

Xiang Gao

List of Publications by Year in descending order

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76
papers

2,621
citations

236925

25
h-index

197818

49
g-index

76
all docs

76
docs citations

76
times ranked

3758
citing authors

#	ARTICLE	IF	CITATIONS
1	CEO-director connectedness and firm's operational risk. Applied Economics Letters, 2022, 29, 1102-1106.	1.8	2
2	BNI-release mechanisms in plant root systems: current status of understanding. Biology and Fertility of Soils, 2022, 58, 225-233.	4.3	12
3	Governmental inspection and local legislation on environmental protection: Evidence from China. Journal of Economic Surveys, 2022, 36, 728-763.	6.6	12
4	Panoramic insights into semi-artificial photosynthesis: origin, development, and future perspective. Energy and Environmental Science, 2022, 15, 529-549.	30.8	30
5	The emotional cost-of-carry: Chinese investor sentiment and equity index futures basis. China Finance Review International, 2022, 12, 451-476.	8.4	6
6	Lattice QCD Determination of the Bjorken- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Dependence of Parton Distribution Functions at Next-to-Next-to-Leading Order. Physical Review Letters, 2022, 128, 142003.	7.8	22
7	Public diplomacy as a determinant of bilateral tourism between the influencer and influencee countries: evidence from the Asia-Pacific region. Asia Pacific Journal of Tourism Research, 2022, 27, 319-330.	3.7	0
8	High-sorgoleone producing sorghum genetic stocks suppress soil nitrification and N ₂ O emissions better than low-sorgoleone producing genetic stocks. Plant and Soil, 2022, 477, 793-805.	3.7	5
9	Institutional investor sentiment and aggregate stock returns. European Financial Management, 2021, 27, 899-924.	2.9	22
10	Achieving low-entropy secure cloud data auditing with file and authenticator deduplication. Information Sciences, 2021, 546, 177-191.	6.9	20
11	Modeling retirees' investment behaviors in the presence of health expenditure risk and financial crisis risk. Economic Modelling, 2021, 94, 442-454.	3.8	3
12	Temporal and spatial variations of water resources constraint intensity on urbanization in the Shiyang River Basin, China. Environment, Development and Sustainability, 2021, 23, 10038-10055.	5.0	5
13	Financial Twitter Sentiment on Bitcoin Return and High-Frequency Volatility. Virtual Economics, 2021, 4, 7-18.	7.6	22
14	Exogenous electricity flowing through cyanobacterial photosystem I drives CO ₂ valorization with high energy efficiency. Energy and Environmental Science, 2021, 14, 5480-5490.	30.8	19
15	On the Predictability of China Macro Indicator with Carbon Emissions Trading. Energies, 2021, 14, 1271.	3.1	4
16	An Evaluation of Coupling Coordination between Rural Development and Water Environment in Northwestern China. Land, 2021, 10, 405.	2.9	8
17	Towards studying the structural differences between the pion and its radial excitation. Physical Review D, 2021, 103, .	4.7	5
18	Torsional Stiffness of Extended and Plectonemic DNA. Physical Review Letters, 2021, 127, 028101.	7.8	27

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19	Enlisting wild grass genes to combat nitrification in wheat farming: A nature-based solution. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	49
20	Multiple-step value-at-risk forecasts based on volatility-filtered MIDAS quantile regression: Evidence from major investment assets. Investment Management and Financial Innovations, 2021, 18, 372-384.	1.6	1
21	Optimal Administrative Response to Selfish Behaviors in Urban Public Management: The Role of Zero-Determinant Strategies. Journal of Mathematics, 2021, 2021, 1-10.	1.0	1
22	Water poverty assessment based on the random forest algorithm: application to Gansu, Northwest China. Water Policy, 2021, 23, 1388-1399.	1.5	3
23	A Choice Model of University Endowments Governance. B E Journal of Theoretical Economics, 2021, 21, 269-285.	0.2	0
24	Negative Pressure Irrigation System Reduces Soil Nitrogen Loss for Lettuce during Greenhouse Production. Agronomy, 2021, 11, 2380.	3.0	3
25	Pion form factor and charge radius from lattice QCD at the physical point. Physical Review D, 2021, 104, .	4.7	12
26	Evaluation of potassium application on tomato performance and rhizosphere bacterial communities under negative pressure irrigation of greenhouse-grown. Journal of Plant Nutrition, 2020, 43, 317-326.	1.9	11
27	Secure auditing and deduplication for encrypted cloud data supporting ownership modification. Soft Computing, 2020, 24, 12197-12214.	3.6	10
28	Isovector parton distribution functions of the proton on a superfine lattice. Physical Review D, 2020, 102, .	4.7	34
29	How does real earnings management respond to the 2007-2008 financial crisis?. Pacific Accounting Review, 2020, 32, 495-517.	2.0	2
30	How do job vacancy rates predict firm performance? A web crawling massive data perspective. Pacific-Basin Finance Journal, 2020, 62, 101371.	3.9	1
31	Effect of Cooling Rate and Slag Modification on the Copper Matte in Smelting Slag. Mining, Metallurgy and Exploration, 2020, 37, 1593-1601.	0.8	7
32	Laser writing of nitrogen-doped silicon carbide for biological modulation. Science Advances, 2020, 6, .	10.3	33
33	Valence parton distribution of the pion from lattice QCD: Approaching the continuum limit. Physical Review D, 2020, 102, .	4.7	56
34	Structured silicon for revealing transient and integrated signal transductions in microbial systems. Science Advances, 2020, 6, eaay2760.	10.3	14
35	Dynamic and Programmable Cellular-Scale Granules Enable Tissue-like Materials. Matter, 2020, 2, 948-964.	10.0	30
36	Post-translational regulation of plasma membrane H ⁺ -ATPase is involved in the release of biological nitrification inhibitors from sorghum roots. Plant and Soil, 2020, 450, 357-372.	3.7	9

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37	On the Role of Projected FDI Inflows in Shaping Institutions. <i>East Asian Economic Review</i> , 2020, 24, 441-468.	0.6	2
38	Risk capital reserve and measurement precision in modeling heavy-tailed single operational losses. <i>Journal of Operational Risk</i> , 2020, 15, .	0.2	1
39	Volatility Estimated Based on the Holding-Period Return versus the Logarithmic Return: <i><i>Their Difference Can Make a Difference</i></i> . <i>Journal of Portfolio Management</i> , 2020, 46, 108-119.	0.6	2
40	Nanocatalystsâ€Augmented and Photothermalâ€Enhanced Tumorâ€Specific Sequential Nanocatalytic Therapy in Both NIRâ€I and NIRâ€II Biowindows. <i>Advanced Materials</i> , 2019, 31, e1805919.	21.0	347
41	Multi-function Quantum Cryptography Protocol Based on Bell State. <i>Lecture Notes in Computer Science</i> , 2019, , 110-119.	1.3	0
42	Stable water and fertilizer supply by negative pressure irrigation improve tomato production and soil bacterial communities. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	9
43	Practical quantum private query based on Bell state. <i>Modern Physics Letters A</i> , 2019, 34, 1950196.	1.2	11
44	Synergistic Coordination of Chromatin Torsional Mechanics and Topoisomerase Activity. <i>Cell</i> , 2019, 179, 619-631.e15.	28.9	44
45	Direct Measurement of Length Scale Dependence of the Hydrophobic Free Energy of a Single Collapsed Polymer Nanosphere. <i>Physical Review Letters</i> , 2019, 122, 047801.	7.8	21
46	Nongenetic optical neuromodulation with silicon-based materials. <i>Nature Protocols</i> , 2019, 14, 1339-1376.	12.0	62
47	Ultrathin Molybdenum Carbide MXene with Fast Biodegradability for Highly Efficient Theoryâ€Oriented Photonic Tumor Hyperthermia. <i>Advanced Functional Materials</i> , 2019, 29, 1901942.	14.9	150
48	Improving the Growth of Rapeseed (<i>Brassica chinensis</i> L.) and the Composition of Rhizosphere Bacterial Communities through Negative Pressure Irrigation. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	9
49	Transcription factor regulation of RNA polymeraseâ€TM's torque generation capacity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2583-2588.	7.1	36
50	Maleimideâ€thiol adducts stabilized through stretching. <i>Nature Chemistry</i> , 2019, 11, 310-319.	13.6	154
51	Rationally designed synthetic protein hydrogels with predictable mechanical properties. <i>Nature Communications</i> , 2018, 9, 620.	12.8	145
52	Rational design of silicon structures for optically controlled multiscale biointerfaces. <i>Nature Biomedical Engineering</i> , 2018, 2, 508-521.	22.5	183
53	Graphene Thin Films by Noncovalent-Interaction-Driven Assembly of Graphene Monolayers for Flexible Supercapacitors. <i>CheM</i> , 2018, 4, 896-910.	11.7	48
54	Trade liberalization and markups: Micro evidence from China. <i>Journal of Comparative Economics</i> , 2018, 46, 103-130.	2.2	48

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55	Quantum Private Query Protocol Based on EPR Pairs. Chinese Journal of Electronics, 2018, 27, 256-262.	1.5	8
56	Potassium-induced plant resistance against soybean cyst nematode via root exudation of phenolic acids and plant pathogen-related genes. PLoS ONE, 2018, 13, e0200903.	2.5	28
57	Cryptanalysis of the Quantum Private Comparison Protocol Based on the Entanglement Swapping Between Three-Particle W-Class State and Bell State. International Journal of Theoretical Physics, 2018, 57, 1716-1722.	1.2	14
58	Quantum Private Query Based on Bell State and Single Photons. International Journal of Theoretical Physics, 2018, 57, 1983-1989.	1.2	17
59	Texturing Silicon Nanowires for Highly Localized Optical Modulation of Cellular Dynamics. Nano Letters, 2018, 18, 4487-4492.	9.1	45
60	Domestic Creditor Rights and External Private Debt. Economic Journal, 2017, 127, 2410-2440.	3.6	4
61	Cryptanalysis and Improvement of the Semi-quantum Secret Sharing Protocol. International Journal of Theoretical Physics, 2017, 56, 2512-2520.	1.2	27
62	Balanced activation of IspG and IspH to eliminate MEP intermediate accumulation and improve isoprenoids production in Escherichia coli. Metabolic Engineering, 2017, 44, 13-21.	7.0	51
63	Synergy between methylerythritol phosphate pathway and mevalonate pathway for isoprene production in Escherichia coli. Metabolic Engineering, 2016, 37, 79-91.	7.0	118
64	News shock, firm dynamics and business cycles: Evidence and theory. Journal of Economic Dynamics and Control, 2016, 73, 159-180.	1.6	6
65	Engineering the methylerythritol phosphate pathway in cyanobacteria for photosynthetic isoprene production from CO ₂ . Energy and Environmental Science, 2016, 9, 1400-1411.	30.8	212
66	Connection Parameters of Heavy-tailed Operational Risk Measurement Model and Management Model. Journal of Risk Analysis and Crisis Response (JRACR), 2016, 6, 122.	0.3	0
67	Root Interactions in a Maize/Soybean Intercropping System Control Soybean Soil-Borne Disease, Red Crown Rot. PLoS ONE, 2014, 9, e95031.	2.5	88
68	Single-molecule force spectroscopy reveals force-enhanced binding of calcium ions by gelsolin. Nature Communications, 2014, 5, 4623.	12.8	36
69	The temporal-spatial variation of water resources constraint on urbanization in the northwestern China: examples from the Gansu section of west Longhai "Lanxin economic zone. Environmental Earth Sciences, 2014, 71, 4029-4037.	2.7	6
70	One-Step Photo Synthesis of Protein "Drug Nanoassemblies for Drug Delivery. Advanced Healthcare Materials, 2013, 2, 795-799.	7.6	23
71	The extensive margin of intrafirm trade. International Journal of Economics and Business Research, 2012, 4, 213.	0.2	0
72	A genetically encoded copper(i) sensor based on engineered structural distortion of EGFP. Chemical Communications, 2012, 48, 3890.	4.1	33

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73	Single-Molecule Experiments Reveal the Flexibility of a Per-ARNT-Sim Domain and the Kinetic Partitioning in the Unfolding Pathway under Force. <i>Biophysical Journal</i> , 2012, 102, 2149-2157.	0.5	25
74	Co-Inoculation with Rhizobia and AMF Inhibited Soybean Red Crown Rot: From Field Study to Plant Defense-Related Gene Expression Analysis. <i>PLoS ONE</i> , 2012, 7, e33977.	2.5	61
75	Crop Root Behavior Coordinates Phosphorus Status and Neighbors: From Field Studies to Three-Dimensional in Situ Reconstruction of Root System Architecture. <i>Plant Physiology</i> , 2011, 155, 1277-1285.	4.8	43
76	LASSO-based high-frequency return predictors for profitable Bitcoin investment. <i>Applied Economics Letters</i> , 0, , 1-5.	1.8	4