# Yuh-Shyan Chen

List of Publications by Year
in descending order

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| 107 | 3,772 | 361045 | 143772 |
|---|---|---|---|
| papers | citations | 20 h-index | 57 g-index |

| 110 | 110 | 110 | 2919 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Broadcast Storm Problem in a Mobile Ad Hoc Network. Wireless Networks, 2002, 8, 153-167. | 2.0 | 1,100 |
| 2 | Vehicular ad hoc networks (VANETS): status, results, andÂchallenges. Telecommunication Systems, 2012, 50, 217-241. | 1.6 | 908 |
| 3 | A mobile learning system for scaffolding bird watching learning. Journal of Computer Assisted Learning, 2003, 19, 347-359. | 3.3 | 309 |
| 4 | Mobicast Routing Protocol for Underwater Sensor Networks. IEEE Sensors Journal, 2013, 13, 737-749. | 2.4 | 119 |
| 5 | A mobile scaffolding-aid-based bird-watching learning system. , 0, , . | | 111 |
| 6 | DeuceScan: Deuce-Based Fast Handoff Scheme in IEEE 802.11 Wireless Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 1126-1141. | 3.9 | 74 |
| 7 | A cross-layer protocol of spectrum mobility and handover in cognitive LTE networks. Simulation Modelling Practice and Theory, 2011, 19, 1723-1744. | 2.2 | 61 |
| 8 | A mobile butterfly-watching learning system for supporting independent learning. , 0, , . | | 59 |
| 9 | DIR: diagonal-intersection-based routing protocol for vehicular ad hoc networks. Telecommunication Systems, 2011, 46, 299-316. | 1.6 | 56 |
| 10 | A Mobicast Routing Protocol in Vehicular Ad-Hoc Networks. Mobile Networks and Applications, 2010, 15, 20-35. | 2.2 | 54 |
| 11 | An on-demand, link-state, multi-path QoS routing in a wireless mobile ad-hoc network. Computer Communications, 2004, 27, 27-40. | 3.1 | 52 |
| 12 | Realizing Outdoor Independent Learning with a Butterfly-Watching Mobile Learning System. Journal of Educational Computing Research, 2005, 33, 395-417. | 3.6 | 48 |
| 13 | Seamless session mobility scheme in heterogeneous wireless networks. International Journal of Communication Systems, 2011, 24, 789-809. | 1.6 | 37 |
| 14 | Cross-layer design vehicle-aided handover scheme in VANETs. Wireless Communications and Mobile Computing, 2011, 11, 916-928. | 0.8 | 34 |
| 15 | A Relay-Assisted Protocol for Spectrum Mobility and Handover in Cognitive LTE Networks. IEEE Systems Journal, 2013, 7, 77-91. | 2.9 | 33 |
| 16 | Network Mobility Protocol for Vehicular Ad Hoc Networks. , 2009, , . | | 31 |
| 17 | An Enhanced Group Mobility Protocol for 6LoWPAN-Based Wireless Body Area Networks. IEEE Sensors Journal, 2014, 14, 797-807. | 2.4 | 31 |
| 18 | Multi-node broadcasting in all-ported 3-D wormhole-routed torus using an aggregation-then-distribution strategy. Journal of Systems Architecture, 2004, 50, 575-589. | 2.5 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Network mobility protocol for vehicular ad hoc networks. International Journal of Communication Systems, 2014, 27, 3042-3063. | 1.6 | 30 |
| 20 | A Dynamic BBUâ€“RRH Mapping Scheme Using Borrow-and-Lend Approach in Cloud Radio Access Networks. IEEE Systems Journal, 2018, 12, 1632-1643. | 2.9 | 29 |
| 21 | Expression of Toll-like receptors in cultured nasal epithelial cells. Acta Oto-Laryngologica, 2007, 127, 395-402. | 0.3 | 28 |
| 22 | A mobicast routing protocol with carryâ€andâ€forward in vehicular ad hoc networks. International Journal of Communication Systems, 2014, 27, 1416-1440. | 1.6 | 28 |
| 23 | A Mobicast Routing Protocol in Vehicular Ad-Hoc Networks. , 2009, , . | | 24 |
| 24 | An IP passing protocol for vehicular ad hoc networks with network fragmentation. Computers and Mathematics With Applications, 2012, 63, 407-426. | 1.4 | 21 |
| 25 | VE-mobicast: a variant-egg-based mobicast routing protocol for sensornets. Wireless Networks, 2008, 14, 199-218. | 2.0 | 19 |
| 26 | A Mobility Management Using Follow-Me Cloud-Cloudlet in Fog-Computing-Based RANs for Smart Cities. Sensors, 2018, 18, 489. | 2.1 | 19 |
| 27 | Congestion-free, dilation-2 embedding of complete binary trees into star graphs. Networks, 1999, 33, 221-231. | 1.6 | 17 |
| 28 | A cross-layer partner-based fast handoff mechanism for IEEE 802.11 wireless networks. International Journal of Communication Systems, 2009, 22, 1515-1541. | 1.6 | 15 |
| 29 | Congestion-free embedding of 2(nâˆ’k) spanning trees in an arrangement graph. Journal of Systems Architecture, 2001, 47, 73-86. | 2.5 | 14 |
| 30 | Mobile IPv6-based ad hoc networks: its development and application. IEEE Journal on Selected Areas in Communications, 2005, 23, 2161-2171. | 9.7 | 14 |
| 31 | HVE-mobicast: a hierarchical-variant-egg-based mobicast routing protocol for wireless sensornets. Telecommunication Systems, 2009, 41, 121-140. | 1.6 | 14 |
| 32 | A Secure Relay-Assisted Handover Protocol for Proxy Mobile IPv6 in 3GPP LTE Systems. Wireless Personal Communications, 2011, 61, 629-656. | 1.8 | 14 |
| 33 | DeuceScan: Deuce-Based Fast Handoff Scheme in IEEE 802.11 Wireless Networks. , 2006, , . | | 13 |
| 34 | SmSCTP: SIP-Based MSCTP Scheme for Session Mobility over WLAN/3G Heterogeneous Networks. , 2007, , . | | 13 |
| 35 | A few-shot transfer learning approach using text-label embedding with legal attributes for law article prediction. Applied Intelligence, 2022, 52, 2884-2902. | 3.3 | 13 |
| 36 | Cross-Layer Partner-Based Fast Handoff Mechanism for IEEE 802.11 Wireless Networks. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , . | 0.0 | 11 |

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| 37 | A hexagonal-tree TDMA-based QoS multicasting protocol for wireless mobile ad hoc networks. Telecommunication Systems, 2007, 35, 1-20. | 1.6 | 11 |
| 38 | A mobicast routing protocol in underwater sensor networks. , 2011, , . | | 11 |
| 39 | A cross-layer partner-assisted handoff scheme for hierarchical mobile IPv6 in IEEE 802.16e systems. Wireless Communications and Mobile Computing, 2011, 11, 522-541. | 0.8 | 11 |
| 40 | An Entire-and-Partial Feature Transfer Learning Approach for Detecting the Frequency of Pest Occurrence. IEEE Access, 2020, 8, 92490-92502. | 2.6 | 11 |
| 41 | Fault-tolerant sorting algorithm on hypercube multicomputers. Journal of Parallel and Distributed Computing, 1992, 16, 185-197. | 2.7 | 10 |
| 42 | SOM: spiral-fat-tree-based on-demand multicast protocol in a wireless ad-hoc network. Computer Communications, 2002, 25, 1684-1695. | 3.1 | 10 |
| 43 | A Cross-Layer Partner-Assisted Handoff Scheme for Hierarchical Mobile IPv6 in IEEE 802.16e Systems. , 2008, , . | | 9 |
| 44 | A green handover protocol in two-tier OFDMA macrocellâ€“femtocell networks. Mathematical and Computer Modelling, 2013, 57, 2814-2831. | 2.0 | 9 |
| 45 | Multi-node broadcasting in an arrangement graph using multiple spanning trees. , 0, , . | | 8 |
| 46 | HVE-mobicast: a hierarchical-variant-egg-based mobicast routing protocol for wireless sensornets. , 2006, , . | | 8 |
| 47 | Code placement and replacement schemes for WCDMA Rotated-OVSF code tree management. IEEE Transactions on Mobile Computing, 2006, 5, 224-239. | 3.9 | 8 |
| 48 | A time-slot leasing-based QoS routing protocol over Bluetooth WPANs. International Journal of Ad Hoc and Ubiquitous Computing, 2007, 2, 92. | 0.3 | 8 |
| 49 | A shoelace-based QoS routing protocol for mobile ad Hoc networks using directional antenna. , 2007, , . | | 8 |
| 50 | Next generation mobility management. Wireless Communications and Mobile Computing, 2011, 11, 443-445. | 0.8 | 8 |
| 51 | Next Generation Networks (NGNs). International Journal of Communication Systems, 2010, 23, 691-693. | 1.6 | 7 |
| 52 | An energy-aware data offloading scheme in cloud radio access networks. , 2015, , . | | 7 |
| 53 | An Adaptive Wi-Fi Indoor Localization Scheme using Deep Learning. , 2018, , . | | 7 |
| 54 | A Semi-Supervised 3D Indoor Localization Using Multi-Kernel Learning for WiFi Networks. Sensors, 2022, 22, 776. | 2.1 | 7 |

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| 55 | RAA: a ring-based address autoconfiguration protocol in mobile ad hoc networks. Wireless Personal Communications, 2007, 43, 549-571. | 1.8 | 6 |
| 56 | An efficient dynamic adjusting MAC protocol for multichannel cognitive wireless networks. , 2010, , . | | 6 |
| 57 | Linear Regression-Based Delay-Bounded Routing Protocols for Vehicular Ad Hoc Networks. , 2010, , . | | 6 |
| 58 | Spectrum-aware routing in discontinuous orthogonal frequency division multiplexing-based cognitive radio ad hoc networks. IET Networks, 2012, 1, 20-33. | 1.1 | 6 |
| 59 | VC2-MAC: A two-cycle cooperative MAC protocol in vehicular networks. Computer Communications, 2012, 35, 861-874. | 3.1 | 6 |
| 60 | A lantern-tree-based QoS multicast protocol for wireless ad-hoc networks. , 0, , . | | 5 |
| 61 | An overlapping communication protocol using improved time-slot leasing for Bluetooth WPANs. Journal of Network and Computer Applications, 2009, 32, 273-292. | 5.8 | 5 |
| 62 | A pipe-assisted mobility management in named data networking networks. , 2014, , . | | 5 |
| 63 | A Spiderweb-Based Massive Access Management Protocol for M2M Wireless Networks. IEEE Sensors Journal, 2015, 15, 5765-5776. | 2.4 | 5 |
| 64 | A mobicast routing protocol with carry-and-forward in vehicular ad-hoc networks. , 2010, , . | | 5 |
| 65 | MESH: multi-eye spiral-hopping routing protocol in a wireless ad hoc network. , 0, , . | | 4 |
| 66 | A content-based image retrieval system for outdoor ecology learning: a firefly watching system. , 0, , . | | 4 |
| 67 | SIP-based MIP6-MANET: Design and implementation of mobile IPv6 and SIP-based mobile ad hoc networks*,â€. Computer Communications, 2006, 29, 1226-1240. | 3.1 | 4 |
| 68 | A multiple relay-based medium access control protocol in multirate wireless ad hoc networks with multiple beam antennas. International Journal of Communication Systems, 2009, 23, n/a-n/a. | 1.6 | 4 |
| 69 | Advanced and Applications in Vehicular Ad Hoc Networks. Mobile Networks and Applications, 2010, 15, 1-3. | 2.2 | 4 |
| 70 | Editorial: Green technologies for wireless communications and mobile computing. IET Communications, 2011, 5, 2595-2597. | 1.5 | 4 |
| 71 | A Semi-Supervised Transfer Learning with Grid Segmentation for Outdoor Localization over LoRaWans. Sensors, 2021, 21, 2640. | 2.1 | 4 |
| 72 | An efficient bow-based on-demand QoS routing protocol for MIMO ad hoc networks. Computer Communications, 2009, 32, 1613-1630. | 3.1 | 3 |

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| 73 | Guest Editorial: Cross-Layer Design for Future Generation Wireless Networks. Wireless Personal Communications, 2009, 51, 375-378. | 1.8 | 3 |
| 74 | A Shoelace-Based QoS Routing Protocol for Mobile Ad Hoc Networks Using Directional Antenna. Wireless Personal Communications, 2010, 54, 361-384. | 1.8 | 3 |
| 75 | Linear regression-based delay-bounded routing protocols for VANETs. Wireless Communications and Mobile Computing, 2014, 14, 186-199. | 0.8 | 3 |
| 76 | A brief overview of intelligent mobility management for future wireless mobile networks. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, . | 1.5 | 3 |
| 77 | SOM: spiral-fat-tree-based on-demand multicast protocol in a wireless ad-hoc network. , 0, , . | | 2 |
| 78 | A hierarchy-based multicast protocol for wireless mobile ad-hoc networks. , 0, , . | | 2 |
| 79 | Guest Editorial: Wireless Sensor Networks. Telecommunication Systems, 2004, 26, 125-127. | 1.6 | 2 |
| 80 | A Femtocell-Assisted Data Forwarding Protocol in Relay Enhanced LTE Networks. , 2011, , . | | 2 |
| 81 | An enhanced group mobility protocol for 6LoWPAN-based wireless body area networks. , 2013, , . | | 2 |
| 82 | A Green Time-Bounded Routing Protocol in Solar-Based Vehicular Networks. , 2013, , . | | 2 |
| 83 | Outdoor Localization for LoRaWans Using Semi-Supervised Transfer Learning with Grid Segmentation. , 2019, , . | | 2 |
| 84 | Energy Conservation for Broadcast and Multicast Routings in Wireless Ad Hoc Networks. , 2005, , . | | 2 |
| 85 | A RELIABLE SORTING ALGORITHM ON HYPERCUBE MULTICOMPUTERS. International Journal of Parallel, Emergent and Distributed Systems, 1995, 5, 165-186. | 0.4 | 1 |
| 86 | Tolerating faults in injured hypercubes using maximal fault-free subcube-ring. Parallel Computing, 1997, 23, 311-331. | 1.3 | 1 |
| 87 | Congestion-free embedding of multiple spanning trees in an arrangement graph. , 0, , . | | 1 |
| 88 | A Fast Code-Assignment Strategy for a WCDMA Rotated-OVSF Tree with Code-Locality Capability. Telecommunication Systems, 2005, 29, 199-218. | 1.6 | 1 |
| 89 | A Credit-Based On-Demand QoS Routing Protocol over Bluetooth WPANs. , 0, , . | | 1 |
| 90 | A Credit-Based On-Demand QoS Routing Protocol Over Bluetooth WPANs. Wireless Personal Communications, 2006, 38, 253-278. | 1.8 | 1 |

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| 91 | An IP Passing Protocol for Vehicular Ad Hoc Networks with Network Fragmentations. , 2011, , . | | 1 |
| 92 | A delay-bounded routing protocol for vehicular ad hoc networks with traffic lights. Wireless Communications and Mobile Computing, 2015, 15, 1577-1588. | 0.8 | 1 |
| 93 | A Green Time-Bounded Routing on Solar-Based Vehicular Ad-Hoc Networks. Intelligent Automation and Soft Computing, 2015, 21, 455-472. | 1.6 | 1 |
| 94 | Guest editorial: Secure cloud computing for mobile health services. Peer-to-Peer Networking and Applications, 2016, 9, 809-811. | 2.6 | 1 |
| 95 | A bandwidth adaptation mechanism for Cloud Radio Access Networks. Pervasive and Mobile Computing, 2017, 40, 639-659. | 2.1 | 1 |
| 96 | A Bandwidth Adaptation Scheme for Cloud Radio Access Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 234-245. | 0.2 | 1 |
| 97 | Protocols and Applications of Cross-Layer in Mobility Management. , 0, , 152-184. | | 1 |
| 98 | A generalized fault-tolerant sorting algorithm on a product network. Journal of Systems Architecture, 2005, 51, 185-205. | 2.5 | 0 |
| 99 | Intelligent Systems for Future Generation Wireless Networks. Eurasip Journal on Wireless Communications and Networking, 2008, 2008, . | 1.5 | 0 |
| 100 | Call for Papers: on â€˜Next Generation Networks(NGNs)â€™. International Journal of Communication Systems, 2009, 22, 373-374. | 1.6 | 0 |
| 101 | Algorithms, Protocols and Future Applications of Wireless Sensor Networks. Computer Journal, 2010, 53, 1551-1552. | 1.5 | 0 |
| 102 | Editorial: Special Issue on â€œAdvances in Mobile IPv6 and Network-Based Localized Mobility Managementâ€• Wireless Personal Communications, 2011, 61, 587-589. | 1.8 | 0 |
| 103 | Delay-bounded routing on hybrid-solar vehicular ad-hoc networks. , 2014, , . | | 0 |
| 104 | Ubiquitous Context-Awareness and Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 614023. | 1.3 | 0 |
| 105 | A power allocation scheme for D2D communication with enhanced throughput. , 2017, , . | | 0 |
| 106 | Multi-node broadcasting in a wormhole-routed 2-D torus using an aggregation-then-distribution strategy. , 0, , . | | 0 |
| 107 | A Semi-Supervised Transfer Learning with Dynamic Associate Domain Adaptation for Human Activity Recognition Using WiFi Signals. Sensors, 2021, 21, 8475. | 2.1 | 0 |