

# Hao Xu

## List of Publications by Year in descending order

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44  
papers

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citations

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docs citations

44  
times ranked

1359  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Information Bottleneck for a Rayleigh Fading MIMO Channel with an Oblivious Relay. <i>Information (Switzerland)</i> , 2021, 12, 155.	1.7	5
5	Information Bottleneck for an Oblivious Relay with Channel State Information: the Vector Case. , 2021, , .		1
6	Device Selection of Distributed Primal-Dual Algorithms Over Wireless Networks. , 2021, , .		1
7	Weighted Sum Secrecy Rate Maximization for D2D Underlaid Cellular Networks. <i>IEEE Transactions on Communications</i> , 2020, 68, 349-362.	4.9	11
8	Ambipolar and Robust WSe <sub>2</sub> Field-Effect Transistors Utilizing Self-Assembled Edge Oxides. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901628.	1.9	11
9	An Achievable Region for the Multiple Access Wiretap Channels with Confidential and Open Messages. , 2020, , .		5
10	Spatially Bandgap-Graded MoS <sub>2</sub> (1-x)Se <sub>2x</sub> Homojunctions for Self-Powered Visible-Near-Infrared Phototransistors. <i>Nano-Micro Letters</i> , 2020, 12, 26.	14.4	22
11	Flexible and Self-Powered Photodetector Arrays Based on All-Inorganic CsPbBr <sub>3</sub> Quantum Dots. <i>Advanced Materials</i> , 2020, 32, e2000004.	11.1	134
12	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
13	Dynamic AP Clustering and Precoding for User-Centric Virtual Cell Networks. <i>IEEE Transactions on Communications</i> , 2019, 67, 2504-2516.	4.9	11
14	MoS <sub>2</sub> -OH Bilayer-Mediated Growth of Inch-Sized Monolayer MoS <sub>2</sub> on Arbitrary Substrates. <i>Journal of the American Chemical Society</i> , 2019, 141, 5392-5401.	6.6	87
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	Enhanced performance of ZnO nanoparticle decorated all-inorganic CsPbBr <sub>3</sub> quantum dot photodetectors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6134-6142.	5.2	64
17	Resource Allocation for UAV-Assisted IoT Networks with Energy Harvesting and Computation Offloading. , 2019, , .		7
18	Robust Transmission Design for Multicell D2D Underlaid Cellular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 5922-5936.	3.9	5

#	ARTICLE	IF	CITATIONS
19	Association and Load Optimization With User Priorities in Load-Coupled Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2018, 17, 324-338.	6.1	19
20	High Detectivity and Transparent Fewâ€Layer MoS <sub>2</sub> /Glassyâ€Graphene Heterostructure Photodetectors. Advanced Materials, 2018, 30, e1706561.	11.1	111
21	Power Control and Resource Allocation for Multi-Cell OFDM Networks With Load Coupling. IEEE Access, 2018, 6, 15969-15979.	2.6	3
22	Pilot Reuse Among D2D Users in D2D Underlaid Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 467-482.	3.9	30
23	Improving Wireless Physical Layer Security via D2D Communication. , 2018, , .		11
24	Performance Analysis of User-Centric Virtual Cell Dense Networks over mmWave Channels. , 2018, , .		2
25	Epitaxial Growth of Fewâ€Layer Black Phosphorene Quantum Dots on Si Substrates. Advanced Materials Interfaces, 2018, 5, 1801048.	1.9	20
26	Robust Beamforming With Pilot Reuse Scheduling in a Heterogeneous Cloud Radio Access Network. IEEE Transactions on Vehicular Technology, 2018, 67, 7242-7256.	3.9	6
27	Energy Efficient Non-Orthogonal Multiple Access for Machine-to-Machine Communications. IEEE Communications Letters, 2017, 21, 817-820.	2.5	45
28	Energy-Efficient Resource Allocation in D2D Underlaid Cellular Uplinks. IEEE Communications Letters, 2017, 21, 560-563.	2.5	42
29	Joint Time Allocation and Power Control in Multicell Networks With Load Coupling: Energy Saving and Rate Improvement. IEEE Transactions on Vehicular Technology, 2017, 66, 10470-10485.	3.9	16
30	Pilot Allocation and Power Control in D2D Underlay Massive MIMO Systems. IEEE Communications Letters, 2017, 21, 112-115.	2.5	27
31	Asynchronous detection for machine-to-machine systems with code division multiple access. , 2017, , .		0
32	Power control and performance analysis for fullâ€duplex relayâ€assisted D2D communication underlying fifth generation cellular networks. IET Communications, 2017, 11, 2729-2734.	1.5	10
33	Precoder design in user-centric virtual cell networks. , 2017, , .		2
34	Performance analysis for full-duplex relaying D2D communications in cellular networks. , 2017, , .		3
35	User Association, Resource Allocation and Power Control in Load-Coupled Heterogeneous Networks. , 2016, , .		10
36	Channel Allocation and Power Control in D2D Uplink Underlaid Cellular Networks. , 2016, , .		6

#	ARTICLE	IF	CITATIONS
37	Resource Allocation for Energy-Efficient Transmission in D2D Underlaid Cellular Networks. , 2016, , .		4
38	Energy-Efficient Optimization with Cell Load Coupling for OFDM Networks. , 2016, , .		3
39	Downlink Resource Allocation and Power Control for Device-to-Device Communication Underlying Cellular Networks. IEEE Communications Letters, 2016, , 1-1.	2.5	30
40	Power control and resource allocation for multi-cell OFDM networks. , 2016, , .		5
41	Power Control in D2D Underlay Massive MIMO Systems with Pilot Reuse. , 2016, , .		6
42	A low complexity MIMO-OFDM detector with interference cancellation in time-varying channels. , 2015, , .		1
43	Relay-Assisted Device-to-Device Communications for Video Transmission in Cellular Networks. , 2015, , .		1
44	Cell load coupling with power control for LTE network planning. , 2015, , .		3