

# 个人基本信息



## 一、个人简介

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		2			1	863		
1	863	1						1
	25		22					
		3	2	1	7	4	1	
160	SCI/EI	120			25		7	
		1			2		14	

	61		46		15		
		3			10		
9			18				

## 二、学习和工作经历

### 教育经历

2000.08-2003.08

1994.09-1997.04

1988.09-1992.07

### 工作经历

2021.05-  
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1997.04-2021.05  
1997.10  
)

2002.10

2007.11

2021.05-

(

2004.11-2005.02

ETH

2004.11-2005.02

EPFL

2003.09-2005.12

1992.07-1994.08

### 三、科研项目

1. : -- (2023-001)
2. : (2018-2022)
3. : (2021-2023)
4. : (2015-2017)
5. : (2019-2020)
6. : ( ) (2020-2022)
7. : (2017-2019)
8. : 1 (2015-2017)

9. : (2016-2017)
10. : (2015-2017)
11. : (2014-2016)
12. : (2014-2015)
13. : (60776807) (2008-2011)
14. 863 : (20060112A1037) (2006-2010)
15. : (MHRD201205) (2012-2014)
16. : (MHRD201009) (2010-2014)
17. : (07ZCKFGX01700) (2007-2009)
18. : (RKXZY0814) (2008-2012)
19. : (2012-2013)
20. : -- (CNITSEC-KY-2011-004/6) (2011-2013)
21. : - (2011-2013)
22. : (CNITSEC-KY-0910-017/3) (2009-2012)

#### 四、学术论文

1. , , . DGA [J], , .(CCFA, CCF T1)
2. Hongyu Yang, Youwei Wang, Liang Zhang, et al. A novel Android malware detection method with API semantics extraction[J]. Computers & Security, 2024, 137(2). (SCI 2 , CCF B)
3. Hongyu Yang, Jinjiao Zhang, Liang Zhang, et al. MRAN: Multimodal relationship-aware attention network for fake news detection[J]. Computer Standards & Interfaces, 2024, 89: 103822. (SCI 2 )

4. Hongyu Yang, Jinjiao Zhang, Ze Hu, et al. A fake news detection method based on a multimodal cooperative attention network[C]// Information and Communications Security (ICICS 2023). Singapore: Springer, 2023, Lecture Notes in Computer Science, 14252: 750-760. (CCF C).
5. Hongyu Yang, Youwei Wang, Liang Zhang, et al. EAMDM: An Evolved Android Malware Detection Method Using API Clustering[C]//22nd IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom 2023). IEEE, 2023. (CCF C)
6. Hongyu Yang, Youwei Wang, Liang Zhang, et al. An Android Malware Detection Method Using Better API Contextual Information[C]//9th International Conference on Information Security and Cryptology (Inscrypt 2023). Springer, 2023. (CCF C)
7. Yang H, Zhang T, Hu Z, et al. A DGA Domain Name Detection Method Based on Two-Stage Feature Reinforcement[C],22nd IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom 2023)., IEEE,2023. (CCF C)
8. Yang H, Zhang T, Hu Z, et al. An Improved Capsule Network for DGA Domain Detection[C], 19th International Conference on Mobility, Sensing and Networking (MSN 2023), IEEE, 2023. (CCF C).
9. Hongyu Yang, Haihang Yuan, Liang Zhang. Risk Assessment Method of IoT Host Based on Attack Graph, MOBILE NETWORKS & APPLICATIONS, 2023, DOI 10.1007/ s11036- 023-02198-4. (SCI 3 , CCF )
10. Hongyu Yan, Zelin Wang, Liang Zhang, et al. IoT botnet detection with feature reconstruction and interval optimization[J]. International Journal of Intelligent Systems, 2022, 37(12): 12009-12034. (SCI 1 , TOP , CCF )
11. Hongyu Yang, Zixin Zhang. Network security situation assessment with network attack behavior classification[J], International Journal of Intelligent Systems, 2022, 37(10): 6909-6927 (SCI 1 , TOP , CCF ).
12. Hongyu Yang, Yuhao Feng. A Pythagorean fuzzy Petri net based security assessment model for civil aviation airport security inspection information system[J], International Journal of Intelligent Systems, 2021, 36(5): 2122-2143 (SCI 1 , TOP , CCF ).
13. Yang Hongyu, Zeng Renyun. Network security situation assessment with network attack behavior classification[J], Applied Soft Computing, 2021, 102, 107096 (SCI 1 , TOP )
14. Yang Hongyu, Zhang Le. An Adaptive IoT Network Security Situation Prediction Model[J], Mobile Networks and Applications, 2022, 27(1): 371-381 (SCI 3 , CCF ).
15. Yang H Y, Yang H Y, Zhang L, et al. Source Code Vulnerability Detection Using Vulnerability Dependency Representation Graph [C]//2022 IEEE 21th International Conference on Trust, Security and Privacy in Computing and Communications(TrustCom 2022). IEEE, 2022: 457-464. (CCF , EI)
16. Xie L X, Liu S Y, Yang H Y( ), Zhang L. DRICP: Defect risk identification using sample category perception[C]// 21st IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom 2022). IEEE, 2022. (CCF , EI)
17. Yang Hongyu, Zhang Xugao, Cheng Fang. A Novel Algorithm for Improving Malicious Node

- Detection Effect in Wireless Sensor Networks[J], *Mobile Networks and Applications*, 2021, 26(4): 1564-1573 (SCI 3, CCF ).
18. Xie Lixia, Ding Ying, Yang Hongyu( ), et al. Mitigating Link-Flooding Attack through Segment Rerouting in IoT Environment with Traceroute Flow Abnormality Detection[J], *Journal of Network and Computer Applications*. 2020. 102690 (SCI 2, TOP, CC ).
  19. Yang H Y, Zhang Y P, Zhang L, Cheng X. Malware detection based on visualization of recombined API instruction sequence[J]. *Connection Science*, 2022: 2630-2651. DOI: 10.1080/09540091.2022.2139353. (SCI 4, CCF )
  20. Hongyu Yang, Renyun Zeng, Fengyan Wang, et al. A Variational Generative Network Based Network Threat Situation Assessment[C], 2020 International Conference on Information and Communications Security (ICICS 2020), 2020.8 (CCF, EI).
  21. Hongyu Yang, Zeng Renyun, Wang Fengyan, et al. An Unsupervised Learning-Based Network Threat Situation Assessment Model for Internet of Things[J], *Security and Communication Networks*, 2020, 6656066 (SCI 4, CCF ).
  22. , , . , 2023, 51 (5). (CCF T1, T1, EI)
  23. , , . [J]. , 2023, 44 (1): 103-117. (CCF T1, T1, EI).
  24. , , . APT [J]. , 2022, 43(12): 66-76. (CCF T1, T1, EI).
  25. , , . API [J]. (CCF T2 T2)
  26. , , . [J], , 2022,43(2): 89-99 (CCF T1, T1, EI).
  27. , , . [J], , 2022 7(4): 32-43 (CCF T2, T2).
  28. . [J], , 2020 47(5): 14-22 ( T1, EI).
  29. . [J], , 2020, 41(2): 196-204 (CCF T1, T1, EI).
  30. , , ( ). [J], , 2021,7(6): 21-30 (CCF T2, T2).
  31. . [J], ( ), 2020, 60(6): 474-484 (EI).
  32. Hongyu Yang, Yuguang Ning, Yue Wang. Research on RSA and Hill hybrid encryption algorithm[J], *International Journal of Computational Science and Engineering*, 2019, 20(1) (EI).
  33. . [J],

, 2019, 41(10) (CCF T2, EI).

34. Mesh [J], , 2019, 40(2) (CCF T1, T1, EI).
35. Android [J], , 2018, 39(6) (CCF T1, T1, EI).
36. Hadoop [J], , 2017, 38(9) (CCF T1, T1, EI).
37. Android [J], , 2017, 38(4) (CCF T1, T1, EI).
38. K App-DDoS [J], , 2014, 35(5) (CCF T1, T1, EI).

## 五、授权发明专利

1. Petri , ZL202010904816.2, : 2023.
2. , ZL202111086807.8, : 2023.
3. , ZL202111085974.0, : 2023.
4. , ZL202111085947.3, : 2023.
5. , ZL202010878430.9, : 2023.
6. , ZL202111086811.4, : 2023.
7. , ZL201910882155, : 2022.
8. , ZL202010895922.9, : 2022.
9. - , ZL201910875541.1, : 2022.
10. , ZL202010915110.6, : 2022.
11. , ZL201910905275.2, : 2021.
12. , ZL201811090911.2,

- : 2021.
13. , , . SDN , ZL201910910967.6, : 2021.
  14. , , . android , ZL2017108398025, : 2021.
  15. , , . , ZL201811048175.4, : 2021.
  16. , , . Android , ZL201811024430.1, : 2021.
  17. , , . , ZL201811488759.3, : 2021.
  18. , , , . CVSS , ZL201710383173X, : 2020.
  19. , , . Android , ZL201710722833.2, : 2020.
  20. , , , . Hadoop , ZL201710219329.0, 2020, : 2020.
  21. , , . RSA-Hill , ZL201710241961.5, : 2020.
  22. , , . , ZL201710702693.2, : 2020.
  23. , , , . Mesh , ZL201710247558.3, 2020.
  24. , , . B-Tree , ZL201710702675.4, : 2020.
  25. , , . , ZL201710702174.6, : 2020.

## 六、教学获奖及荣誉

### 研究生及本科生指导获奖

1. 1 (2023)
2. 2 (2019, 2021)
3. (2019)
4. (2015)
5. (10 ) 2013

- 6. CSS 2022 (2022)
- 7. CTCIS 2019 (2019)
- 8. 16 -- (2023)
- 9. 15 -- (2022)
- 10. 13 -- (2020)
- 11. (2020)
- 12. 12 -- (2019)
- 13. 8 -- (2015)

### 人才荣誉

- 1. 2 (2009 2013)
- 1. 2005 2012
- 2. 2001
- 3. 2001
- 4. 2001

### 七、科研获奖

- 1. 1 (2020)
- 2. 1 (2017)
- 3. 1  
(2012)
- 4. 1 (2011)
- 5. 1 (2009)
- 6. 1 (2008)
- 7. 4 (2007)
- 8. 4 (2007)
- 9. 2  
(2004)

### 八、学术兼职

- 2. 2020-
- 3. 2014-
- 4. (2022-)
- 5. (2019-)



6. Journal of Surveillance, Security and Safety (2019-)
7. (2006-)
8. (2006-)
9. (2012-)
10. (2016-)
11. (2008-)
12. (2019-)
13. (2008-)
14. SCI 1 /CCF IEEE Transactions on Intelligent Transportation Systems IEEE Transactions on Network and Service Management Journal of Network and Computer Applications Future Generation Computer Systems Knowledge-Based Systems Expert Systems with Applications SCI 2 /CCF Computers and Security Journal of Ambient Intelligence and Humanized Computing SCI 3 /CCF Mobile Networks and Applications Computer Standards & Interfaces Ain Shams Engineering Journal Transactions on Emerging Telecommunications Technologies Network: Computation in Neural Systems Cybernetics and Systems Journal of Network and Systems Management