

Jun Lu

List of Publications by Year in descending order

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88
papers

1,377
citations

393982

19
h-index

377514

34
g-index

89
all docs

89
docs citations

89
times ranked

1561
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Photodynamic Therapy by Reduced Levels of Intracellular Glutathione Obtained By Employing a Nano-MOF with Cu ^{II} as the Active Center. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4891-4896.	7.2	259
2	Joint PP and PS AVA seismic inversion using exact Zoeppritz equations. <i>Geophysics</i> , 2015, 80, R239-R250.	1.4	72
3	Virtual manipulator-based binocular stereo vision positioning system and errors modelling. <i>Machine Vision and Applications</i> , 2012, 23, 43-63.	1.7	71
4	Enhanced Photodynamic Therapy by Reduced Levels of Intracellular Glutathione Obtained By Employing a Nano-MOF with Cu ^{II} as the Active Center. <i>Angewandte Chemie</i> , 2018, 130, 4985-4990.	1.6	70
5	Photodynamic therapy for hypoxic solid tumors <i>via</i> Mn-MOF as a photosensitizer. <i>Chemical Communications</i> , 2019, 55, 10792-10795.	2.2	52
6	Quantitative evaluation of urban park cool island factors in mountain city. <i>Journal of Central South University</i> , 2012, 19, 1657-1662.	1.2	48
7	One-Pot Synthesis of Multifunctional Carbon-Based Nanoparticle-Supported Dispersed Cu ²⁺ Disrupts Redox Homeostasis to Enhance CDT. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202114373.	7.2	37
8	Filling the holes in piezopolymers with a solid electrolyte: a new paradigm of poling-free dynamic electrets for energy harvesting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 189-200.	5.2	34
9	Topical Therapeutic Efficacy of Ebselen Against Multidrug-Resistant <i>Staphylococcus aureus</i> LT-1 Targeting Thioredoxin Reductase. <i>Frontiers in Microbiology</i> , 2019, 10, 3016.	1.5	33
10	Self-powered graphene quantum dot/poly(vinylidene fluoride) composites with remarkably enhanced mechanical-to-electrical conversion. <i>RSC Advances</i> , 2016, 6, 67400-67408.	1.7	31
11	Glowing stereocomplex biopolymers are generating power: polylactide/carbon quantum dot hybrid nanofibers with high piezoresponse and multicolor luminescence. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1810-1823.	5.2	31
12	Joint anisotropic amplitude variation with offset inversion of PP and PS seismic data. <i>Geophysics</i> , 2018, 83, N31-N50.	1.4	30
13	Review on Urban Heat Island in China: Methods, Its Impact on Buildings Energy Demand and Mitigation Strategies. <i>Sustainability</i> , 2021, 13, 762.	1.6	29
14	Construction of recombinant industrial brewer's yeast with lower diacetyl production and proteinase A activity. <i>European Food Research and Technology</i> , 2012, 235, 951-961.	1.6	27
15	Clinical implications of Indocyanine Green Fluorescence Imaging-Guided laparoscopic lymphadenectomy for patients with gastric cancer: A cohort study from two randomized, controlled trials using individual patient data. <i>International Journal of Surgery</i> , 2021, 94, 106120.	1.1	27
16	A quantitative method to detect the ventilation paths in a mountainous urban city for urban planning: A case study in Guizhou, China. <i>Indoor and Built Environment</i> , 2017, 26, 422-437.	1.5	24
17	Prediction of coal seam details and mining safety using multicomponent seismic data: A case history from China. <i>Geophysics</i> , 2016, 81, B149-B165.	1.4	23
18	Temporal requirements for ISL1 in sympathetic neuron proliferation, differentiation, and diversification. <i>Cell Death and Disease</i> , 2018, 9, 247.	2.7	23

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19	Advances in biosynthesis of triterpenoid saponins in medicinal plants. <i>Chinese Journal of Natural Medicines</i> , 2020, 18, 417-424.	0.7	22
20	RPformer: A Robust Parallel Transformer for Visual Tracking in Complex Scenes. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-14.	2.4	22
21	Separating P- and S-waves in an affine coordinate system. <i>Journal of Geophysics and Engineering</i> , 2012, 9, 12-18.	0.7	20
22	PS-wave Q estimation based on the P-wave Q values. <i>Journal of Geophysics and Engineering</i> , 2009, 6, 386-389.	0.7	19
23	Instantaneous polarization filtering focused on suppression of surface waves. <i>Applied Geophysics</i> , 2010, 7, 88-97.	0.1	19
24	Detection of Tectonically Deformed Coal Using Model-Based Joint Inversion of Multi-Component Seismic Data. <i>Energies</i> , 2018, 11, 829.	1.6	18
25	Synthesis and mechanism of polyaniline nanotubes with rectangular cross section via <i>in situ</i> polymerization. <i>Polymers for Advanced Technologies</i> , 2012, 23, 796-802.	1.6	17
26	Nanogenerators Begin to Light Up: A Novel Poling-Free Piezoelectric System with Multicolor Photoluminescence as an Efficient Mechatronics Development Platform. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800587.	1.9	14
27	Effect of Ni ²⁺ as a codopant on the structure, morphology, and conductivity of nanostructured polyaniline. <i>Journal of Applied Polymer Science</i> , 2011, 121, 3439-3445.	1.3	13
28	Carbon Nanolights in Piezopolymers are Self-Organizing Toward Color Tunable Luminous Hybrids for Kinetic Energy Harvesting. <i>Small</i> , 2020, 16, e1905703.	5.2	13
29	Vertical Seismic Profile Wavefield Separation Using Median Filtering Constrained by the Linear Radon Transform. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1494.	1.3	12
30	Surface-Wave Extraction Based on Morphological Diversity of Seismic Events. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 17.	1.3	11
31	Expecting the unexpected: high pressure crystallization significantly boosts up triboelectric outputs of microbial polyesters. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6306-6315.	5.2	11
32	Pre-stack separation of PP and split PS waves in HTI media. <i>Geophysical Journal International</i> , 2017, 210, 510-524.	1.0	10
33	Characterization of synergistic antibacterial effect of silver nanoparticles and ebselen. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 3338-3349.	1.9	10
34	Energy scavenging luminescent piezo-fabrics: small silicon dots enable big electrical outputs. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13231-13241.	5.2	10
35	Actuation of Electro-Active Artificial Muscle at Ultralow Frequency. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 635-642.	1.1	9
36	A detailed experimental study of the validity and applicability of slotted stand-off layer rail dampers in reducing railway vibration and noise. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2018, 37, 896-910.	1.3	9

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37	Noise Attenuation Based on Wave Vector Characteristics. Applied Sciences (Switzerland), 2018, 8, 672.	1.3	9
38	Study on DFB Semiconductor Laser Based on Sampled Moiré Grating Integrated With Grating Reflector. IEEE Journal of Quantum Electronics, 2020, 56, 1-9.	1.0	9
39	Pressure-crystallized piezoelectric structures in binary fullerene C70/poly(vinylidene fluoride) based composites. Journal of Applied Polymer Science, 2013, 130, 1823-1833.	1.3	8
40	Prediction of Fractures in Coal Seams with Multi-component Seismic Data. Scientific Reports, 2019, 9, 6488.	1.6	8
41	Elucidating the Relationship between ROS and Protein Phosphorylation through <i>In Situ</i> Fluorescence Imaging in the Pneumonia Mice. Analytical Chemistry, 2021, 93, 10907-10915.	3.2	8
42	A new algorithm for frequency-dependent shear-wave splitting parameters extraction. Journal of Geophysics and Engineering, 2013, 10, 055005.	0.7	7
43	Weak impedance difference approximations of thin-bed PP-wave reflection responses. Journal of Geophysics and Engineering, 2017, 14, 1010-1019.	0.7	7
44	Pressure-controlled crystallization of stereocomplex crystals in enantiomeric polylactides with remarkably enhanced hydrolytic degradation. CrystEngComm, 2018, 20, 7337-7347.	1.3	7
45	Nanocellulose-assisted construction of hydrophilic 3D hierarchical stereocomplex meshworks in enantiomeric polylactides: towards thermotolerant biocomposites with enhanced environmental degradation. CrystEngComm, 2019, 21, 6405-6413.	1.3	7
46	Second-Order Approximation of the Seismic Reflection Coefficient in Thin Interbeds. Energies, 2020, 13, 1465.	1.6	7
47	Application of Rayleigh waves on PS-wave static corrections. Journal of Geophysics and Engineering, 2012, 9, 90-97.	0.7	6
48	Unique pressure-crystallized structures in ternary bisphenol-A polycarbonate/dioctyl phthalate/fullerene C60 composites. Journal of Applied Polymer Science, 2013, 129, 1362-1373.	1.3	6
49	A Hybrid Transverse Mode Resonance DFB Semiconductor Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-9.	1.9	6
50	Prediction of coal mine water hazards: a case study from the Huainan Coalfield. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	6
51	Improved Range Tunability of DFB Lasers Based on REC Technique Under Injection Current. IEEE Journal of Quantum Electronics, 2021, 57, 1-7.	1.0	6
52	Fracture prediction based on walkaround 3D3C vertical seismic profiling data: A case study from the Tarim Basin in China. Geophysics, 2022, 87, D123-D136.	1.4	6
53	The Analysis and Simulation on Operating Characteristics of AGSHP in Summer. Journal of Superconductivity and Novel Magnetism, 2010, 23, 1091-1093.	0.8	5
54	Crystal Morphology of High-Pressure Crystallized Bisphenol-A Polycarbonate. Journal of Macromolecular Science - Physics, 2011, 50, 1018-1030.	0.4	5

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55	Spherulitic Growth of Poly (Ether Ether Ketone) Crystallized at High Pressure. Journal of Macromolecular Science - Physics, 2012, 51, 510-524.	0.4	5
56	Prediction of coal-bearing strata characteristics using multi-component seismic data—a case study of Guqiao coalmine in China. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	5
57	Joint velocity updating for anisotropic PP and PS prestack time migration based on hyperbolic correction of nonhyperbolic moveout. Journal of Geophysics and Engineering, 2018, 15, 1171-1186.	0.7	5
58	Elastic parameter inversion of a sand body based on the exact reflection coefficient. Journal of Petroleum Science and Engineering, 2020, 195, 107611.	2.1	5
59	PP- and PS-Wave Effective Q Scanning and Migration Based on the S-Transform. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	5
60	Approximation of P-, S1-, and S2-wave reflection coefficients for orthorhombic media. Geophysics, 2022, 87, C63-C76.	1.4	5
61	Durability studies shed light on the design of novel self-healing artificial muscles by employing ionic network polymers. Journal of Controlled Release, 2011, 152, e229-e230.	4.8	4
62	Study of combustion and emission characteristics of turbocharged diesel engine fuelled with dimethylether. Frontiers of Energy and Power Engineering in China, 2008, 2, 79-85.	0.4	3
63	Growth of Spatial Dendrites in Bisphenol-A Polycarbonate Induced by Dioctyl Phthalate at High Pressure. Molecular Crystals and Liquid Crystals, 2009, 511, 327/[1797]-336/[1806].	0.4	3
64	Seismic wave propagation in Kelvin visco-elastic VTI media. Applied Geophysics, 2010, 7, 357-364.	0.1	3
65	Joint PP, PS1, and PS2 AVA Inversion of HTI Media. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	3
66	Ambiguity Between the Residual Geometrical Spreading and Scattering Attenuation. Pure and Applied Geophysics, 2010, 167, 1579-1580.	0.8	2
67	Separation of split shear waves based on a hodogram analysis of HTI media. Acta Geophysica, 2018, 66, 643-658.	1.0	2
68	Calculation of AVA Responses for Finely Layered Reservoirs. Mathematical Problems in Engineering, 2018, 2018, 1-11.	0.6	2
69	P- and S-mode separation of three-component VSP data. Exploration Geophysics, 2019, 50, 430-448.	0.5	2
70	A Low-Order Series Approximation of Thin-Bed PP-Wave Reflections. Applied Sciences (Switzerland), 2019, 9, 709.	1.3	2
71	Separation of split S-waves in two nonorthogonal sets of vertical fractures. Geophysics, 2021, 86, C157-C172.	1.4	2
72	One-Pot Synthesis of Multifunctional Carbon-Based Nanoparticle-Supported Dispersed Cu ²⁺ Disrupts Redox Homeostasis to Enhance CDT. Angewandte Chemie, 2022, 134, e202114373.	1.6	2

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73	Second-order approximate reflection coefficients of vertical transversely isotropic thin beds. <i>Acta Geophysica</i> , 2022, 70, 1155-1169.	1.0	2
74	The Best Receiving Windows for Multi-Component Converted-Wave Seismic Data in VTI Media. <i>Chinese Journal of Geophysics</i> , 2006, 49, 184-195.	0.2	1
75	Outdoor thermal environmental research of the mountainous city by GIS. <i>Central South University</i> , 2006, 13, 225-228.	0.5	1
76	Size-Frustrated Thickening Growth of Extended-Chain Crystals in a Poly (Ethylene) Terephthalate (PET) /Overlock 10 Tf 50 627 Td (Terephthalate) Science - Physics, 2011, 50, 444-452.	0.4	1
77	Construction of self-cloning industrial brewer's yeast with SOD1 gene insertion into PEP4 prosequence locus by homologous recombination. <i>Journal of the Institute of Brewing</i> , 2016, 122, 322-328.	0.8	1
78	A Field Study on the Indoor Thermal Environment of the Airport Terminal in Tibet Plateau in Winter. <i>Journal of Engineering (United States)</i> , 2017, 2017, 1-13.	0.5	1
79	PP- and Split PS-Wave AVA Responses of Fractured Shale. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-9.	0.6	1
80	Fluid prediction of a deep carbonate reservoir using walkaround 3D-3C vertical seismic profiling data. <i>Journal of Geophysics and Engineering</i> , 0, , .	0.7	1
81	Construction of stereocomplex granular dams in luminescent biopolymer systems. <i>CrystEngComm</i> , 2020, 22, 7628-7638.	1.3	1
82	Thin interbed AVA inversion based on a fast algorithm for reflectivity. <i>Acta Geophysica</i> , 2020, 68, 1007-1020.	1.0	1
83	Face Verification Technology Based on FaceNet Similarity Recognition Network. , 2021, , .		1
84	Joint consistent static correction of PP- and PS-waves: A case history of Basin A. <i>Geophysics</i> , 2022, 87, B207-B220.	1.4	1
85	Approximate equations of P -, PS_1 - and PS_2 -wave reflection coefficients in fluid-filled monoclinic media. <i>Geophysical Journal International</i> , 2022, 230, 1215-1238.	1.0	1
86	Mode-Selective Absorption and All-Optical Control Between Two Transverse Modes on Silicon-on-Insulator. <i>IEEE Photonics Journal</i> , 2019, 11, 1-9.	1.0	0
87	Vector processing of three-dimensional converted waves of orthotropic media: A case history of Huainan coalfield. , 2018, , .		0
88	Polymorphisms of Fatty Acid Elongase 2 Gene Affects Risk of Pulmonary Tuberculosis in China Han Population. <i>Iranian Journal of Public Health</i> , 2021, 50, 2254-2262.	0.3	0