## Fangyu Li

## List of Publications by Year in descending order

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

#	Article	IF	CITATIONS
1	Modeling and monitoring of a multivariate spatio-temporal network system. IISE Transactions, 2023, 55, 331-347.	2.4	6
2	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.	5.4	48
3	Seismic Local Instantaneous Frequency Extraction for Describing Superposed Sands. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	1
4	Ground-Roll Separation and Attenuation Using Curvelet-Based Multichannel Variational Mode Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	21
5	Denoising Seismic Signal via Resampling Local Applicability Functions. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	10
6	A Federated Learning Framework for Detecting False Data Injection Attacks in Solar Farms. IEEE Transactions on Power Electronics, 2022, 37, 2496-2501.	7.9	26
7	Microseismic First-Arrival Picking Using Fine-Tuning Feature Pyramid Networks. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
8	Quantum-Enhanced Deep Learning-Based Lithology Interpretation From Well Logs. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	24
9	A metabolite panel that differentiates Alzheimer's disease from other dementia types. Alzheimer's and Dementia, 2022, 18, 1345-1356.	0.8	20
10	A review of some amplitude-based seismic geometric attributes and their applications. Interpretation, 2022, 10, B1-B12.	1.1	5
11	Exosomal MicroRNA-Based Predictive Model for Preclinical Alzheimer's Disease: A Multicenter Study. Biological Psychiatry, 2022, 92, 44-53.	1.3	11
12	Adaptive Hierarchical Cyber Attack Detection and Localization in Active Distribution Systems. IEEE Transactions on Smart Grid, 2022, 13, 2369-2380.	9.0	17
13	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.	6.3	25
14	Elastic geometric-mean reverse time migration for source imaging. Geophysics, 2022, 87, KS135-KS146.	2.6	6
15	Reprint of: Vibration sensing-based human and infrastructure safety/health monitoring: A survey. , 2022, 125, 103572.		2
16	Exploring factors affecting the performance of deep learning in seismic fault attribute computation. Interpretation, 2022, 10, T619-T636.	1.1	11
17	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.	6.3	61
18	Blood neuroâ€exosomal synaptic proteins predict Alzheimer's disease at the asymptomatic stage. Alzheimer's and Dementia, 2021, 17, 49-60.	0.8	122

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19	Smart Sleep Monitoring System via Passively Sensing Human Vibration Signals. IEEE Sensors Journal, 2021, 21, 14466-14473.	4.7	15
20	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.	11.3	36
21	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.	7.9	57
22	Prediction of Alzheimer's disease using multi-variants from a Chinese genome-wide association study. Brain, 2021, 144, 924-937.	7.6	30
23	Wi-COVID: A COVID-19 symptom detection and patient monitoring framework using WiFi. Smart Health, 2021, 19, 100147.	3.2	47
24	Exome sequencing revealed <i>PDE11A</i> as a novel candidate gene for early-onset Alzheimer's disease. Human Molecular Genetics, 2021, 30, 811-822.	2.9	12
25	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.	6.2	10
26	Machine learning research towards combating COVID-19: Virus detection, spread prevention, and medical assistance. Journal of Biomedical Informatics, 2021, 117, 103751.	4.3	47
27	Hybrid Decentralized Data Analytics in Edge-Computing-Empowered IoT Networks. IEEE Internet of Things Journal, 2021, 8, 7706-7716.	8.7	5
28	Revisit seismic attenuation attributes: Influences of the spectral balancing operation on seismic attenuation analysis. Interpretation, 2021, 9, T767-T779.	1.1	10
29	Vibration sensing-based human and infrastructure safety/health monitoring: A survey. , 2021, 114, 103037.		16
30	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.	5.4	32
31	Health and sleep nursing assistant for real-time, contactless, and non-invasive monitoring. Pervasive and Mobile Computing, 2021, 75, 101422.	3.3	11
32	Model-Based Projection of Dementia Prevalence in China and Worldwide: 2020–2050. Journal of Alzheimer's Disease, 2021, 82, 1823-1831.	2.6	21
33	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.	2.6	17
34	Seismic Coherence for Discontinuity Interpretation. Surveys in Geophysics, 2021, 42, 1229-1280.	4.6	13
35	Prediction of P-tau/Aβ42 in the cerebrospinal fluid with blood microRNAs in Alzheimer's disease. BMC Medicine, 2021, 19, 264.	5.5	12
36	Dementia and mild cognitive impairment in China: From the public health perspective. Alzheimer's and Dementia, 2021, 17, .	0.8	2

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37	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, .	0.8	O
38	The genetic risk effects of APOE $\hat{l}\mu 4$ and novel variants on Chinese familial and sporadic AD Alzheimer's and Dementia, 2021, 17 Suppl 3, e053544.	0.8	0
39	ASIS: Autonomous Seismic Imaging System With <i>In Situ</i> Data Analytics and Renewable Energy. IEEE Systems Journal, 2020, 14, 1277-1284.	4.6	11
40	Smart Seismic Sensing for Indoor Fall Detection, Location, and Notification. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 524-532.	6.3	77
41	Seismic Time–Frequency Analysis via Adaptive Mode Separation-Based Wavelet Transform. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 696-700.	3.1	25
42	Seismic Reservoir Delineation via Hankel Transform Based Enhanced Empirical Wavelet Transform. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1411-1414.	3.1	9
43	Smart Home Monitoring System via Footstep-Induced Vibrations. IEEE Systems Journal, 2020, 14, 3383-3389.	4.6	39
44	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.	0.6	4
45	Multispectral coherence: Which decomposition should we use?. Interpretation, 2020, 8, T115-T129.	1.1	18
46	Online Distributed IoT Security Monitoring With Multidimensional Streaming Big Data. IEEE Internet of Things Journal, 2020, 7, 4387-4394.	8.7	41
47	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.	10.0	573
48	Helena: Real-time Contact-free Monitoring of Sleep Activities and Events around the Bed., 2020,,.		11
49	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.	0.8	30
50	Ambient Noise Tomography With Common Receiver Clusters in Distributed Sensor Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 656-666.	2.8	5
51	Identification of KIAA0513 and Other Hub Genes Associated With Alzheimer Disease Using Weighted Gene Coexpression Network Analysis. Frontiers in Genetics, 2020, 11, 981.	2.3	23
52	Efficient Seismic Source Localization Using Simplified Gaussian Beam Time Reversal Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4472-4478.	6.3	10
53	Distributed Sensor Networks Based Shallow Subsurface Imaging and Infrastructure Monitoring. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 241-250.	2.8	10
54	Vulnerability Assessments of Electric Drive Systems Due to Sensor Data Integrity Attacks. IEEE Transactions on Industrial Informatics, 2020, 16, 3301-3310.	11.3	30

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55	Learning Discriminative Virtual Sequences for Time Series Classification. , 2020, , .		7
56	Seismic geologic structure characterization using a high-order spectrum-coherence attribute. Interpretation, 2020, 8, T391-T401.	1.1	11
57	Correction to "Seismic Time-Frequency Analysis via Adaptive Mode Separation-Based Wavelet Transform― IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1102-1102.	3.1	1
58	Multispectral aberrancy. , 2020, , .		1
59	Vulnerability Assessments for Power-Electronics-Based Smart Grids. , 2020, , .		8
60	Data-driven Cyberattack Detection for Photovoltaic (PV) Systems through Analyzing Micro-PMU Data. , 2020, , .		19
61	Indoor Person Identification and Fall Detection through Non-intrusive Floor Seismic Sensing. , 2019, , .		19
62	Concordance between the assessment of Aβ42, Tâ€ŧau, and Pâ€₹181â€ŧau in peripheral blood neuronalâ€derive exosomes and cerebrospinal fluid. Alzheimer's and Dementia, 2019, 15, 1071-1080.	d <sub>0.8</sub>	230
63	Tracking Underground Moving Targets with Wireless Seismic Networks. , 2019, , .		2
64	Introduction to special section: Machine learning in seismic data analysis. Interpretation, 2019, 7, SEi-SEii.	1.1	1
65	White noise attenuation of seismic trace by integrating variational mode decomposition with convolutional neural network. Geophysics, 2019, 84, V307-V317.	2.6	40
66	Demo: Contactless Device for Monitoring On-Bed Activities and Vital Signs., 2019,,.		3
67	Impact Analysis of Data Integrity Attacks on Power Electronics and Electric Drives. , 2019, , .		14
68	Semiautomatic first-arrival picking of microseismic events by using the pixel-wise convolutional image segmentation method. Geophysics, 2019, 84, V143-V155.	2.6	65
69	Toward Creating a Subsurface Camera. Sensors, 2019, 19, 301.	3.8	20
70	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.	2.6	19
71	Distributed and Communication-Efficient Spatial Auto-Correlation Subsurface Imaging in Sensor Networks. Sensors, 2019, 19, 2427.	3.8	7
72	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.	4.9	17

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73	System Statistics Learning-Based IoT Security: Feasibility and Suitability. IEEE Internet of Things Journal, 2019, 6, 6396-6403.	8.7	67
74	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.	0.8	47
75	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.	2.6	11
76	Enhanced Cyber-Physical Security in Internet of Things Through Energy Auditing. IEEE Internet of Things Journal, 2019, 6, 5224-5231.	8.7	79
77	Smart seismic network for shallow subsurface imaging and infrastructure security. International Journal of Sensor Networks, 2019, 31, 10.	0.4	9
78	Improved Automating Seismic Facies Analysis Using Deep Dilated Attention Autoencoders., 2019,,.		7
79	Seismic fault enhancement using spectral decomposition assisted attributes. , 2019, , .		9
80	Condition Monitoring and Fault Diagnosis of Generators in Power Networks. , 2019, , .		7
81	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.	4.9	1
82	Real-Time Cooperative Analytics for Ambient Noise Tomography in Sensor Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2019, 5, 375-389.	2.8	18
83	Optimal Seismic Reflectivity Inversion: Data-Driven \$ell_p\$ -Loss-\$ell_q\$ -Regularization Sparse Regression. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 806-810.	3.1	29
84	Energy audition based cyber-physical attack detection system in IoT., 2019,,.		11
85	Introduction to special section: Permian Basin challenges and opportunities. Interpretation, 2019, 7, SKi-SKi.	1.1	0
86	Multispectral coherence. Interpretation, 2018, 6, T61-T69.	1.1	45
87	Validation of the Delayed Matching-to-Sample Task 48 (DMS48) in Elderly Chinese. Journal of Alzheimer's Disease, 2018, 61, 1611-1618.	2.6	2
88	The cost of Alzheimer's disease in China and reâ€estimation of costs worldwide. Alzheimer's and Dementia, 2018, 14, 483-491.	0.8	404
89	Time–Frequency Analysis of Seismic Data Using a Three Parameters S Transform. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 142-146.	3.1	78
90	Seismic attribute selection for unsupervised seismic facies analysis using user-guided data-adaptive weights. Geophysics, 2018, 83, O31-O44.	2.6	41

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91	Well-log decomposition using variational mode decomposition in assisting the sequence stratigraphy analysis of a conglomerate reservoir. Geophysics, 2018, 83, B221-B228.	2.6	19
92	Imaging Subsurface Civil Infrastructure with Smart Seismic Network. , 2018, , .		5
93	NON-INTRUSIVE AND NON-CONTACT SLEEP MONITORING WITH SEISMOMETER., 2018,,.		8
94	LARGE SCALE RANDOMIZED LEARNING GUIDED BY PHYSICAL LAWS WITH APPLICATIONS IN FULL WAVEFORM INVERSION. , 2018, 2018, 66-70.		2
95	Network Phenotyping for Network Traffic Classification and Anomaly Detection. , 2018, , .		11
96	P2â€318: THE EFFECT OF APOE‵4 ON THE TRAJECTORY OF ALZHEIMER'S DISEASE RELATED COGNITIVE DECL CHINESE POPULATION. Alzheimer's and Dementia, 2018, 14, P804.	INE ÎN	0
97	OPTIMAL DATA TASK DISTRIBUTION FOR BALANCING ENERGY CONSUMPTION ON COOPERATIVE FOG NETWORKS., 2018,,.		2
98	Dynamic Time-frequency Feature Extraction for Brain Activity Recognition., 2018, 2018, 3104-3107.		7
99	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.	0.8	O
100	Distributed Cooperative Energy Management in Smart Microgrids with Solar Energy Prediction. , 2018, , .		3
101	Highlighting discontinuities with variational-mode decomposition-based coherence. , $2018,  ,  .$		9
102	2D Multi-Spectral Convolutional Encoder-Decoder Model for Geobody Segmentation., 2018,,.		4
103	Seismic signal denoising using thresholded variational mode decomposition. Exploration Geophysics, 2018, 49, 450-461.	1.1	73
104	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.	3.7	29
105	Incremental correlation of multiple well logs following geologically optimal neighbors. Interpretation, 2018, 6, T713-T722.	1.1	8
106	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.	2.6	25
107	Constraining self-organizing map facies analysis with stratigraphy: An approach to increase the credibility in automatic seismic facies classification. Interpretation, 2017, 5, T163-T171.	1.1	51
108	Depositional sequence characterization based on seismic variational mode decomposition. Interpretation, 2017, 5, SE97-SE106.	1.1	37

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109	Optimal Lq norm regularization for sparse reflectivity inversion. , 2017, , .		5
110	Automated input attribute weighting for unsupervised seismic facies analysis. , 2017, , .		2
111	Multiazimuth coherence. Geophysics, 2017, 82, O83-O89.	2.6	38
112	Automatic arrival identification system for real-time microseismic event location., 2017,,.		12
113	Monetary costs of Alzheimer's disease in China: protocol for a cluster-randomised observational study. BMC Neurology, 2017, 17, 15.	1.8	8
114	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.	2.6	13
115	White Matter Abnormalities in Two Different Subtypes of Amnestic Mild Cognitive Impairment. PLoS ONE, 2017, 12, e0170185.	2.5	20
116	Multiazimuth coherence. , 2017, , .		1
117	High-resolution reverse time migration with squared excitation amplitude imaging condition. , 2017, , .		1
118	Double-weighted stacking using local similarity., 2017,,.		0
119	Noise attenuation by discrete alpha-trimmed stacking. , 2017, , .		0
120	Seismic denoising using thresholded adaptive signal decomposition., 2017,,.		0
121	Seismic time-frequency decomposition by using a hybrid basis-matching pursuit technique. Interpretation, 2016, 4, T239-T248.	1.1	32
122	VMD Based Sedimentary Cycle Division for Unconventional Facies Analysis., 2016,,.		10
123	The efficacy of Cognitive training in patients with VAsCular Cognitive Impairment, No dEmentia (the) Tj ETQq1 🗆	0.784314	1 rgBT /Overlo
124	Seismic-attenuation anisotropy and corresponding frequency versus azimuth (FVAZ) attribute. , 2016, , .		1
125	Advanced self-organizing map facies analysis with stratigraphic constraint., 2016,,.		8
126	O2â€1 1â€05: ECONOMIC COST OF ALZHEIMER'S DISEASE IN CHINA: A CLUSTER RANDOMIZED OBSERVATION STUDY. Alzheimer's and Dementia, 2016, 12, P255.	AL <sub>0.8</sub>	0

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127	Seismic attenuation attributes with applications on conventional and unconventional reservoirs. Interpretation, 2016, 4, SB63-SB77.	1.1	33
128	Characterizing a turbidite system in Canterbury Basin, New Zealand, using seismic attributes and distance-preserving self-organizing maps. Interpretation, 2016, 4, SB79-SB89.	1.1	64
129	Semisupervised multiattribute seismic facies analysis. Interpretation, 2016, 4, SB91-SB106.	1.1	79
130	Lateral consistency preserved variational mode decomposition (VMD)., 2016,,.		6
131	Joint Anisotropic Parameter Inversion Based on Nonhyperbolic Moveout and Azimuthal Amplitude Variance. , 2016, , .		0
132	Seismic fault enhancement and skeletonization. , 2016, , .		13
133	Seismic time-frequency decomposition using a dipole-based matching pursuit strategy. , 2016, , .		2
134	Pitfalls in poststack data conditioning: Distinguishing enhanced geology from enhanced artifacts. , 2016, , .		3
135	P2-017: Mutation frequency of pathogenic genes in familial Alzheimer's disease in China. , 2015, 11, P487-P488.		O
136	Value of nonstationary wavelet spectral balancing in mapping a faulted fluvial system, Bohai Gulf, China. Interpretation, 2015, 3, SS1-SS13.	1.1	4
137	Fracture Characterization Based on Attenuation Estimation From Seismic Reflection Data Using Well-Log-Based Localized Spectral Correction. , 2015, , .		2
138	Pitfalls in seismic processing: part $1$ groundroll sourced acquisition footprint., $2015, \dots$		1
139	Fracture Characterization Based on Attenuation Estimation from Seismic Reflection Data Using Well-log-based Localized Spectral Correction. , 2015, , .		2
140	Association between Plasma Leptin and Estrogen in Female Patients of Amnestic Mild Cognitive Impairment. Disease Markers, 2015, 2015, 1-5.	1.3	11
141	Detection for pathway effect contributing to disease in systems epidemiology with a case-control design. BMJ Open, 2015, 5, e006721-e006721.	1.9	13
142	Seismic Spectral Attributes of Apparent Attenuation: Part 1 - Methodology. , 2015, , .		2
143	Seismic Spectral Attributes of Apparent Attenuation: Part 2 - Application. , 2015, , .		1
144	Attribute mapping of variable-thickness incised valley-fill systems. The Leading Edge, 2015, 34, 48-52.	0.7	18

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145	A novel quantitative body shape score for detecting association between obesity and hypertension in China. BMC Public Health, 2015, 15, 7.	2.9	25
146	<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.	1.4	34
147	Correcting for VVAz prior to AVAz analysis. , 2015, , .		3
148	An Integrated Geophysical Approach to understanding the Structure and the Evolution of the Ouachita Orogenic Belt, Fort Worth Basin, Texas. , $2015, \ldots$		1
149	Footprint suppression using edge preserved structure-oriented filtering based on the statistical significance of coherence., 2015,,.		1
150	Automatic event detection on noisy microseismograms. , 2014, , .		6
151	Coherence attribute at different spectral scales. Interpretation, 2014, 2, SA99-SA106.	1.1	95
152	Seismic attributes of time-vs. depth-migrated data using self-adaptive window. , 2014, , .		4
153	Random noise suppression using normalized convolution filter. , 2014, , .		1
154	Brittleness evaluation of resource plays by integrating petrophysics and seismic analysis. , 2014, , .		1
155	Seismic spectral decomposition using deconvolutive short-time Fourier transform spectrogram. Geophysics, 2013, 78, V43-V51.	2.6	77