Emerge in Second Language Learning?. <i>Frontiers in Psychology</i> , 2019, 10, 925.	2.1	16
61	Statistical properties of Chinese phonemic networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 1370-1380.	2.6	15
62	An Approach for Acceleration Analysis of Lower Mobility Parallel Manipulators. <i>Journal of Mechanisms and Robotics</i> , 2011, 3, .	2.2	15
63	Interlanguage: a perspective of quantitative linguistic typology. <i>Language Sciences</i> , 2019, 74, 85-97.	1.0	15
64	Î²A3/A1-crystallin regulates apical polarity and EGFR endocytosis in retinal pigmented epithelial cells. <i>Communications Biology</i> , 2021, 4, 850.	4.4	13
65	Neutrophil-Derived Proteases Contribute to the Pathogenesis of Early Diabetic Retinopathy. , 2021, 62, 7.		12
66	Language is more a human-driven system than a semiotic system. <i>Physics of Life Reviews</i> , 2014, 11, 309-310.	2.8	11
67	An Approach for the Lightweight Design of a 3-SPR Parallel Mechanism. <i>Journal of Mechanisms and Robotics</i> , 2017, 9, .	2.2	11
68	Harmony in diversity: The language codes in English“Chinese poetry translation. <i>Digital Scholarship in the Humanities</i> , 2018, 33, 128-142.	0.7	11
69	Kinematic design of 5-DOF hybrid robot with large workspace/limb-stroke ratio. <i>Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering</i> , 2007, 43, 14.	0.5	11
70	Probability Distribution of Discourse Relations Based on a Chinese RST-annotated Corpus. <i>Journal of Quantitative Linguistics</i> , 2011, 18, 107-121.	1.2	10
71	Word Length Distribution in Mongolian. <i>Journal of Quantitative Linguistics</i> , 2014, 21, 123-152.	1.2	10
72	Chinese Writing of Deaf or Hard-of-Hearing Students and Normal-Hearing Peers from Complex Network Approach. <i>Frontiers in Psychology</i> , 2016, 7, 1777.	2.1	10

#	ARTICLE	IF	CITATIONS
73	An Approach for Computing the Transmission Index of Full Mobility Planar Multiloop Mechanisms. <i>Journal of Mechanisms and Robotics</i> , 2017, 9, .	2.2	10
74	Î²A1-crystallin regulates glucose metabolism and mitochondrial function in mouse retinal astrocytes by modulating PTP1B activity. <i>Communications Biology</i> , 2021, 4, 248.	4.4	10
75	Inverse dynamics and servomotor parameter estimation of a 2-DOF spherical parallel mechanism. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 288-301.	0.9	9
76	Quantitative typological analysis of Romance languages. <i>Poznan Studies in Contemporary Linguistics</i> , 2012, 48, .	0.3	9
77	How will text size influence the length of its linguistic constituents?. <i>Poznan Studies in Contemporary Linguistics</i> , 2017, 53, .	0.3	9
78	Large-Scale Heteroscedastic Regression via Gaussian Process. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 708-721.	11.3	9
79	Motives for Chinese script simplification. <i>Language Problems and Language Planning</i> , 2015, 39, 1-32.	0.6	8
80	Entropy in Different Text Types. <i>Digital Scholarship in the Humanities</i> , 0, , fqw008.	0.7	7
81	Visualizing structural “inverted pyramids” in English news discourse across levels. <i>Text and Talk</i> , 2016, 36, .	0.6	7
82	Calibrated and recalibrated expected improvements for Bayesian optimization. <i>Structural and Multidisciplinary Optimization</i> , 2021, 64, 3549-3567.	3.5	7
83	Scalable Gaussian Process Classification With Additive Noise for Non-Gaussian Likelihoods. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 5842-5854.	9.5	7
84	Quantitative Aspects of <i>Journal of Quantitative Linguistics</i> . <i>Journal of Quantitative Linguistics</i> , 2014, 21, 299-340.	1.2	6
85	Regulation of Adrenergic, Serotonin, and Dopamine Receptors to Inhibit Diabetic Retinopathy: Monotherapies versus Combination Therapies. <i>Molecular Pharmacology</i> , 2021, 100, 470-479.	2.3	6
86	Noun distribution in natural languages. <i>Poznan Studies in Contemporary Linguistics</i> , 2013, 49, .	0.3	5
87	Rhetorical relations revisited across distinct levels of discourse unit granularity. <i>Discourse Studies</i> , 2016, 18, 454-472.	1.3	5
88	Syntactic Complex Networks and Their Applications. <i>Understanding Complex Systems</i> , 2016, , 167-186.	0.6	5
89	Some quantitative aspects of written and spoken French based on syntactically annotated corpora. <i>Journal of French Language Studies</i> , 2020, 30, 355-380.	0.1	5
90	Quantitative analysis of Zamenhof’s Esenco kaj estonteco. <i>Language Problems and Language Planning</i> , 2011, 35, 57-81.	0.6	4

#	ARTICLE	IF	CITATIONS
91	The effects of length and complexity on constituent ordering in written English. <i>Poznan Studies in Contemporary Linguistics</i> , 2014, 50, .	0.3	4
92	Can familiarity lessen the effect of locality? A case study of Mandarin Chinese subjects and the following adverbials. <i>Poznan Studies in Contemporary Linguistics</i> , 2015, 51, .	0.3	4
93	Can Learning a Foreign Language Foster Analytic Thinking? Evidence from Chinese EFL Learners' Writings. <i>PLoS ONE</i> , 2016, 11, e0164448.	2.5	4
94	Function Nodes in Chinese Syntactic Networks. <i>Understanding Complex Systems</i> , 2016, , 187-201.	0.6	4
95	An automatic approach for identification of natural reciprocal screw systems of serial kinematic chains based on the invariance properties matrix. <i>Mechanism and Machine Theory</i> , 2017, 107, 352-368.	4.5	4
96	Word Length Distribution in Zhuang Language. <i>Journal of Quantitative Linguistics</i> , 0, , 1-28.	1.2	4
97	Clustering high-frequency financial time series based on information theory. <i>Applied Stochastic Models in Business and Industry</i> , 0, , .	1.5	4
98	Modulating scalable Gaussian processes for expressive statistical learning. <i>Pattern Recognition</i> , 2021, 120, 108121.	8.1	4
99	Motion Control of Pneumatic Muscle Actuator Using Fast Switching Valve. <i>Lecture Notes in Electrical Engineering</i> , 2017, , 1439-1451.	0.4	4
100	Analysis of 3-DOF Cutting Stability of Titanium Alloy Helical Milling Based on PKM and Machining Quality Optimization. <i>Machines</i> , 2022, 10, 404.	2.2	4
101	Language Problems and Language Planning. <i>Language Problems and Language Planning</i> , 2013, 37, 151-177.	0.6	3
102	Linguistic complex networks: Rationale, application, interpretation, and directions. <i>Physics of Life Reviews</i> , 2014, 11, 644-649.	2.8	3
103	Motifs in Reconstructed RST Discourse Trees. <i>Journal of Quantitative Linguistics</i> , 2017, 24, 107-127.	1.2	3
104	From planned language to language planning. <i>Language Problems and Language Planning</i> , 2017, 41, 265-286.	0.6	3
105	What factors are associated with dependency distances to ensure easy comprehension? A case study of ba sentences in Mandarin Chinese. <i>Language Sciences</i> , 2018, 67, 33-45.	1.0	3
106	Thematic Concentration as a Discriminating Feature of Text Types. <i>Journal of Quantitative Linguistics</i> , 2018, 25, 53-76.	1.2	3
107	Quantifying Evolution of Short and Long-Range Correlations in Chinese Narrative Texts across 2000 Years. <i>Complexity</i> , 2018, 2018, 1-12.	1.6	3
108	Bayesian Optimization Design of Inlet Volute for Supercritical Carbon Dioxide Radial-Flow Turbine. <i>Machines</i> , 2021, 9, 218.	2.2	3

#	ARTICLE	IF	CITATIONS
109	Scalable multi-task Gaussian processes with neural embedding of coregionalization. Knowledge-Based Systems, 2022, 247, 108775.	7.1	3
110	Association of affect with vertical position in L1 but not in L2 in unbalanced bilinguals. Frontiers in Psychology, 2015, 6, 693.	2.1	2
111	A discursive analytical path of appellate court opinions: evaluation of ideological positioning in Bush v. Gore 2000. Text and Talk, 2016, 36, .	0.6	2
112	Interrelations among Dependency Tree Widths, Heights and Sentence Lengths. , 2018, , 31-52.		2
113	Valency and English learners's™ thesauri. International Journal of Lexicography, 2019, 32, 326-361.	0.2	2
114	Do English noun phrases tend to minimize dependency distance?. Australian Journal of Linguistics, 2020, 40, 246-262.	0.4	2
115	Factors influencing dependency parsing of coordinating structure. , 2009, , .		1
116	Deep Latent-Variable Kernel Learning. IEEE Transactions on Cybernetics, 2022, 52, 10276-10289.	9.5	1
117	Development of an In-Pipe Robot with a Novel Differential Mechanism. Mechanisms and Machine Science, 2018, , 1079-1097.	0.5	1
118	Numerical investigation of aerodynamic load on the impellers of centrifugal compressor with leakage flow. International Journal of Fluid Machinery and Systems, 2020, 13, 409-424.	0.2	1
119	The Effect of Inflow Distortion on the Rotordynamic Characteristics of a 1400-MW Reactor Coolant Pump Annular Seal. Machines, 2022, 10, 65.	2.2	1
120	A study on disambiguation of structure “prep+n1+de+n2” for Chinese information processing. , 2010, , .		0
121	Theoretical probability of dependency structural trees. , 2011, , .		0
122	Statistical Analysis of Chinese Phonemic Contrast. Phonetica, 2012, 68, 201-214.	0.6	0
123	Macroscopic linguistic features of the Chinese writing of deaf individuals. British Journal of Special Education, 2017, 44, 313-340.	0.4	0
124	DDM at Work. Physics of Life Reviews, 2017, 21, 233-240.	2.8	0
125	Microscopic and macroscopic approaches to the mental representations of second languages. Behavioral and Brain Sciences, 2017, 40, e285.	0.7	0
126	Regular Dynamic Patterns of Verbal Valency Ellipsis in Modern Spoken Chinese. , 2018, , 101-118.		0

#	ARTICLE	IF	CITATIONS
127	Dynamic Valency and Dependency Distance. , 2018, , 145-166.		0