Fei Hu

List of Publications by Year
in descending order

56 papers	2,995 citations	279701 23 h-index	243529 44 g-index
57 all docs	57 docs citations	57 times ranked	4244 citing authors

#	Article	IF	Citations
1	An inferior-superior colliculus circuit controls auditory cue-directed visual spatial attention. Neuron, 2022, 110, 109-119.e3.	3.8	15
2	A flexible thin film lithium battery with a chemical vapor deposited organic complex cathode. Journal of Materials Chemistry A, 2022, 10, 8390-8400.	5.2	7
3	Recent advancements in metal–organic frameworks for green applications. Green Energy and Environment, 2021, 6, 33-49.	4.7	111
4	Standardized and reproducible measurement of decision-making in mice. ELife, 2021, 10, .	2.8	88
5	"Mirror-like"Electrodeposition of Lithium Metal Under a Low-Resistance Artificial Solid Electrolyte Interphase Layer. ECS Meeting Abstracts, 2021, MA2021-01, 367-367.	0.0	0
6	Free abelian group actions on normal projective varieties: submaximal dynamical rank case. Canadian Journal of Mathematics, 2021, 73, 1057-1073.	0.3	0
7	A hierarchical indexing strategy for optimizing Apache Spark with HDFS to efficiently query big geospatial raster data. International Journal of Digital Earth, 2020, 13, 410-428.	1.6	16
8	A theorem of Tits type for automorphism groups of projective varieties in arbitrary characteristic. Mathematische Annalen, 2020, 377, 1573-1602.	0.7	6
9	SOVAS: a scalable online visual analytic system for big climate data analysis. International Journal of Geographical Information Science, 2020, 34, 1188-1209.	2.2	11
10	Energy-dense Li metal anodes enabled by thin film electrolytes. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	0.9	6
11	Mirror-Like Electrodeposition of Lithium Metal under a Low-Resistance Artificial Solid Electrolyte Interphase Layer. ACS Applied Materials & Interfaces, 2020, 12, 39674-39684.	4.0	7
12	Height gap conjectures, D-finiteness, and a weak dynamical Mordell–Lang conjecture. Mathematische Annalen, 2020, 378, 971-992.	0.7	6
13	Constructing Stable Anodic Interphase for Quasi-Solid-State Lithium–Sulfur Batteries. ACS Applied Materials & Interfaces, 2020, 12, 39335-39341.	4.0	12
14	Advanced Characterization Techniques for Interface in All‐Solid‐State Batteries. Small Methods, 2020, 4, 2000111.	4.6	35
15	Construct an Ultrathin Bismuth Buffer for Stable Solid-State Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2020, 12, 12793-12800.	4.0	29
16	Uniform Electrodeposition of Lithium Metal Under an Artificial Solid Electrolyte Interphase Layer. ECS Meeting Abstracts, 2020, MA2020-01, 551-551.	0.0	0
17	(Invited) Lithium Batteries Enabled By Thin Film Composite Solid Electrolyte Separators. ECS Meeting Abstracts, 2020, MA2020-01, 55-55.	0.0	0
18	Prefrontal Corticotectal Neurons Enhance Visual Processing through the Superior Colliculus and Pulvinar Thalamus. Neuron, 2019, 104, 1141-1152.e4.	3.8	58

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19	Big Earth data analytics: a survey. Big Earth Data, 2019, 3, 83-107.	2.0	53
20	An Excitatory Circuit in the Perioculomotor Midbrain for Non-REM Sleep Control. Cell, 2019, 177, 1293-1307.e16.	13.5	54
21	Cobalt-embedded carbon nanofiber as electrocatalyst for polysulfide redox reaction in lithium sulfur batteries. Electrochimica Acta, 2019, 304, 11-19.	2.6	57
22	Cohomological and numerical dynamical degrees on abelian varieties. Algebra and Number Theory, 2019, 13, 1941-1958.	0.3	4
23	A graph-based approach to detecting tourist movement patterns using social media data. Cartography and Geographic Information Science, 2019, 46, 368-382.	1.4	48
24	A variant of the Mordell–Lang conjecture. Mathematical Research Letters, 2019, 26, 1383-1392.	0.2	0
25	Model Asset eXchange. , 2019, , .		0
26	The dimension of automorphism groups of algebraic varieties with pseudo-effective log canonical divisors. Proceedings of the American Mathematical Society, 2018, 146, 1879-1893.	0.4	0
27	ClimateSpark: An in-memory distributed computing framework for big climate data analytics. Computers and Geosciences, 2018, 115, 154-166.	2.0	34
28	Towards intelligent geospatial data discovery: a machine learning framework for search ranking. International Journal of Digital Earth, 2018, 11, 956-971.	1.6	16
29	Evaluating the Open Source Data Containers for Handling Big Geospatial Raster Data. ISPRS International Journal of Geo-Information, 2018, 7, 144.	1.4	18
30	Utilizing MapReduce to Improve Probe-Car Track Data Mining. ISPRS International Journal of Geo-Information, 2018, 7, 287.	1.4	4
31	A Smart Web-Based Geospatial Data Discovery System with Oceanographic Data as an Example. ISPRS International Journal of Geo-Information, 2018, 7, 62.	1.4	13
32	Periodic subvarieties of a projective variety under the action of a maximal rank abelian group of positive entropy. Asian Journal of Mathematics, 2018, 22, 451-476.	0.3	0
33	A spatiotemporal indexing approach for efficient processing of big array-based climate data with MapReduce. International Journal of Geographical Information Science, 2017, 31, 17-35.	2.2	54
34	A Central Catecholaminergic Circuit Controls Blood Glucose Levels during Stress. Neuron, 2017, 95, 138-152.e5.	3.8	59
35	A high performance query analytical framework for supporting data-intensive climate studies. Computers, Environment and Urban Systems, 2017, 62, 210-221.	3.3	19
36	A strategy of selective and dendrite-free lithium deposition for lithium batteries. Nano Energy, 2017, 42, 262-268.	8.2	90

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37	Reversible mechanochromic and thermochromic luminescence switching via hydrogen-bond-directed assemblies in a zinc coordination complex. CrystEngComm, 2017, 19, 6259-6262.	1.3	13
38	Retrograde inhibition by a specific subset of interpeduncular α5 nicotinic neurons regulates nicotine preference. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13012-13017.	3.3	41
39	Utilizing Cloud Computing to address big geospatial data challenges. Computers, Environment and Urban Systems, 2017, 61, 120-128.	3.3	138
40	Big Data and cloud computing: innovation opportunities and challenges. International Journal of Digital Earth, 2017, 10, 13-53.	1.6	537
41	A High Performance, Spatiotemporal Statistical Analysis System Based on a Spatiotemporal Cloud Platform. ISPRS International Journal of Geo-Information, 2017, 6, 165.	1.4	5
42	Automatic Scaling Hadoop in the Cloud for Efficient Process of Big Geospatial Data. ISPRS International Journal of Geo-Information, 2016, 5, 173.	1.4	37
43	Leveraging cloud computing to speedup user access log mining. , 2016, , .		0
44	Serotonin neurons in the dorsal raphe nucleus encode reward signals. Nature Communications, 2016, 7, 10503.	5.8	299
45	Presynaptic Excitation via GABA B Receptors in Habenula Cholinergic Neurons Regulates Fear Memory Expression. Cell, 2016, 166, 716-728.	13.5	132
46	Compact Kähler manifolds admitting large solvable groups of automorphisms. Advances in Mathematics, 2015, 281, 333-352.	0.5	12
47	Habenular CB1 Receptors Control the Expression of Aversive Memories. Neuron, 2015, 88, 306-313.	3.8	81
48	Criteria for the existence of equivariant fibrations on algebraic surfaces and hyperkähler manifolds and equality of automorphisms up to powers: a dynamical viewpoint. Journal of the London Mathematical Society, 2015, 92, 724-735.	0.5	2
49	Ampleness of canonical divisors of hyperbolic normal projective varieties. Mathematische Zeitschrift, 2014, 278, 1179-1193.	0.4	10
50	Dorsal Raphe Neurons Signal Reward through 5-HT and Glutamate. Neuron, 2014, 81, 1360-1374.	3.8	392
51	Natriuretic peptides block synaptic transmission by activating phosphodiesterase 2A and reducing presynaptic PKA activity. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17681-17686.	3.3	27
52	Habenula â€œCholinergicâ€•Neurons Corelease Glutamate and Acetylcholine and Activate Postsynaptic Neurons via Distinct Transmission Modes. Neuron, 2011, 69, 445-452.	3.8	284
53	Leveraging LSTM for rapid intensifications prediction of tropical cyclones. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-4/W2, 101-105.	0.0	14
54	EFFICIENT LIDAR POINT CLOUD DATA MANAGING AND PROCESSING IN A HADOOP-BASED DISTRIBUTED FRAMEWORK. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-4/W2, 121-124.	0.0	5

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55	BUILDING SPATIOTEMPORAL CLOUD PLATFORM FOR SUPPORTING GIS APPLICATION. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-4/W2, 55-62.	0.0	8
56	A HADOOP-BASED DISTRIBUTED FRAMEWORK FOR EFFICIENT MANAGING AND PROCESSING BIG REMOTE SENSING IMAGES. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-4/W2, 63-66.	0.0	12