

# Yao Yao

## List of Publications by Year in descending order

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Version: 2024-02-01

124  
papers

4,804  
citations

126858

33  
h-index

110317

64  
g-index

130  
all docs

130  
docs citations

130  
times ranked

2908  
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the drivers of sustainable land expansion using a patch-generating land use simulation (PLUS) model: A case study in Wuhan, China. <i>Computers, Environment and Urban Systems</i> , 2021, 85, 101569.	3.3	484
2	Using deep learning to examine street view green and blue spaces and their associations with geriatric depression in Beijing, China. <i>Environment International</i> , 2019, 126, 107-117.	4.8	323
3	Sensing spatial distribution of urban land use by integrating points-of-interest and Google Word2Vec model. <i>International Journal of Geographical Information Science</i> , 2017, 31, 825-848.	2.2	306
4	Classifying urban land use by integrating remote sensing and social media data. <i>International Journal of Geographical Information Science</i> , 2017, 31, 1675-1696.	2.2	231
5	Delineating urban functional areas with building-level social media data: A dynamic time warping (DTW) distance based k-medoids method. <i>Landscape and Urban Planning</i> , 2017, 160, 48-60.	3.4	179
6	A human-machine adversarial scoring framework for urban perception assessment using street-view images. <i>International Journal of Geographical Information Science</i> , 2019, 33, 2363-2384.	2.2	163
7	Urban greenery and mental wellbeing in adults: Cross-sectional mediation analyses on multiple pathways across different greenery measures. <i>Environmental Research</i> , 2019, 176, 108535.	3.7	149
8	Short Chain Fatty Acids and Fecal Microbiota Abundance in Humans with Obesity: A Systematic Review and Meta-Analysis. <i>Nutrients</i> , 2019, 11, 2512.	1.7	148
9	Perceptions of built environment and health outcomes for older Chinese in Beijing: A big data approach with street view images and deep learning technique. <i>Computers, Environment and Urban Systems</i> , 2019, 78, 101386.	3.3	108
10	The relationship between visual enclosure for neighbourhood street walkability and elders' mental health in China: Using street view images. <i>Journal of Transport and Health</i> , 2019, 13, 90-102.	1.1	104
11	Residential greenness, air pollution and psychological well-being among urban residents in Guangzhou, China. <i>Science of the Total Environment</i> , 2020, 711, 134843.	3.9	93
12	Mapping fine-scale population distributions at the building level by integrating multisource geospatial big data. <i>International Journal of Geographical Information Science</i> , 0, , 1-25.	2.2	90
13	Extracellular vesicles in cardiovascular diseases. <i>Cell Death Discovery</i> , 2020, 6, 68.	2.0	79
14	Functional urban land use recognition integrating multi-source geospatial data and cross-correlations. <i>Computers, Environment and Urban Systems</i> , 2019, 78, 101374.	3.3	77
15	Simulating urban land-use changes at a large scale by integrating dynamic land parcel subdivision and vector-based cellular automata. <i>International Journal of Geographical Information Science</i> , 2017, 31, 2452-2479.	2.2	74
16	Mining transition rules of cellular automata for simulating urban expansion by using the deep learning techniques. <i>International Journal of Geographical Information Science</i> , 2018, 32, 2076-2097.	2.2	74
17	Using street view data and machine learning to assess how perception of neighborhood safety influences urban residents' mental health. <i>Health and Place</i> , 2019, 59, 102186.	1.5	72
18	Simulating urban land use change by integrating a convolutional neural network with vector-based cellular automata. <i>International Journal of Geographical Information Science</i> , 2020, 34, 1475-1499.	2.2	72

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19	Cohort Profile: The China Hainan Centenarian Cohort Study (CHCCS). <i>International Journal of Epidemiology</i> , 2018, 47, 694-695h.	0.9	70
20	Multiple intra-urban land use simulations and driving factors analysis: a case study in Huicheng, China. <i>GIScience and Remote Sensing</i> , 2019, 56, 282-308.	2.4	68
21	Mixed-cell cellular automata: A new approach for simulating the spatio-temporal dynamics of mixed land use structures. <i>Landscape and Urban Planning</i> , 2021, 205, 103960.	3.4	65
22	Cross-sectional associations between long-term exposure to particulate matter and depression in China: The mediating effects of sunlight, physical activity, and neighborly reciprocity. <i>Journal of Affective Disorders</i> , 2019, 249, 8-14.	2.0	64
23	Relationship between eye-level greenness and cycling frequency around metro stations in Shenzhen, China: A big data approach. <i>Sustainable Cities and Society</i> , 2020, 59, 102201.	5.1	63
24	Exploring the spatial differentiation of urbanization on two sides of the Hu Huanyong Line -- based on nighttime light data and cellular automata. <i>Applied Geography</i> , 2019, 112, 102081.	1.7	61
25	Reliability, Validity, and Factor Structure of Pittsburgh Sleep Quality Index in Community-Based Centenarians. <i>Frontiers in Psychiatry</i> , 2020, 11, 573530.	1.3	57
26	Mapping fine-scale urban housing prices by fusing remotely sensed imagery and social media data. <i>Transactions in GIS</i> , 2018, 22, 561-581.	1.0	56
27	Hierarchical community detection and functional area identification with OSM roads and complex graph theory. <i>International Journal of Geographical Information Science</i> , 2019, 33, 1569-1587.	2.2	54
28	The distribution of greenspace quantity and quality and their association with neighbourhood socioeconomic conditions in Guangzhou, China: A new approach using deep learning method and street view images. <i>Sustainable Cities and Society</i> , 2021, 66, 102664.	5.1	53
29	Analyzing the correlation between visual space and residents' psychology in Wuhan, China using street-view images and deep-learning technique. <i>City and Environment Interactions</i> , 2021, 11, 100069.	1.8	49
30	The linkage between the perception of neighbourhood and physical activity in Guangzhou, China: using street view imagery with deep learning techniques. <i>International Journal of Health Geographics</i> , 2019, 18, 18.	1.2	42
31	Simulating urban expansion by incorporating an integrated gravitational field model into a demand-driven random forest-cellular automata model. <i>Cities</i> , 2021, 109, 103044.	2.7	37
32	The Traj2Vec model to quantify residents' spatial trajectories and estimate the proportions of urban land-use types. <i>International Journal of Geographical Information Science</i> , 2021, 35, 193-211.	2.2	36
33	Discovering the homogeneous geographic domain of human perceptions from street view images. <i>Landscape and Urban Planning</i> , 2021, 212, 104125.	3.4	36
34	Geospatial Big Data: New Paradigm of Remote Sensing Applications. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 3841-3851.	2.3	35
35	Association of long-term exposure to PM2.5 with blood lipids in the Chinese population: Findings from a longitudinal quasi-experiment. <i>Environment International</i> , 2021, 151, 106454.	4.8	35
36	The effect of China's Clean Air Act on cognitive function in older adults: a population-based, quasi-experimental study. <i>The Lancet Healthy Longevity</i> , 2022, 3, e98-e108.	2.0	35

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37	Type of tea consumption and depressive symptoms in Chinese older adults. <i>BMC Geriatrics</i> , 2021, 21, 331.	1.1	34
38	The longitudinal relationship between exposure to air pollution and depression in older adults. <i>International Journal of Geriatric Psychiatry</i> , 2020, 35, 610-616.	1.3	33
39	Long-term PM2.5 exposure and depressive symptoms in China: A quasi-experimental study. <i>The Lancet Regional Health - Western Pacific</i> , 2021, 6, 100079.	1.3	31
40	Accurate Estimation of the Proportion of Mixed Land Use at the Street-Block Level by Integrating High Spatial Resolution Images and Geospatial Big Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 6357-6370.	2.7	30
41	Health-Related Quality of Life and Associated Factors Among Oldest-Old in China. <i>Journal of Nutrition, Health and Aging</i> , 2020, 24, 330-338.	1.5	30
42	Estimating the effects of "community opening" policy on alleviating traffic congestion in large Chinese cities by integrating ant colony optimization and complex network analyses. <i>Computers, Environment and Urban Systems</i> , 2018, 70, 163-174.	3.3	29
43	The prevalence of depressive symptoms in Chinese longevous persons and its correlation with vitamin D status. <i>BMC Geriatrics</i> , 2018, 18, 198.	1.1	29
44	Neighborhood social reciprocity and mental health among older adults in China: the mediating effects of physical activity, social interaction, and volunteering. <i>BMC Public Health</i> , 2019, 19, 1036.	1.2	27
45	Integrated genetic analyses revealed novel human longevity loci and reduced risks of multiple diseases in a cohort study of 15,651 Chinese individuals. <i>Aging Cell</i> , 2021, 20, e13323.	3.0	27
46	Bridging the digital divide between old and young people in China: challenges and opportunities. <i>The Lancet Healthy Longevity</i> , 2021, 2, e125-e126.	2.0	26
47	Perceived influence of street-level visible greenness exposure in the work and residential environment on life satisfaction: Evidence from Beijing, China. <i>Urban Forestry and Urban Greening</i> , 2021, 62, 127161.	2.3	24
48	Residential proximity to major roadways and cognitive function among Chinese adults 65 years and older. <i>Science of the Total Environment</i> , 2021, 766, 142607.	3.9	23
49	Associations between the streetscape built environment and walking to school among primary schoolchildren in Beijing, China. <i>Journal of Transport Geography</i> , 2022, 99, 103303.	2.3	23
50	Natural outdoor environments and subjective well-being in Guangzhou, China: Comparing different measures of access. <i>Urban Forestry and Urban Greening</i> , 2021, 59, 127027.	2.3	22
51	Estimating urban functional distributions with semantics preserved POI embedding. <i>International Journal of Geographical Information Science</i> , 2022, 36, 1905-1930.	2.2	22
52	Leisure Activities, APOE $\epsilon 4$ , and Cognitive Decline: A Longitudinal Cohort Study. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 736201.	1.7	20
53	Malnutrition is positively associated with cognitive decline in centenarians and oldest-old adults: A cross-sectional study. <i>EClinicalMedicine</i> , 2022, 47, 101336.	3.2	20
54	Associations of immunological factors with metabolic syndrome and its characteristic elements in Chinese centenarians. <i>Journal of Translational Medicine</i> , 2018, 16, 315.	1.8	19

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55	Serum 25-Hydroxyvitamin D, Albumin, and Mortality Among Chinese Older Adults: A Population-based Longitudinal Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 2762-2770.	1.8	19
56	Association between household fuel use and sleep quality in the oldest-old: Evidence from a propensity-score matched case-control study in Hainan, China. <i>Environmental Research</i> , 2020, 191, 110229.	3.7	18
57	Modeling the dynamics and walking accessibility of urban open spaces under various policy scenarios. <i>Landscape and Urban Planning</i> , 2021, 207, 103993.	3.4	18
58	Can parkland mitigate mental health burden imposed by the COVID-19? A national study in China. <i>Urban Forestry and Urban Greening</i> , 2022, 67, 127451.	2.3	18
59	Methylation of the genes <i>ROD1</i> , <i>NLRC5</i> , and <i>HKR1</i> is associated with aging in Hainan centenarians. <i>BMC Medical Genomics</i> , 2018, 11, 7.	0.7	17
60	Interaction between <i>APOE</i> $\epsilon$ 4 and dietary protein intake on cognitive decline: A longitudinal cohort study. <i>Clinical Nutrition</i> , 2021, 40, 2716-2725.	2.3	17
61	A global North-South division line for portraying urban development. <i>IScience</i> , 2021, 24, 102729.	1.9	17
62	Detecting clusters over intercity transportation networks using K-shortest paths and hierarchical clustering: a case study of mainland China. <i>International Journal of Geographical Information Science</i> , 2019, 33, 1082-1105.	2.2	16
63	Deriving urban dynamic evolution rules from self-adaptive cellular automata with multi-temporal remote sensing images. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 38, 164-174.	1.4	15
64	Association between outdoor artificial light at night and sleep duration among older adults in China: A cross-sectional study. <i>Environmental Research</i> , 2022, 212, 113343.	3.7	15
65	Extracting the Tailings Ponds from High Spatial Resolution Remote Sensing Images by Integrating a Deep Learning-Based Model. <i>Remote Sensing</i> , 2021, 13, 743.	1.8	14
66	Delineating urban job-housing patterns at a parcel scale with street view imagery. <i>International Journal of Geographical Information Science</i> , 2021, 35, 1927-1950.	2.2	14
67	Excessive sleep increased the risk of incidence of cognitive impairment among older Chinese adults: a cohort study based on the Chinese Longitudinal Healthy Longevity Survey (CLHLS). <i>International Psychogeriatrics</i> , 2022, 34, 725-734.	0.6	14
68	Heart failure with preserved ejection fraction based on aging and comorbidities. <i>Journal of Translational Medicine</i> , 2021, 19, 291.	1.8	14
69	cuFSDAF: An Enhanced Flexible Spatiotemporal Data Fusion Algorithm Parallelized Using Graphics Processing Units. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-16.	2.7	14
70	Temporal and Spatial Analyses of the Landscape Pattern of Wuhan City Based on Remote Sensing Images. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 340.	1.4	13
71	A time series of urban extent in China using DSMP/OLS nighttime light data. <i>PLoS ONE</i> , 2018, 13, e0198189.	1.1	13
72	Sex, Residence and Fish Intake Predict Vitamin D Status in Chinese Centenarians. <i>Journal of Nutrition, Health and Aging</i> , 2019, 23, 165-171.	1.5	13

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73	Genetic and non-genetic factors associated with the phenotype of exceptional longevity & normal cognition. <i>Scientific Reports</i> , 2020, 10, 19140.	1.6	13
74	Mutant Single Nucleotide Polymorphism rs189037 in Ataxia-Telangiectasia Mutated Gene Is Significantly Associated With Ventricular Wall Thickness and Human Lifespan. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 658908.	1.1	13
75	A spatial-compositional feature fusion convolutional autoencoder for multivariate geochemical anomaly recognition. <i>Computers and Geosciences</i> , 2021, 156, 104890.	2.0	13
76	Centenarian longevity had inverse relationships with nutritional status and abdominal obesity and positive relationships with sex hormones and bone turnover in the oldest females. <i>Journal of Translational Medicine</i> , 2021, 19, 436.	1.8	13
77	More visible greenspace, stronger heart? Evidence from ischaemic heart disease emergency department visits by middle-aged and older adults in Hubei, China. <i>Landscape and Urban Planning</i> , 2022, 224, 104444.	3.4	13
78	Prevalence of functional dependence in Chinese centenarians and its relationship with serum vitamin D status. <i>Clinical Interventions in Aging</i> , 2018, Volume 13, 2045-2053.	1.3	11
79	Classifying land-use patterns by integrating time-series electricity data and high-spatial resolution remote sensing imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 106, 102664.	1.4	11
80	Heart rate variability and inflammatory bowel disease in humans. <i>Medicine (United States)</i> , 2020, 99, e23430.	0.4	10
81	Associations Between Complement Components and Vitamin D and the Physical Activities of Daily Living Among a Longevous Population in Hainan, China. <i>Frontiers in Immunology</i> , 2020, 11, 1543.	2.2	10
82	Psychometric properties and modification of the 15-item geriatric depression scale among Chinese oldest-old and centenarians: a mixed-methods study. <i>BMC Geriatrics</i> , 2022, 22, 144.	1.1	10
83	Analyzing the Effects of Rainfall on Urban Traffic-Congestion Bottlenecks. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 504-512.	2.3	9
84	A comparison of two deep-learning-based urban perception models: which one is better?. <i>Computational Urban Science</i> , 2021, 1, 1.	1.9	9
85	Interaction of Sirtuin 1 (SIRT1) candidate longevity gene and particulate matter (PM2.5) on all-cause mortality: a longitudinal cohort study in China. <i>Environmental Health</i> , 2021, 20, 25.	1.7	9
86	Sleep duration, vegetable consumption and all-cause mortality among older adults in China: a 6-year prospective study. <i>BMC Geriatrics</i> , 2021, 21, 373.	1.1	9
87	Association Between Ambient Fine Particulate Matter and Physical Functioning in Middle-Aged and Older Chinese Adults: A Nationwide Longitudinal Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 986-993.	1.7	9
88	Recognizing Multivariate Geochemical Anomalies Related to Mineralization by Using Deep Unsupervised Graph Learning. <i>Natural Resources Research</i> , 2022, 31, 2225-2245.	2.2	9
89	Assessment of Geriatric Depression Scale's Applicability in Longevous Persons based on Classical Test and Item Response Theory. <i>Journal of Affective Disorders</i> , 2020, 274, 610-616.	2.0	8
90	VecLI: A framework for calculating vector landscape indices considering landscape fragmentation. <i>Environmental Modelling and Software</i> , 2022, 149, 105325.	1.9	8

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91	Association of regular aerobic exercises and neuromuscular junction variants with incidence of frailty: an analysis of the Chinese Longitudinal Health and Longevity Survey. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 350-357.	2.9	7
92	Association between anthropometric measures and cardiovascular disease (CVD) risk factors in Hainan centenarians: investigation based on the Centenarian's health study. <i>BMC Cardiovascular Disorders</i> , 2018, 18, 73.	0.7	6
93	The Clinical Features and Prognostic Assessment of SARS-CoV-2 Infection-Induced Sepsis Among COVID-19 Patients in Shenzhen, China. <i>Frontiers in Medicine</i> , 2020, 7, 570853.	1.2	6
94	Multiple Measures of Mineral Metabolism Were Associated With Renal Function in Chinese Centenarians: A Cross-Sectional Study. <i>Frontiers in Medicine</i> , 2020, 7, 120.	1.2	6
95	Centenarian longevity is positively correlated with IgE levels but negatively correlated with C3/C4 levels, abdominal obesity and metabolic syndrome. <i>Cellular and Molecular Immunology</i> , 2020, 17, 1196-1197.	4.8	6
96	Delineating Mixed Urban "Jobs-Housing" Patterns at a Fine Scale by Using High Spatial Resolution Remote-Sensing Imagery. <i>Complexity</i> , 2020, 2020, 1-13.	0.9	6
97	Spatiotemporal distribution of human trafficking in China and predicting the locations of missing persons. <i>Computers, Environment and Urban Systems</i> , 2021, 85, 101567.	3.3	6
98	Variability in and mixtures among residential vacancies at granular levels: Evidence from municipal water consumption data. <i>Computers, Environment and Urban Systems</i> , 2021, 90, 101702.	3.3	6
99	Association of Combined Lifestyle and Polygenetic Risk with Incidence of Venous Thromboembolism: A Large Population-Based Cohort Study. <i>Thrombosis and Haemostasis</i> , 0, , .	1.8	6
100	Assessing myocardial infarction severity from the urban environment perspective in Wuhan, China. <i>Journal of Environmental Management</i> , 2022, 317, 115438.	3.8	6
101	Prevalence of metabolic syndrome risk factors and their relationships with renal function in Chinese centenarians. <i>Scientific Reports</i> , 2018, 8, 9863.	1.6	5
102	Residential Proximity to Major Roadways and Prevalent Hypertension Among Older Women and Men: Results From the Chinese Longitudinal Healthy Longevity Survey. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 587222.	1.1	5
103	Age, Prognostic Nutritional Index, and Charlson Comorbidity Index Were Independent Risk Factors for Postoperative Long-Term Mortality in Chinese Geriatric Patients Who Sustain Hip Fracture. <i>Journal of the American Medical Directors Association</i> , 2021, 22, 2602-2603.	1.2	5
104	Falls prevention in China: time for action. <i>Lancet Public Health</i> , The, 2021, 6, e875-e876.	4.7	5
105	Associations of Humidity and Temperature With Cataracts Among Older Adults in China. <i>Frontiers in Public Health</i> , 2022, 10, 872030.	1.3	5
106	Fine-scale intra- and inter-city commercial store site recommendations using knowledge transfer. <i>Transactions in GIS</i> , 2019, 23, 1029-1047.	1.0	4
107	Analyzing the Effects of Rainfall on the Urban Traffic Congestion Bottlenecks by Using Floating Car Data. , 2019, , .		4
108	Under the Dome: A 3D Urban Texture Model and Its Relationship with Urban Land Surface Temperature. <i>Annals of the American Association of Geographers</i> , 2022, 112, 1369-1389.	1.5	4

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109	Underweight in Men had a Closer Relationship with Falls than Women in Centenarians. <i>Journal of Nutrition, Health and Aging</i> , 2020, 24, 987-992.	1.5	3
110	Review of the Application of Big Data and Artificial Intelligence in Geology. <i>Journal of Physics: Conference Series</i> , 2020, 1684, 012007.	0.3	3
111	Female Fertility Has a Negative Relationship With Longevity in Chinese Oldest-Old Population: A Cross-Sectional Study. <i>Frontiers in Endocrinology</i> , 2020, 11, 616207.	1.5	3
112	Apolipoprotein E Genotype, Meat, Fish, and Egg Intake in Relation to Mortality Among Older Adults: A Longitudinal Analysis in China. <i>Frontiers in Medicine</i> , 2021, 8, 697389.	1.2	3
113	Association between single nucleotide polymorphism of rs1937 in TFAM gene and longevity among the elderly Chinese population: based on the CLHLS study. <i>BMC Geriatrics</i> , 2022, 22, 16.	1.1	3
114	Sensing Mixed Urban Land-Use Patterns Using Municipal Water Consumption Time Series. <i>Annals of the American Association of Geographers</i> , 2021, 111, 68-86.	1.5	2
115	Inverse association between periumbilical fat and longevity mediated by complement C3 and cardiac structure. <i>Aging</i> , 2020, 12, 23296-23305.	1.4	2
116	Association of PM <sub>2.5</sub> Reduction with Improved Kidney Function: A Nationwide Quasiexperiment among Chinese Adults. <i>Health Data Science</i> , 2022, 2022, .	1.1	2
117	Thyroid nodules and its association with vitamin D in centenarians. <i>Experimental Gerontology</i> , 2022, 161, 111730.	1.2	2
118	Psychometric properties of the Barthel Index for evaluating physical function among Chinese oldest-old. <i>JCSM Clinical Reports</i> , 2022, 7, 33-43.	0.5	2
119	Oestradiol: any role in cardiovascular risk factors in female centenarians of Hainan?. <i>BMC Cardiovascular Disorders</i> , 2019, 19, 115.	0.7	1
120	Value of appendicular skeletal muscle mass to total body fat ratio in predicting obesity in elderly people: a 2.2-year longitudinal study. <i>BMC Geriatrics</i> , 2020, 20, 143.	1.1	1
121	Type of Tea Consumption and Mild Cognition Impairment in Older Adults. <i>Innovation in Aging</i> , 2020, 4, 296-296.	0.0	1
122	Tobacco smoking and older people amid the COVID-19 pandemic: an elephant in the room. <i>Age and Ageing</i> , 2021, 50, 1865-1867.	0.7	0
123	Interaction of Sirtuin 1 (SIRT1) longevity gene and particulate matter (PM2.5) on all-cause mortality: a longitudinal cohort study. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
124	Type of Cooking Fuel and Mortality Among Oldest-Old in China. <i>Innovation in Aging</i> , 2020, 4, 110-110.	0.0	0