

# Zheng Yan

## List of Publications by Year in descending order

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82  
papers

3,403  
citations

236612

25  
h-index

155451

55  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3703  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Learning-based line impedance estimation for partially observable distribution systems. International Journal of Electrical Power and Energy Systems, 2022, 137, 107803.   | 3.3  | 4         |
| 2  | Multistage Robust Optimization of Routing and Scheduling of Mobile Energy Storage in Coupled Transportation and Power Distribution Networks. IEEE Transactions on Transportation Electrification, 2022, 8, 2583-2594.          | 5.3  | 9         |
| 3  | Detailed Investigation on Nonstationary Behavior in a Frequency-Tunable Gyrotron. IEEE Transactions on Electron Devices, 2022, 69, 3400-3406.  | 1.6  | 4         |
| 4  | A blockchain consensus mechanism that uses Proof of Solution to optimize energy dispatch and trading. Nature Energy, 2022, 7, 495-502.   | 19.8 | 39        |
| 5  | How humans behave with emerging technologies during the COVID-19 pandemic?. Human Behavior and Emerging Technologies, 2021, 3, 5-7.  | 2.5  | 12        |
| 6  | Risk and protective factors for intuitive and rational judgment of cybersecurity risks in a large sample of K-12 students and teachers. Computers in Human Behavior, 2021, 121, 106791.  | 5.1  | 8         |
| 7  | Digital technology use during COVID-19 pandemic: A rapid review. Human Behavior and Emerging Technologies, 2021, 3, 13-24.   | 2.5  | 249       |
| 8  | Finding leading scholars in mobile phone behavior: a mixed-method analysis of an emerging interdisciplinary field. Scientometrics, 2021, 126, 9499.  | 1.6  | 0         |
| 9  | Hybrid clustering-based bad data detection of PMU measurements. Energy Conversion and Economics, 2021, 2, 235-247.   | 1.9  | 2         |
| 10 | Data-Driven Risk-Averse Two-Stage Optimal Stochastic Scheduling of Energy and Reserve With Correlated Wind Power. IEEE Transactions on Sustainable Energy, 2020, 11, 436-447.  | 5.9  | 80        |
| 11 | Distributionally Robust Co-Optimization of Power Dispatch and Do-Not-Exceed Limits. IEEE Transactions on Power Systems, 2020, 35, 887-897.   | 4.6  | 17        |
| 12 | Modeling the Operation of Small-Scale Integrated Energy Systems Based on Data-Driven Robust Optimization. IEEE Transactions on Electrical and Electronic Engineering, 2020, 15, 442-450.                                       | 0.8  | 4         |
| 13 | A basic model of human behavior with technologies. Human Behavior and Emerging Technologies, 2020, 2, 410-415.   | 2.5  | 8         |
| 14 | Unprecedented pandemic, unprecedented shift, and unprecedented opportunity. Human Behavior and Emerging Technologies, 2020, 2, 110-112.  | 2.5  | 92        |
| 15 | Warm-start piecewise linear approximation-based solution for load pickup problem in electrical distribution system. IET Smart Grid, 2020, 3, 385-393.  | 1.5  | 1         |
| 16 | Dynamic battery loss evaluation and its application for optimal online wind-storage integrated scheduling. IET Renewable Power Generation, 2020, 14, 3079-3087.  | 1.7  | 8         |
| 17 | Extreme natural and man-made events and human adaptive responses mediated by information and communication technologies' use: A systematic literature review. Technological Forecasting and Social Change, 2019, 145, 125-135. | 6.2  | 14        |
| 18 | Emerging technologies, human behavior, and human behavior and emerging technologies. Human Behavior and Emerging Technologies, 2019, 1, 4-6.   | 2.5  | 6         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | The use of mobile devices with students with disabilities: a literature review. Preventing School Failure, 2019, 63, 277-295.   | 0.4 | 24        |
| 20 | Distributed Neurodynamic Optimization for Energy Internet Management. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1624-1633.   | 5.9 | 37        |
| 21 | Markov chain-based wind power time series modelling method considering the influence of the state duration on the state transition probability. IET Renewable Power Generation, 2019, 13, 2051-2061.  | 1.7 | 5         |
| 22 | Growing From Childhood Into Adolescence. , 2019, , 152-165.   |     | 0         |
| 23 | Extended priority list and discrete heuristic search for multi-objective unit commitment. International Transactions on Electrical Energy Systems, 2018, 28, e2486.                                   | 1.2 | 5         |
| 24 | Finding the weakest links in the weakest link: How well do undergraduate students make cybersecurity judgment?. Computers in Human Behavior, 2018, 84, 375-382.                                       | 5.1 | 61        |
| 25 | Child and Adolescent Use of Mobile Phones: An Unparalleled Complex Developmental Phenomenon. Child Development, 2018, 89, 5-16.   | 1.7 | 36        |
| 26 | Long-term system load forecasting based on data-driven linear clustering method. Journal of Modern Power Systems and Clean Energy, 2018, 6, 306-316.  | 3.3 | 36        |
| 27 | Is resilience a protective factor of internet addiction?. Computers in Human Behavior, 2018, 78, 255-260.   | 5.1 | 58        |
| 28 | A Diet Diverse in Bamboo Parts is Important for Giant Panda ( <i>Ailuropoda melanoleuca</i> ) Metabolism and Health. Scientific Reports, 2017, 7, 3377.   | 1.6 | 29        |
| 29 | Three different roles, five different aspects: Differences and similarities in viewing school mobile phone policies among teachers, parents, and students. Computers and Education, 2017, 106, 13-25. | 5.1 | 25        |
| 30 | Understanding the Technical and Social Complexity of the Internet: A Cognitive Developmental Resource Perspective. , 2017, , 237-251.   |     | 2         |
| 31 | Cyber Attacks, Contributing Factors, and Tackling Strategies. International Journal of Cyber Behavior, Psychology and Learning, 2017, 7, 68-82.   | 0.6 | 5         |
| 32 | Evaluating the impact of smart grid technologies on generation expansion planning under uncertainties. International Transactions on Electrical Energy Systems, 2016, 26, 934-951.                    | 1.2 | 11        |
| 33 | Probabilistic load flow evaluation considering correlated input random variables. International Transactions on Electrical Energy Systems, 2016, 26, 555-572.   | 1.2 | 29        |
| 34 | Mobile phone addiction levels and negative emotions among Chinese young adults: The mediating role of interpersonal problems. Computers in Human Behavior, 2016, 55, 856-866.                         | 5.1 | 213       |
| 35 | Does multitasking with mobile phones affect learning? A review. Computers in Human Behavior, 2016, 54, 34-42.   | 5.1 | 192       |
| 36 | Relationships between Sleep Problems and Psychiatric Comorbidities among China's Wenchuan Earthquake Survivors Remaining in Temporary Housing Camps. Frontiers in Psychology, 2016, 7, 1552.          | 1.1 | 13        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Application of an improved BHES-BR method to the small signal stability analysis of power systems. International Transactions on Electrical Energy Systems, 2015, 25, 661-677.   | 1.2 | 1         |
| 38 | Characteristics of delivery pressure in the axial piston pump with combination of variable displacement and variable speed. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2015, 229, 599-613. | 0.7 | 17        |
| 39 | Cloud-data envelopment analysis method used for assessment of restoration building block schemes. CSEE Journal of Power and Energy Systems, 2015, 1, 43-52.  | 1.7 | 3         |
| 40 | Mobile Phone Behavior: An Emerged Discipline of Research. , 2015, , 399-409.   |     | 4         |
| 41 | A Pilot Study of Comparing Social Network Behaviors between Onlies and Others. International Journal of Cyber Behavior, Psychology and Learning, 2015, 5, 56-66.   | 0.6 | 0         |
| 42 | To ban or not to ban: Differences in mobile phone policies at elementary, middle, and high schools. Computers in Human Behavior, 2014, 38, 25-32.  | 5.1 | 34        |
| 43 | Can the Virginia Internet Safety Program Improve Fourth Graders' Internet Safety Knowledge?. International Journal of Cyber Behavior, Psychology and Learning, 2014, 4, 33-40.   | 0.6 | 1         |
| 44 | Differences in children and adolescents' ability of reporting two CVS-related visual problems. Ergonomics, 2013, 56, 1546-1557.  | 1.1 | 5         |
| 45 | Mobile Phones in Data Collection. International Journal of Cyber Behavior, Psychology and Learning, 2013, 3, 67-87.  | 0.6 | 10        |
| 46 | The Science of Cell Phone Use. International Journal of Cyber Behavior, Psychology and Learning, 2013, 3, 7-18.  | 0.6 | 12        |
| 47 | Discriminability effect on Garner interference: evidence from recognition of facial identity and expression. Frontiers in Psychology, 2013, 4, 943.  | 1.1 | 16        |
| 48 | The Science of Cyber Behavior. International Journal of Cyber Behavior, Psychology and Learning, 2013, 3, 82-87.   | 0.6 | 1         |
| 49 | New Evidence of Impacts of Cell Phone Use on Driving Performance. International Journal of Cyber Behavior, Psychology and Learning, 2013, 3, 46-61.  | 0.6 | 2         |
| 50 | Self-Report Versus Web-Log. International Journal of Cyber Behavior, Psychology and Learning, 2013, 3, 44-54.  | 0.6 | 6         |
| 51 | Growing From Childhood into Adolescence. , 2013, , 1-14.   |     | 0         |
| 52 | Measuring Motivation and Volition of Nursing Students in Nontraditional Learning Environments. Journal of Nursing Measurement, 2012, 20, 90-112.   | 0.2 | 7         |
| 53 | Structure and function of maladaptive cognitions in Pathological Internet Use among Chinese adolescents. Computers in Human Behavior, 2012, 28, 2376-2386.   | 5.1 | 57        |
| 54 | Mental health, duration of unemployment, and coping strategy: a cross-sectional study of unemployed migrant workers in eastern china during the economic crisis. BMC Public Health, 2012, 12, 597.   | 1.2 | 56        |

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|----|---|-----|-----------|
| 55 | An Examination of the Reciprocal Relationship of Loneliness and Facebook Use among First-Year College Students. <i>Journal of Educational Computing Research</i> , 2012, 46, 105-117.   | 3.6 | 108       |
| 56 | Online Decision-Making in Receiving Spam Emails Among College Students. <i>International Journal of Cyber Behavior, Psychology and Learning</i> , 2012, 2, 1-12.  | 0.6 | 16        |
| 57 | Wind speed forecasting using autoregressive moving average/generalized autoregressive conditional heteroscedasticity model. <i>European Transactions on Electrical Power</i> , 2012, 22, 662-673.   | 1.0 | 15        |
| 58 | A generation dispatch model internalizing external costs of power plants. <i>European Transactions on Electrical Power</i> , 2012, 22, 1027-1036.   | 1.0 | 1         |
| 59 | Prevalence and Correlates of Internet Addiction in Undergraduate Students. <i>International Journal of Cyber Behavior, Psychology and Learning</i> , 2012, 2, 16-34.  | 0.6 | 6         |
| 60 | Cell Phone Use Leads to Brain Tumors. <i>International Journal of Cyber Behavior, Psychology and Learning</i> , 2012, 2, 30-38.   | 0.6 | 2         |
| 61 | Internet vs. Matter. <i>International Journal of Cyber Behavior, Psychology and Learning</i> , 2012, 2, 60-72.  | 0.6 | 0         |
| 62 | A Novel Improved Particle Swarm Optimization Approach for Dynamic Economic Dispatch Incorporating Wind Power. <i>Electric Power Components and Systems</i> , 2011, 39, 461-477.   | 1.0 | 17        |
| 63 | A cross-cultural study of learning behaviours in the classroom: from a thinking style perspective. <i>Educational Psychology</i> , 2011, 31, 825-841.   | 1.2 | 19        |
| 64 | Growing From Childhood into Adolescence. <i>International Journal of Cyber Behavior, Psychology and Learning</i> , 2011, 1, 1-12.   | 0.6 | 2         |
| 65 | Factors affecting response rates of the web survey: A systematic review. <i>Computers in Human Behavior</i> , 2010, 26, 132-139.  | 5.1 | 955       |
| 66 | Initial knowledge of medical professionalism among Chinese medical students. <i>Medical Teacher</i> , 2010, 32, 961-970.  | 1.0 | 11        |
| 67 | One Law with Two Outcomes: Comparing the Implementation of CIPA in Public Libraries and Schools. <i>Information Technology and Libraries</i> , 2009, 28, 6-14.  | 0.5 | 16        |
| 68 | Differences in high school and college students' basic knowledge and perceived education of Internet safety: Do high school students really benefit from the Children's Internet Protection Act?. <i>Journal of Applied Developmental Psychology</i> , 2009, 30, 209-217. | 0.8 | 17        |
| 69 | Limited knowledge and limited resources: Children's and adolescents' understanding of the Internet. <i>Journal of Applied Developmental Psychology</i> , 2009, 30, 103-115.   | 0.8 | 41        |
| 70 | Useful resources, important messages: The explosion of parenting books on adolescents and social networking sites. <i>Journal of Applied Developmental Psychology</i> , 2008, 29, 472-474.  | 0.8 | 2         |
| 71 | Cracking the walnut: Using a computer game to impact cognition, emotion, and behavior of highly aggressive fifth grade students. <i>Computers in Human Behavior</i> , 2008, 24, 421-438.  | 5.1 | 24        |
| 72 | Computer Vision Syndrome: A widely spreading but largely unknown epidemic among computer users. <i>Computers in Human Behavior</i> , 2008, 24, 2026-2042.   | 5.1 | 131       |

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|----|--|-----|-----------|
| 73 | Children, adolescents, and the Internet: A new field of inquiry in developmental psychology.. Developmental Psychology, 2006, 42, 391-394.   | 1.2 | 168       |
| 74 | What influences children's and adolescents' understanding of the complexity of the Internet?. Developmental Psychology, 2006, 42, 418-428.   | 1.2 | 65        |
| 75 | Different experiences, different effects: a longitudinal study of learning a computer program in a network environment. Computers in Human Behavior, 2006, 22, 364-380.                              | 5.1 | 11        |
| 76 | Age differences in children's understanding of the complexity of the Internet. Journal of Applied Developmental Psychology, 2005, 26, 385-396.   | 0.8 | 63        |
| 77 | Software Piracy among College Students: A Comprehensive Review of Contributing Factors, Underlying Processes, and Tackling Strategies. Journal of Educational Computing Research, 2005, 33, 115-140. | 3.6 | 31        |
| 78 | How children and adults learn to use computers: A developmental approach. New Directions for Child and Adolescent Development, 2004, 2004, 41-61.  | 1.3 | 9         |
| 79 | The Psychology of E-Learning: A Field of Study. Journal of Educational Computing Research, 2003, 29, 285-296.  | 3.6 | 14        |
| 80 | Always Under Construction. Human Development, 2002, 45, 141-160.   | 1.2 | 69        |
| 81 | The origins of children's understanding of technologies: A focused rapid review of three approaches. Human Behavior and Emerging Technologies, 0, , .  | 2.5 | 3         |
| 82 | Validity and reliability of Cybersecurity Judgment Questionnaire for middle and high school students: A validation study with Rasch analysis. Human Behavior and Emerging Technologies, 0, , .       | 2.5 | 0         |