

Fei Hu

List of Publications by Year in descending order

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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	Big Data and cloud computing: innovation opportunities and challenges. International Journal of Digital Earth, 2017, 10, 13-53.	1.6	537
2	Dorsal Raphe Neurons Signal Reward through 5-HT and Glutamate. Neuron, 2014, 81, 1360-1374.	3.8	392
3	Serotonin neurons in the dorsal raphe nucleus encode reward signals. Nature Communications, 2016, 7, 10503.	5.8	299
4	Habenula α -Cholinergic Neurons Corelease Glutamate and Acetylcholine and Activate Postsynaptic Neurons via Distinct Transmission Modes. Neuron, 2011, 69, 445-452.	3.8	284
5	Utilizing Cloud Computing to address big geospatial data challenges. Computers, Environment and Urban Systems, 2017, 61, 120-128.	3.3	138
6	Presynaptic Excitation via GABA B Receptors in Habenula Cholinergic Neurons Regulates Fear Memory Expression. Cell, 2016, 166, 716-728.	13.5	132
7	Recent advancements in metal-organic frameworks for green applications. Green Energy and Environment, 2021, 6, 33-49.	4.7	111
8	A strategy of selective and dendrite-free lithium deposition for lithium batteries. Nano Energy, 2017, 42, 262-268.	8.2	90
9	Standardized and reproducible measurement of decision-making in mice. ELife, 2021, 10, .	2.8	88
10	Habenular CB1 Receptors Control the Expression of Aversive Memories. Neuron, 2015, 88, 306-313.	3.8	81
11	A Central Catecholaminergic Circuit Controls Blood Glucose Levels during Stress. Neuron, 2017, 95, 138-152.e5.	3.8	59
12	Prefrontal Corticotectal Neurons Enhance Visual Processing through the Superior Colliculus and Pulvinar Thalamus. Neuron, 2019, 104, 1141-1152.e4.	3.8	58
13	Cobalt-embedded carbon nanofiber as electrocatalyst for polysulfide redox reaction in lithium sulfur batteries. Electrochimica Acta, 2019, 304, 11-19.	2.6	57
14	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
15	An Excitatory Circuit in the Periocolomotor Midbrain for Non-REM Sleep Control. Cell, 2019, 177, 1293-1307.e16.	13.5	54
16	Big Earth data analytics: a survey. Big Earth Data, 2019, 3, 83-107.	2.0	53
17	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
18	Retrograde inhibition by a specific subset of interpeduncular ± 5 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

#	ARTICLE	IF	CITATIONS
19	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
20	Advanced Characterization Techniques for Interface in All-Solid-State Batteries. Small Methods, 2020, 4, 2000111.	4.6	35
21	ClimateSpark: An in-memory distributed computing framework for big climate data analytics. Computers and Geosciences, 2018, 115, 154-166.	2.0	34
22	Construct an Ultrathin Bismuth Buffer for Stable Solid-State Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2020, 12, 12793-12800.	4.0	29
23	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
24	A high performance query analytical framework for supporting data-intensive climate studies. Computers, Environment and Urban Systems, 2017, 62, 210-221.	3.3	19
25	Evaluating the Open Source Data Containers for Handling Big Geospatial Raster Data. ISPRS International Journal of Geo-Information, 2018, 7, 144.	1.4	18
26	Towards intelligent geospatial data discovery: a machine learning framework for search ranking. International Journal of Digital Earth, 2018, 11, 956-971.	1.6	16
27	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
28	An inferior-superior colliculus circuit controls auditory cue-directed visual spatial attention. Neuron, 2022, 110, 109-119.e3.	3.8	15
29	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
30	Reversible mechanochromic and thermochromic luminescence switching via hydrogen-bond-directed assemblies in a zinc coordination complex. CrystEngComm, 2017, 19, 6259-6262.	1.3	13
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	Compact Kähler manifolds admitting large solvable groups of automorphisms. Advances in Mathematics, 2015, 281, 333-352.	0.5	12
33	Constructing Stable Anodic Interphase for Quasi-Solid-State Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2020, 12, 39335-39341.	4.0	12
34	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
35	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
36	Ampleness of canonical divisors of hyperbolic normal projective varieties. Mathematische Zeitschrift, 2014, 278, 1179-1193.	0.4	10

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	A theorem of Tits type for automorphism groups of projective varieties in arbitrary characteristic. Mathematische Annalen, 2020, 377, 1573-1602.	0.7	6
41	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
42	Height gap conjectures, D-finiteness, and a weak dynamical Mordell–Lang conjecture. Mathematische Annalen, 2020, 378, 971-992.	0.7	6
43	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
44	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
45	Utilizing MapReduce to Improve Probe-Car Track Data Mining. ISPRS International Journal of Geo-Information, 2018, 7, 287.	1.4	4
46	Cohomological and numerical dynamical degrees on abelian varieties. Algebra and Number Theory, 2019, 13, 1941-1958.	0.3	4
47	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
48	Leveraging cloud computing to speedup user access log mining. , 2016, , .		0
49	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
50	“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
51	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
52	A variant of the Mordell–Lang conjecture. Mathematical Research Letters, 2019, 26, 1383-1392.	0.2	0
53	Model Asset eXchange. , 2019, , .		0
54	Uniform Electrodeposition of Lithium Metal Under an Artificial Solid Electrolyte Interphase Layer. ECS Meeting Abstracts, 2020, MA2020-01, 551-551.	0.0	0

#	ARTICLE	IF	CITATIONS
55	(Invited) Lithium Batteries Enabled By Thin Film Composite Solid Electrolyte Separators. ECS Meeting Abstracts, 2020, MA2020-01, 55-55.	0.0	0
56	Free abelian group actions on normal projective varieties: submaximal dynamical rank case. Canadian Journal of Mathematics, 2021, 73, 1057-1073.	0.3	0