## Fangyu Li

## List of Publications by Year in descending order

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155 papers	4,039 citations	147726 31 h-index	55 g-index
155	155	155	2936
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Prevalence, risk factors, and management of dementia and mild cognitive impairment in adults aged 60 years or older in China: a cross-sectional study. Lancet Public Health, The, 2020, 5, e661-e671.	4.7	573
2	The cost of Alzheimer's disease in China and reâ€estimation of costs worldwide. Alzheimer's and Dementia, 2018, 14, 483-491.	0.4	404
3	Concordance between the assessment of Aβ42, Tâ€tau, and Pâ€T181â€tau in peripheral blood neuronalâ€derive exosomes and cerebrospinal fluid. Alzheimer's and Dementia, 2019, 15, 1071-1080.	d <sub>0.4</sub>	230
4	Blood neuroâ€exosomal synaptic proteins predict Alzheimer's disease at the asymptomatic stage. Alzheimer's and Dementia, 2021, 17, 49-60.	0.4	122
5	Coherence attribute at different spectral scales. Interpretation, 2014, 2, SA99-SA106.	0.5	95
6	Semisupervised multiattribute seismic facies analysis. Interpretation, 2016, 4, SB91-SB106.	0.5	79
7	Enhanced Cyber-Physical Security in Internet of Things Through Energy Auditing. IEEE Internet of Things Journal, 2019, 6, 5224-5231.	5.5	79
8	Time–Frequency Analysis of Seismic Data Using a Three Parameters S Transform. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 142-146.	1.4	78
9	Seismic spectral decomposition using deconvolutive short-time Fourier transform spectrogram. Geophysics, 2013, 78, V43-V51.	1.4	77
10	Smart Seismic Sensing for Indoor Fall Detection, Location, and Notification. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 524-532.	3.9	77
11	Seismic signal denoising using thresholded variational mode decomposition. Exploration Geophysics, 2018, 49, 450-461.	0.5	73
12	System Statistics Learning-Based IoT Security: Feasibility and Suitability. IEEE Internet of Things Journal, 2019, 6, 6396-6403.	5.5	67
13	Semiautomatic first-arrival picking of microseismic events by using the pixel-wise convolutional image segmentation method. Geophysics, 2019, 84, V143-V155.	1.4	65
14	Characterizing a turbidite system in Canterbury Basin, New Zealand, using seismic attributes and distance-preserving self-organizing maps. Interpretation, 2016, 4, SB79-SB89.	0.5	64
15	ADDCNN: An Attention-Based Deep Dilated Convolutional Neural Network for Seismic Facies Analysis With Interpretable Spatial–Spectral Maps. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 1733-1744.	2.7	61
16	Detection and Diagnosis of Data Integrity Attacks in Solar Farms Based on Multilayer Long Short-Term Memory Network. IEEE Transactions on Power Electronics, 2021, 36, 2495-2498.	5.4	57
17	Constraining self-organizing map facies analysis with stratigraphy: An approach to increase the credibility in automatic seismic facies classification. Interpretation, 2017, 5, T163-T171.	0.5	51
18	Detection and Identification of Cyber and Physical Attacks on Distribution Power Grids With PVs: An Online High-Dimensional Data-Driven Approach. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1282-1291.	3.7	48

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19	The effects of 7â€week cognitive training in patients with vascular cognitive impairment, no dementia (the Cogâ€VACCINE study): A randomized controlled trial. Alzheimer's and Dementia, 2019, 15, 605-614.	0.4	47
20	Wi-COVID: A COVID-19 symptom detection and patient monitoring framework using WiFi. Smart Health, 2021, 19, 100147.	2.0	47
21	Machine learning research towards combating COVID-19: Virus detection, spread prevention, and medical assistance. Journal of Biomedical Informatics, 2021, 117, 103751.	2.5	47
22	Multispectral coherence. Interpretation, 2018, 6, T61-T69.	0.5	45
23	Seismic attribute selection for unsupervised seismic facies analysis using user-guided data-adaptive weights. Geophysics, 2018, 83, O31-O44.	1.4	41
24	Online Distributed IoT Security Monitoring With Multidimensional Streaming Big Data. IEEE Internet of Things Journal, 2020, 7, 4387-4394.	5.5	41
25	White noise attenuation of seismic trace by integrating variational mode decomposition with convolutional neural network. Geophysics, 2019, 84, V307-V317.	1.4	40
26	Smart Home Monitoring System via Footstep-Induced Vibrations. IEEE Systems Journal, 2020, 14, 3383-3389.	2.9	39
27	Multiazimuth coherence. Geophysics, 2017, 82, O83-O89.	1.4	38
28	Depositional sequence characterization based on seismic variational mode decomposition. Interpretation, 2017, 5, SE97-SE106.	0.5	37
29	Systematic Assessment of Cyber-Physical Security of Energy Management System for Connected and Automated Electric Vehicles. IEEE Transactions on Industrial Informatics, 2021, 17, 3335-3347.	7.2	36
30	<i>Q</i> estimation from reflection seismic data for hydrocarbon detection using a modified frequency shift method. Journal of Geophysics and Engineering, 2015, 12, 577-586.	0.7	34
31	Seismic attenuation attributes with applications on conventional and unconventional reservoirs. Interpretation, 2016, 4, SB63-SB77.	0.5	33
32	Seismic time-frequency decomposition by using a hybrid basis-matching pursuit technique. Interpretation, 2016, 4, T239-T248.	0.5	32
33	Cyber–Physical Security of Powertrain Systems in Modern Electric Vehicles: Vulnerabilities, Challenges, and Future Visions. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 4639-4657.	3.7	32
34	The <i>APOE <math>\hat{l}\mu</math>4</i> exerts differential effects on familial and other subtypes of Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, 1613-1623.	0.4	30
35	Vulnerability Assessments of Electric Drive Systems Due to Sensor Data Integrity Attacks. IEEE Transactions on Industrial Informatics, 2020, 16, 3301-3310.	7.2	30
36	Prediction of Alzheimer's disease using multi-variants from a Chinese genome-wide association study. Brain, 2021, 144, 924-937.	3.7	30

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37	Efficacy and safety of the compound Chinese medicine SaiLuoTong inÂvascular dementia: A randomized clinical trial. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2018, 4, 108-117.	1.8	29
38	Optimal Seismic Reflectivity Inversion: Data-Driven \$ell_p\$ -Loss-\$ell_q\$ -Regularization Sparse Regression. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 806-810.	1.4	29
39	A Federated Learning Framework for Detecting False Data Injection Attacks in Solar Farms. IEEE Transactions on Power Electronics, 2022, 37, 2496-2501.	5.4	26
40	A novel quantitative body shape score for detecting association between obesity and hypertension in China. BMC Public Health, 2015, 15, 7.	1.2	25
41	Efficacy and Safety of Donepezil in Chinese Patients with Severe Alzheimer's Disease: A Randomized Controlled Trial. Journal of Alzheimer's Disease, 2017, 56, 1495-1504.	1.2	25
42	Seismic Time–Frequency Analysis via Adaptive Mode Separation-Based Wavelet Transform. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 696-700.	1.4	25
43	Automatic Fault Delineation in 3-D Seismic Images With Deep Learning: Data Augmentation or Ensemble Learning?. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	25
44	Quantum-Enhanced Deep Learning-Based Lithology Interpretation From Well Logs. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	24
45	Identification of KIAA0513 and Other Hub Genes Associated With Alzheimer Disease Using Weighted Gene Coexpression Network Analysis. Frontiers in Genetics, 2020, 11, 981.	1.1	23
46	Ground-Roll Separation and Attenuation Using Curvelet-Based Multichannel Variational Mode Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	21
47	Model-Based Projection of Dementia Prevalence in China and Worldwide: 2020–2050. Journal of Alzheimer's Disease, 2021, 82, 1823-1831.	1.2	21
48	White Matter Abnormalities in Two Different Subtypes of Amnestic Mild Cognitive Impairment. PLoS ONE, 2017, 12, e0170185.	1.1	20
49	Toward Creating a Subsurface Camera. Sensors, 2019, 19, 301.	2.1	20
50	A metabolite panel that differentiates Alzheimer's disease from other dementia types. Alzheimer's and Dementia, 2022, 18, 1345-1356.	0.4	20
51	Well-log decomposition using variational mode decomposition in assisting the sequence stratigraphy analysis of a conglomerate reservoir. Geophysics, 2018, 83, B221-B228.	1.4	19
52	Indoor Person Identification and Fall Detection through Non-intrusive Floor Seismic Sensing. , 2019, , .		19
53	Associated Factors of Total Costs of Alzheimer's Disease: A Cluster-Randomized Observational Study in China. Journal of Alzheimer's Disease, 2019, 69, 795-806.	1.2	19
54	Data-driven Cyberattack Detection for Photovoltaic (PV) Systems through Analyzing Micro-PMU Data. , 2020, , .		19

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55	Attribute mapping of variable-thickness incised valley-fill systems. The Leading Edge, 2015, 34, 48-52.	0.4	18
56	Real-Time Cooperative Analytics for Ambient Noise Tomography in Sensor Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2019, 5, 375-389.	1.6	18
57	Multispectral coherence: Which decomposition should we use?. Interpretation, 2020, 8, T115-T129.	0.5	18
58	Waveform Inversion-Assisted Distributed Reverse Time Migration for Microseismic Location. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1327-1332.	2.3	17
59	Race-Related Association between APOE Genotype and Alzheimer's Disease: A Systematic Review and Meta-Analysis. Journal of Alzheimer's Disease, 2021, 83, 897-906.	1.2	17
60	Adaptive Hierarchical Cyber Attack Detection and Localization in Active Distribution Systems. IEEE Transactions on Smart Grid, 2022, 13, 2369-2380.	6.2	17
61	Vibration sensing-based human and infrastructure safety/health monitoring: A survey. , 2021, 114, 103037.		16
62	Smart Sleep Monitoring System via Passively Sensing Human Vibration Signals. IEEE Sensors Journal, 2021, 21, 14466-14473.	2.4	15
63	Impact Analysis of Data Integrity Attacks on Power Electronics and Electric Drives. , 2019, , .		14
64	Detection for pathway effect contributing to disease in systems epidemiology with a case-control design. BMJ Open, 2015, 5, e006721-e006721.	0.8	13
65	Trajectories of Multidimensional Caregiver Burden in Chinese Informal Caregivers for Dementia: Evidence from Exploratory and Confirmatory Factor Analysis of the Zarit Burden Interview. Journal of Alzheimer's Disease, 2017, 59, 1317-1325.	1.2	13
66	Seismic fault enhancement and skeletonization. , 2016, , .		13
67	Seismic Coherence for Discontinuity Interpretation. Surveys in Geophysics, 2021, 42, 1229-1280.	2.1	13
68	The efficacy of Cognitive training in patients with VAsCular Cognitive Impairment, No dEmentia (the) Tj ETQq0 (	) 0 <sub>E8.</sub> BT /C	)verlock 10 Tf
69	Automatic arrival identification system for real-time microseismic event location., 2017,,.		12
70	Exome sequencing revealed <i>PDE11A</i> as a novel candidate gene for early-onset Alzheimer's disease. Human Molecular Genetics, 2021, 30, 811-822.	1.4	12
71	Prediction of P-tau/Aβ42 in the cerebrospinal fluid with blood microRNAs in Alzheimer's disease. BMC Medicine, 2021, 19, 264.	2.3	12
72	Association between Plasma Leptin and Estrogen in Female Patients of Amnestic Mild Cognitive Impairment. Disease Markers, 2015, 2015, 1-5.	0.6	11

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73	Network Phenotyping for Network Traffic Classification and Anomaly Detection. , 2018, , .		11
74	A Novel PSEN1 M139L Mutation Found in a Chinese Pedigree with Early-Onset Alzheimer's Disease Increases Aβ42/Aβ40 ratio. Journal of Alzheimer's Disease, 2019, 69, 199-212.	1.2	11
75	ASIS: Autonomous Seismic Imaging System With <i>In Situ</i> Data Analytics and Renewable Energy. IEEE Systems Journal, 2020, 14, 1277-1284.	2.9	11
76	Helena: Real-time Contact-free Monitoring of Sleep Activities and Events around the Bed. , 2020, , .		11
77	Health and sleep nursing assistant for real-time, contactless, and non-invasive monitoring. Pervasive and Mobile Computing, 2021, 75, 101422.	2.1	11
78	Energy audition based cyber-physical attack detection system in IoT., 2019,,.		11
79	Seismic geologic structure characterization using a high-order spectrum-coherence attribute. Interpretation, 2020, 8, T391-T401.	0.5	11
80	Exosomal MicroRNA-Based Predictive Model for Preclinical Alzheimer's Disease: A Multicenter Study. Biological Psychiatry, 2022, 92, 44-53.	0.7	11
81	Exploring factors affecting the performance of deep learning in seismic fault attribute computation. Interpretation, 2022, 10, T619-T636.	0.5	11
82	VMD Based Sedimentary Cycle Division for Unconventional Facies Analysis., 2016,,.		10
83	Efficient Seismic Source Localization Using Simplified Gaussian Beam Time Reversal Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4472-4478.	2.7	10
84	Distributed Sensor Networks Based Shallow Subsurface Imaging and Infrastructure Monitoring. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 241-250.	1.6	10
85	Denoising Seismic Signal via Resampling Local Applicability Functions. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	10
86	Association of accelerated long-term forgetting and senescence-related blood-borne factors in asymptomatic individuals from families with autosomal dominant Alzheimer's disease. Alzheimer's Research and Therapy, 2021, 13, 107.	3.0	10
87	Revisit seismic attenuation attributes: Influences of the spectral balancing operation on seismic attenuation analysis. Interpretation, 2021, 9, T767-T779.	0.5	10
88	Highlighting discontinuities with variational-mode decomposition-based coherence. , 2018, , .		9
89	Smart seismic network for shallow subsurface imaging and infrastructure security. International Journal of Sensor Networks, 2019, 31, 10.	0.2	9
90	Seismic fault enhancement using spectral decomposition assisted attributes. , 2019, , .		9

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91	Seismic Reservoir Delineation via Hankel Transform Based Enhanced Empirical Wavelet Transform. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1411-1414.	1.4	9
92	Advanced self-organizing map facies analysis with stratigraphic constraint. , 2016, , .		8
93	Monetary costs of Alzheimer's disease in China: protocol for a cluster-randomised observational study. BMC Neurology, 2017, 17, 15.	0.8	8
94	NON-INTRUSIVE AND NON-CONTACT SLEEP MONITORING WITH SEISMOMETER. , 2018, , .		8
95	Incremental correlation of multiple well logs following geologically optimal neighbors. Interpretation, 2018, 6, T713-T722.	0.5	8
96	Vulnerability Assessments for Power-Electronics-Based Smart Grids. , 2020, , .		8
97	Dynamic Time-frequency Feature Extraction for Brain Activity Recognition. , 2018, 2018, 3104-3107.		7
98	Distributed and Communication-Efficient Spatial Auto-Correlation Subsurface Imaging in Sensor Networks. Sensors, 2019, 19, 2427.	2.1	7
99	Improved Automating Seismic Facies Analysis Using Deep Dilated Attention Autoencoders. , 2019, , .		7
100	Condition Monitoring and Fault Diagnosis of Generators in Power Networks., 2019,,.		7
101	Microseismic First-Arrival Picking Using Fine-Tuning Feature Pyramid Networks. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	7
102	Learning Discriminative Virtual Sequences for Time Series Classification. , 2020, , .		7
103	Automatic event detection on noisy microseismograms. , 2014, , .		6
104	Lateral consistency preserved variational mode decomposition (VMD)., 2016,,.		6
105	Elastic geometric-mean reverse time migration for source imaging. Geophysics, 2022, 87, KS135-KS146.	1.4	6
106	Modeling and monitoring of a multivariate spatio-temporal network system. IISE Transactions, 2023, 55, 331-347.	1.6	6
107	Optimal Lq norm regularization for sparse reflectivity inversion. , 2017, , .		5
108	Imaging Subsurface Civil Infrastructure with Smart Seismic Network. , 2018, , .		5

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109	Ambient Noise Tomography With Common Receiver Clusters in Distributed Sensor Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 656-666.	1.6	5
110	Hybrid Decentralized Data Analytics in Edge-Computing-Empowered IoT Networks. IEEE Internet of Things Journal, 2021, 8, 7706-7716.	5.5	5
111	A review of some amplitude-based seismic geometric attributes and their applications. Interpretation, 2022, 10, B1-B12.	0.5	5
112	Seismic attributes of time-vs. depth-migrated data using self-adaptive window. , 2014, , .		4
113	Value of nonstationary wavelet spectral balancing in mapping a faulted fluvial system, Bohai Gulf, China. Interpretation, 2015, 3, SS1-SS13.	0.5	4
114	2D Multi-Spectral Convolutional Encoder-Decoder Model for Geobody Segmentation. , 2018, , .		4
115	Apolipoprotein E $\hat{l}\mu4$ allele is associated with vascular cognitive impairment no dementia in Chinese population. Journal of the Neurological Sciences, 2020, 409, 116606.	0.3	4
116	Distributed Cooperative Energy Management in Smart Microgrids with Solar Energy Prediction. , 2018, , .		3
117	Demo: Contactless Device for Monitoring On-Bed Activities and Vital Signs. , 2019, , .		3
118	Correcting for VVAz prior to AVAz analysis. , 2015, , .		3
119	Pitfalls in poststack data conditioning: Distinguishing enhanced geology from enhanced artifacts. , 2016, , .		3
120	Fracture Characterization Based on Attenuation Estimation From Seismic Reflection Data Using Well-Log-Based Localized Spectral Correction. , $2015$ , , .		2
121	Fracture Characterization Based on Attenuation Estimation from Seismic Reflection Data Using Well-log-based Localized Spectral Correction. , 2015, , .		2
122	Seismic Spectral Attributes of Apparent Attenuation: Part 1 - Methodology. , 2015, , .		2
123	Automated input attribute weighting for unsupervised seismic facies analysis., 2017,,.		2
124	Validation of the Delayed Matching-to-Sample Task 48 (DMS48) in Elderly Chinese. Journal of Alzheimer's Disease, 2018, 61, 1611-1618.	1.2	2
125	LARGE SCALE RANDOMIZED LEARNING GUIDED BY PHYSICAL LAWS WITH APPLICATIONS IN FULL WAVEFORM INVERSION. , 2018, 2018, 66-70.		2
126	OPTIMAL DATA TASK DISTRIBUTION FOR BALANCING ENERGY CONSUMPTION ON COOPERATIVE FOG NETWORKS. , 2018, , .		2

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127	Tracking Underground Moving Targets with Wireless Seismic Networks. , 2019, , .		2
128	Seismic time-frequency decomposition using a dipole-based matching pursuit strategy. , 2016, , .		2
129	Dementia and mild cognitive impairment in China: From the public health perspective. Alzheimer's and Dementia, $2021,17,$ .	0.4	2
130	Reprint of: Vibration sensing-based human and infrastructure safety/health monitoring: A survey. , 2022, 125, 103572.		2
131	Random noise suppression using normalized convolution filter. , 2014, , .		1
132	Brittleness evaluation of resource plays by integrating petrophysics and seismic analysis. , 2014, , .		1
133	Pitfalls in seismic processing: part 1 groundroll sourced acquisition footprint. , 2015, , .		1
134	Seismic Spectral Attributes of Apparent Attenuation: Part 2 - Application., 2015,,.		1
135	Seismic-attenuation anisotropy and corresponding frequency versus azimuth (FVAZ) attribute. , 2016, ,		1
136	Introduction to special section: Machine learning in seismic data analysis. Interpretation, 2019, 7, SEi-SEii.	0.5	1
137	High-Frequency Time-Lapse Seismic Spatial Autocorrelation Imaging Shallow Velocity Variations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 5385-5390.	2.3	1
138	Seismic Local Instantaneous Frequency Extraction for Describing Superposed Sands. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	1
139	An Integrated Geophysical Approach to understanding the Structure and the Evolution of the Ouachita Orogenic Belt, Fort Worth Basin, Texas. , 2015, , .		1
140	Footprint suppression using edge preserved structure-oriented filtering based on the statistical significance of coherence. , $2015,  ,  .$		1
141	Multiazimuth coherence. , 2017, , .		1
142	High-resolution reverse time migration with squared excitation amplitude imaging condition. , 2017, , .		1
143	Correction to "Seismic Time-Frequency Analysis via Adaptive Mode Separation-Based Wavelet Transform― IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1102-1102.	1.4	1
144	Multispectral aberrancy. , 2020, , .		1

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145	P2-017: Mutation frequency of pathogenic genes in familial Alzheimer's disease in China. , 2015, $11$ , P487-P488.		0
146	O2â€11â€05: ECONOMIC COST OF ALZHEIMER'S DISEASE IN CHINA: A CLUSTER RANDOMIZED OBSERVATIONA STUDY. Alzheimer's and Dementia, 2016, 12, P255.	L <sub>0.4</sub>	0
147	Joint Anisotropic Parameter Inversion Based on Nonhyperbolic Moveout and Azimuthal Amplitude Variance., 2016,,.		0
148	P2â€318: THE EFFECT OF APOEâ€Îµ4 ON THE TRAJECTORY OF ALZHEIMER'S DISEASE RELATED COGNITIVE DECL CHINESE POPULATION. Alzheimer's and Dementia, 2018, 14, P804.	INE IN 0.4	0
149	P2â€025: THE EFFICACY OF COMPUTERIZED COGNITIVE TRAINING IN PATIENTS WITH VASCULAR COGNITIVE IMPAIRMENT, NO DEMENTIA (THE COGâ€VACCINE STUDY): A RANDOMIZED CONTROLLED TRIAL. Alzheimer's and Dementia, 2018, 14, P675.	0.4	0
150	Double-weighted stacking using local similarity. , 2017, , .		0
151	Noise attenuation by discrete alpha-trimmed stacking. , 2017, , .		0
152	Seismic denoising using thresholded adaptive signal decomposition. , 2017, , .		0
153	Introduction to special section: Permian Basin challenges and opportunities. Interpretation, 2019, 7, SKi-SKi.	0.5	0
154	The influence of known pathogenic gene mutation and ApoEε4 on neuropsychological evaluation and imaging markers in preclinical stage of familial Alzheimer's disease. Alzheimer's and Dementia, 2021, 17, .	0.4	0
155	The genetic risk effects of APOE ε4 and novel variants on Chinese familial and sporadic AD Alzheimer's and Dementia, 2021, 17 Suppl 3, e053544.	0.4	0