

Hao Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2321500/publications.pdf>

Version: 2024-02-01

44
papers

836
citations

567144

15
h-index

552653

26
g-index

44
all docs

44
docs citations

44
times ranked

1359
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible and Self-Powered Photodetector Arrays Based on All-Inorganic CsPbBr ₃ Quantum Dots. <i>Advanced Materials</i> , 2020, 32, e2000004.	11.1	134
2	High Detectivity and Transparent Few-Layer MoS ₂ /Glassy-Graphene Heterostructure Photodetectors. <i>Advanced Materials</i> , 2018, 30, e1706561.	11.1	111
3	MoS ₂ -OH Bilayer-Mediated Growth of Inch-Sized Monolayer MoS ₂ on Arbitrary Substrates. <i>Journal of the American Chemical Society</i> , 2019, 141, 5392-5401.	6.6	87
4	Enhanced performance of ZnO nanoparticle decorated all-inorganic CsPbBr ₃ quantum dot photodetectors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6134-6142.	5.2	64
5	Energy Efficient Non-Orthogonal Multiple Access for Machine-to-Machine Communications. <i>IEEE Communications Letters</i> , 2017, 21, 817-820.	2.5	45
6	Energy-Efficient Resource Allocation in D2D Underlaid Cellular Uplinks. <i>IEEE Communications Letters</i> , 2017, 21, 560-563.	2.5	42
7	Downlink Resource Allocation and Power Control for Device-to-Device Communication Underlying Cellular Networks. <i>IEEE Communications Letters</i> , 2016, , 1-1.	2.5	30
8	Pilot Reuse Among D2D Users in D2D Underlaid Massive MIMO Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 467-482.	3.9	30
9	Pilot Allocation and Power Control in D2D Underlay Massive MIMO Systems. <i>IEEE Communications Letters</i> , 2017, 21, 112-115.	2.5	27
10	BacS: A blockchain-based access control scheme in distributed internet of things. <i>Peer-to-Peer Networking and Applications</i> , 2021, 14, 2585-2599.	2.6	23
11	Spatially Bandgap-Graded MoS ₂ (1-x)Se _{2x} Homo Junctions for Self-Powered Visible-Near-Infrared Phototransistors. <i>Nano-Micro Letters</i> , 2020, 12, 26.	14.4	22
12	Epitaxial Growth of Few-Layer Black Phosphorene Quantum Dots on Si Substrates. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801048.	1.9	20
13	Association and Load Optimization With User Priorities in Load-Coupled Heterogeneous Networks. <i>IEEE Transactions on Wireless Communications</i> , 2018, 17, 324-338.	6.1	19
14	Joint Time Allocation and Power Control in Multicell Networks With Load Coupling: Energy Saving and Rate Improvement. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 10470-10485.	3.9	16
15	Dynamic Resource Allocation for LTE-Based Vehicle-to-Infrastructure Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 5017-5030.	3.9	15
16	Improving Wireless Physical Layer Security via D2D Communication. , 2018, , .		11
17	Dynamic AP Clustering and Precoding for User-Centric Virtual Cell Networks. <i>IEEE Transactions on Communications</i> , 2019, 67, 2504-2516.	4.9	11
18	Weighted Sum Secrecy Rate Maximization for D2D Underlaid Cellular Networks. <i>IEEE Transactions on Communications</i> , 2020, 68, 349-362.	4.9	11

#	ARTICLE	IF	CITATIONS
19	Ambipolar and Robust WSe ₂ Field-Effect Transistors Utilizing Self-Assembled Edge Oxides. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901628.	1.9	11
20	User Association, Resource Allocation and Power Control in Load-Coupled Heterogeneous Networks. , 2016, , .		10
21	Power control and performance analysis for full-duplex relay-assisted D2D communication underlying fifth generation cellular networks. <i>IET Communications</i> , 2017, 11, 2729-2734.	1.5	10
22	Energy Efficient Beamforming for User-Centric Virtual Cell Networks. <i>IEEE Transactions on Green Communications and Networking</i> , 2019, 3, 575-590.	3.5	8
23	Resource Allocation for UAV-Assisted IoT Networks with Energy Harvesting and Computation Offloading. , 2019, , .		7
24	Channel Allocation and Power Control in D2D Uplink Underlaid Cellular Networks. , 2016, , .		6
25	Power Control in D2D Underlay Massive MIMO Systems with Pilot Reuse. , 2016, , .		6
26	Robust Beamforming With Pilot Reuse Scheduling in a Heterogeneous Cloud Radio Access Network. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 7242-7256.	3.9	6
27	Power control and resource allocation for multi-cell OFDM networks. , 2016, , .		5
28	Robust Transmission Design for Multicell D2D Underlaid Cellular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 5922-5936.	3.9	5
29	An Achievable Region for the Multiple Access Wiretap Channels with Confidential and Open Messages. , 2020, , .		5
30	Multifunctional two-dimensional glassy graphene devices for vis-NIR photodetection and volatile organic compound sensing. <i>Science China Materials</i> , 2021, 64, 1964-1976.	3.5	5
31	Information Bottleneck for a Rayleigh Fading MIMO Channel with an Oblivious Relay. <i>Information (Switzerland)</i> , 2021, 12, 155.	1.7	5
32	Achievable Regions and Precoder Designs for the Multiple Access Wiretap Channels With Confidential and Open Messages. <i>IEEE Journal on Selected Areas in Communications</i> , 2022, 40, 1407-1427.	9.7	5
33	Resource Allocation for Energy-Efficient Transmission in D2D Underlaid Cellular Networks. , 2016, , .		4
34	Cell load coupling with power control for LTE network planning. , 2015, , .		3
35	Energy-Efficient Optimization with Cell Load Coupling for OFDM Networks. , 2016, , .		3
36	Performance analysis for full-duplex relaying D2D communications in cellular networks. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
37	Power Control and Resource Allocation for Multi-Cell OFDM Networks With Load Coupling. IEEE Access, 2018, 6, 15969-15979.	2.6	3
38	Precoder design in user-centric virtual cell networks. , 2017, , .		2
39	Performance Analysis of User-Centric Virtual Cell Dense Networks over mmWave Channels. , 2018, , .		2
40	A low complexity MIMO-OFDM detector with interference cancellation in time-varying channels. , 2015, , .		1
41	Relay-Assisted Device-to-Device Communications for Video Transmission in Cellular Networks. , 2015, , .		1
42	Information Bottleneck for an Oblivious Relay with Channel State Information: the Vector Case. , 2021, , .		1
43	Device Selection of Distributed Primal-Dual Algorithms Over Wireless Networks. , 2021, , .		1
44	Asynchronous detection for machine-to-machine systems with code division multiple access. , 2017, , .		0