# Xiaoyu Yan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8696406/publications.pdf

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|---|---|---|---|
| 62 papers | 2,698 citations | 236925 25 h-index | 182427 51 g-index |
| 64 all docs | 64 docs citations | 64 times ranked | 3080 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A novel modelling toolkit for unpacking the Water-Energy-Food-Environment (WEFE) nexus of agricultural development. Renewable and Sustainable Energy Reviews, 2022, 159, 112182. | 16.4 | 14 |
| 2 | Comprehensive analysis of electrical-optical performance and application potential for 3D concentrating photovoltaic window. Renewable Energy, 2022, 189, 369-382. | 8.9 | 9 |
| 3 | Environmental performance of a hybrid rainwater harvesting and greywater reuse system: A case study on a high water consumption household in Colombia. Journal of Cleaner Production, 2022, 345, 131125. | 9.3 | 15 |
| 4 | Going beyond waste reduction: Exploring tools and methods for circular economy adoption in small-medium enterprises. Resources, Conservation and Recycling, 2022, 182, 106345. | 10.8 | 16 |
| 5 | Combined carbon and health taxes outperform single-purpose information or fiscal measures in designing sustainable food policies. Nature Food, 2022, 3, 331-340. | 14.0 | 9 |
| 6 | Preparation and control mechanism of nano-phase change emulsion with high thermal conductivity and low supercooling for thermal energy storage. Energy Reports, 2022, 8, 8301-8311. | 5.1 | 8 |
| 7 | Energy-food nexus in the marine environment: A macroeconomic analysis on offshore wind energy and seafood production in Scotland. Energy Policy, 2021, 149, 112027. | 8.8 | 15 |
| 8 | Sustainable energy planning for remote islands and the waste legacy from renewable energy infrastructure deployment. Journal of Cleaner Production, 2021, 307, 127198. | 9.3 | 11 |
| 9 | Driving Factors for the Spatiotemporal Heterogeneity in Technical Efficiency of Chinaâ€™s New Energy Industry. Energies, 2021, 14, 4151. | 3.1 | 5 |
| 10 | Switch on-switch off small-scale mining: Environmental performance in a life cycle perspective. Journal of Cleaner Production, 2021, 312, 127647. | 9.3 | 10 |
| 11 | Towards sustainable extraction of technology materials through integrated approaches. Nature Reviews Earth & Environment, 2021, 2, 665-679. | 29.7 | 46 |
| 12 | Renewable energy can make small-scale mining in Europe more feasible. Resources, Conservation and Recycling, 2021, 172, 105674. | 10.8 | 10 |
| 13 | Investigations of double layer phase change walls with expanded graphite on the temperature and energy consumption. Energy Reports, 2021, 7, 9023-9034. | 5.1 | 5 |
| 14 | Dietary shifts can reduce premature deaths related to particulate matter pollution in China. Nature Food, 2021, 2, 997-1004. | 14.0 | 19 |
| 15 | Fabrication of a novel nano phase change material emulsion with low supercooling and enhanced thermal conductivity. Renewable Energy, 2020, 151, 542-550. | 8.9 | 45 |
| 16 | Detecting and Understanding Synergies and Co-Benefits of Low Carbon Development in the Electric Power Industry in China. Sustainability, 2020, 12, 297. | 3.2 | 8 |
| 17 | Agave: A promising feedstock for biofuels in the water-energy-food-environment (WEFE) nexus. Journal of Cleaner Production, 2020, 261, 121283. | 9.3 | 26 |
| 18 | Daily Global Solar Radiation in China Estimated From Highâ€Density Meteorological Observations: A Random Forest Model Framework. Earth and Space Science, 2020, 7, e2019EA001058. | 2.6 | 32 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | Life cycle greenhouse gas emissions of multi-pathways natural gas vehicles in china considering methane leakage. Applied Energy, 2019, 253, 113472. | 10.1 | 44 |
| 20 | Mineral processing simulation based-environmental life cycle assessment for rare earth project development: A case study on the Songwe Hill project. Journal of Environmental Management, 2019, 249, 109353. | 7.8 | 20 |
| 21 | Infrastructure-Integrated Photovoltaic (IIPV): a boost to solar energyâ€™s green credentials?. Energy Procedia, 2019, 158, 3314-3318. | 1.8 | 5 |
| 22 | Liquid biofuels: not a long-term transport solution. Energy Procedia, 2019, 158, 3265-3270. | 1.8 | 8 |
| 23 | Common characteristics of feedstock stage in life cycle assessments of agricultural residue-based biofuels. Fuel, 2019, 253, 1256-1263. | 6.4 | 24 |
| 24 | Temporally explicit life cycle assessment as an environmental performance decision making tool in rare earth project development. Minerals Engineering, 2019, 135, 64-73. | 4.3 | 22 |
| 25 | Challenges and research needs in life cycle analysis of building-integrated photovoltaic. IOP Conference Series: Materials Science and Engineering, 2019, 556, 012053. | 0.6 | 0 |
| 26 | Applying and advancing the economic resource scarcity potential (ESP) method for rare earth elements. Resources Policy, 2019, 62, 472-481. | 9.6 | 26 |
| 27 | Scaling the nexus: Towards integrated frameworks for analysing water, energy and food. Geographical Journal, 2019, 185, 419-431. | 3.1 | 55 |
| 28 | Food-energy-water nexus: A life cycle analysis on virtual water and embodied energy in food consumption in the Tamar catchment, UK. Resources, Conservation and Recycling, 2018, 133, 320-330. | 10.8 | 97 |
| 29 | Development and application of a life cycle greenhouse gas emission analysis model for mobile air conditioning systems. Applied Energy, 2018, 221, 161-179. | 10.1 | 10 |
| 30 | Development and application of China provincial road transport energy demand and GHG emissions analysis model. Applied Energy, 2018, 222, 313-328. | 10.1 | 136 |
| 31 | Development and application of an electric vehicles life-cycle energy consumption and greenhouse gas emissions analysis model. Chemical Engineering Research and Design, 2018, 131, 699-708. | 5.6 | 64 |
| 32 | Experience of producing natural gas from corn straw in China. Resources, Conservation and Recycling, 2018, 135, 216-224. | 10.8 | 51 |
| 33 | Performance assessment and life cycle analysis of potable water production from harvested rainwater by a decentralized system. Journal of Cleaner Production, 2018, 172, 2167-2173. | 9.3 | 36 |
| 34 | Effects of fuel properties on combustion and emissions of a direct injection diesel engine fueled with n-butanol-diesel blends. Journal of Renewable and Sustainable Energy, 2017, 9, 013105. | 2.0 | 3 |
| 35 | Life cycle environmental impacts of cornstalk briquette fuel in China. Applied Energy, 2017, 192, 83-94. | 10.1 | 52 |
| 36 | Comparison of the Physical and Chemical Properties, Performance, and Emissions of Ethyl Levulinateâ€“Biodieselâ€“Diesel and n-Butanolâ€“Biodieselâ€“Diesel Blends. Energy & Fuels, 2017, 31, 5055-5062. | 5.1 | 16 |

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|---|---|---|---|
| 37 | Response to â€˜Assessing the energy requirements and global warming potential of the production of rare earth elementsâ€™. Journal of Cleaner Production, 2017, 162, 791-794. | 9.3 | 6 |
| 38 | Introducing a localised spatio-temporal LCI method with wheat production as exploratory case study. Journal of Cleaner Production, 2017, 140, 492-501. | 9.3 | 25 |
| 39 | Introduction of a spatiotemporal Life Cycle Inventory method using a wind energy example. Energy Procedia, 2017, 142, 3035-3040. | 1.8 | 8 |
| 40 | Electric Vehicle Market Penetration and Impacts on Energy Consumption and CO2 Emission in the Future: Beijing Case. Energies, 2017, 10, 228. | 3.1 | 50 |
| 41 | Life cycle assessment of energy consumption and environmental emissions for cornstalk-based ethyl levulinate. Applied Energy, 2016, 183, 170-181. | 10.1 | 22 |
| 42 | Optimal policy design for photovoltaic power industry with positive externality in China. Resources, Conservation and Recycling, 2016, 115, 22-30. | 10.8 | 7 |
| 43 | Performance and emission characteristics of a diesel engine running on optimized ethyl levulinateâ€“biodieselâ€“diesel blends. Energy, 2016, 95, 29-40. | 8.8 | 48 |
| 44 | Economic, environmental and social assessment of briquette fuel from agricultural residues in China â€“ A study on flat die briquetting using corn stalk. Energy, 2014, 64, 557-566. | 8.8 | 85 |
| 45 | Response to Comment on â€œEffects of Ethanol on Vehicle Energy Efficiency and Implications on Ethanol Life-Cycle Greenhouse Gas Analysisâ€• Environmental Science & Technology, 2014, 48, 9953-9954. | 10.0 | 0 |
| 46 | Effects of Ethanol on Vehicle Energy Efficiency and Implications on Ethanol Life-Cycle Greenhouse Gas Analysis. Environmental Science & Technology, 2013, 47, 5535-5544. | 10.0 | 41 |
| 47 | Life-Cycle Energy Use and Greenhouse Gas Emissions Analysis for Bio-Liquid Jet Fuel from Open Pond-Based Micro-Algae under China Conditions. Energies, 2013, 6, 4897-4923. | 3.1 | 25 |
| 48 | Quantifying the uncertainties in life cycle greenhouse gas emissions for UK wheat ethanol. Environmental Research Letters, 2013, 8, 015024. | 5.2 | 18 |
| 49 | Bioethanol and Biodiesel as Alternative Transportation Fuels in China: Current Status, Future Potentials, and Life Cycle Analysis. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2012, 34, 1067-1075. | 2.3 | 6 |
| 50 | A comparison of biomass gasification and pyrolysis in three kinds of reactors using corn stalk pellets. Journal of Renewable and Sustainable Energy, 2012, 4, 033119. | 2.0 | 6 |
| 51 | Life-cycle analysis on energy consumption and GHG emission intensities of alternative vehicle fuels in China. Applied Energy, 2012, 90, 218-224. | 10.1 | 155 |
| 52 | Life cycle energy and greenhouse gas analysis for algae-derived biodiesel. Energy and Environmental Science, 2011, 4, 3773. | 30.8 | 141 |
| 53 | Life cycle energy and greenhouse gas analysis for agave-derived bioethanol. Energy and Environmental Science, 2011, 4, 3110. | 30.8 | 81 |
| 54 | Life-cycle energy consumption and greenhouse gas emissions for electricity generation and supply in China. Applied Energy, 2011, 88, 289-297. | 10.1 | 225 |

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|---|---|---|---|
| 55 | Using coal for transportation in China: Life cycle GHG of coal-based fuel and electric vehicle, and policy implications. International Journal of Greenhouse Gas Control, 2010, 4, 878-887. | 4.6 | 84 |
| 56 | Energy demand and emissions from road transportation vehicles in China. Progress in Energy and Combustion Science, 2010, 36, 651-676. | 31.2 | 164 |
| 57 | Biofuels and synthetic fuels in the US and China: A review of Well-to-Wheel energy use and greenhouse gas emissions with the impact of land-use change. Energy and Environmental Science, 2010, 3, 190-197. | 30.8 | 72 |
| 58 | Energy demand and greenhouse gas emissions during the production of a passenger car in China. Energy Conversion and Management, 2009, 50, 2964-2966. | 9.2 | 19 |
| 59 | Reduction potentials of energy demand and GHG emissions in China's road transport sector. Energy Policy, 2009, 37, 658-668. | 8.8 | 229 |
| 60 | Life cycle analysis of energy use and greenhouse gas emissions for road transportation fuels in China. Renewable and Sustainable Energy Reviews, 2009, 13, 2505-2514. | 16.4 | 65 |
| 61 | Life cycle energy, environment and economic assessment of soybean-based biodiesel as an alternative automotive fuel in China. Energy, 2008, 33, 1654-1658. | 8.8 | 122 |
| 62 | Study on energy use in China. Journal of the Energy Institute, 2007, 80, 110-115. | 5.3 | 21 |